CITY OF STOCKTON

DEPARTMENT OF MUNICIPAL UTILITIES
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February 27, 2014 VIA EMAIL (centralvalleysacramento@waterboards.ca.gov)

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NPDES Delta Unit
Central Valley Regional Water Quality Control Board
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PRETREATMENT PROGRAM ANNUAL REPORT – 2014

Enclosed is the City of Stockton's Pretreatment Program Annual Report for 2014. This report indicates the City of Stockton's compliance with NPDES Waste Discharge Permit Pretreatment Program requirements during calendar year 2014.

If you have any questions regarding this report, please contact Richard K. Stiffler, Technical Services Supervisor, at (209) 937-8740.

C. MEL LYTLE, Ph.D.
DIRECTOR OF MUNICIPAL UTILITIES

CML:RS:mll

Enclosure: Pretreatment Program Annual Report - 2014

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Stockton
All-America City
2004
1999

CITY OF STOCKTON
PRETREATMENT PROGRAM ANNUAL REPORT

COVER SHEET

NPDES Permit Holder: **CITY OF STOCKTON**
REGIONAL WASTEWATER CONTROL FACILITY

NPDES Permit Number: **CA0079138**

Period Covered by this Report: **Calendar Year 2014**

Person to contact concerning information contained in this report:

NAME:	**Richard K. Stiffler**
TITLE:	**Technical Services Supervisor**
ADDRESS:	**2500 Navy Drive, Stockton, CA 95206**
TELEPHONE:	**(209) 937-8740**

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

C. MEL LYTLE, Ph.D.
DIRECTOR OF MUNICIPAL UTILITIES

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CITY OF STOCKTON

MUNICIPAL UTILITIES DEPARTMENT

2014

PRETREATMENT PROGRAM ANNUAL REPORT

FEBRUARY 28, 2015

CITY OF STOCKTON
Municipal Utilities Department

2014
PRETREATMENT PROGRAM ANNUAL REPORT

PROGRAM DESCRIPTION

CITY OF STOCKTON
Municipal Utilities Department

2014
PRETREATMENT PROGRAM ANNUAL REPORT

The City of Stockton's Regional Wastewater Control Facility (RWCF) provides tertiary level wastewater treatment to the greater Stockton metropolitan area. Primary and secondary treatment is accomplished at the main plant on the east side of the San Joaquin River. After secondary treatment, the wastewater is pumped across the river to 450 acres of ponds and then to 140 acres of wetlands which serve as supplemental secondary treatment. The wastewater then receives additional treatment at the tertiary treatment facility, prior to discharge to the San Joaquin River.

The City of Stockton has an approved Industrial Pretreatment Program which provides active monitoring of all Significant Industrial Users in the RWCF service area.

The following sections of this report document specific elements of the City's Pretreatment Program and summarize monitoring and enforcement activities for calendar year 2014:

1. LEGAL AUTHORITY

The City has established legal authority to implement the Pretreatment Program as required in 40 CFR 403.8(f)(1).

Attachment A: Stockton Municipal Code, Chapter 13.08: *Wastewater Discharges and Treatment Works.*
Stockton Municipal Code, Chapter 13.12: *Wastewater User Charges and Fees.*

Attachment B: Enforcement Response Plan

Attachment C: Schedule of Wastewater Fees

2. PRETREATMENT PROGRAM FUNDING

The City has provided Pretreatment Program funding and personnel as required in 40 CFR 403.8(f)(3).

Attachment D: 2014 Pretreatment Program Funding

3. SIGNIFICANT CHANGES TO PRETREATMENT PROGRAM

There were no significant changes to the City's Pretreatment Program during calendar year 2014.

4. BASELINE MONITORING REPORTS

All Significant Industrial Users are required to complete the City of Stockton's Wastewater Discharge Permit Application. EPA Region IX has indicated this Wastewater Discharge Permit Application may be used in lieu of a separate Baseline Monitoring Report.

Attachment E: Wastewater Discharge Permit Application

5. SIGNIFICANT INDUSTRIAL USERS AND NONCOMPLIANCE ACTIVITIES

The City has identified all Significant Industrial Users, as defined in 40 CFR 403.4. All Significant Industrial Users have been issued a Wastewater Discharge Permit and have satisfied Baseline Monitoring Reporting requirements.

The City had a total of 48 permitted Significant Industrial Users at the end of calendar year 2014.

2014 Significant Industrial User additions:

Boretec Resource Recovery Engineering, LLC, 1820 Industrial Dr. – permit issued October 1, 2014 (new business)

2014 Significant Industrial User deletions:

Angelica Corporation, 1145 S. Sierra Nevada St. - permit terminated in February 2014 (business closed)

Ingredion Inc. (formerly Air Products, Inc.), 1010 Zephyr St., - permit terminated in April 2014 (business closed)

Metalsa S.A. DE C.V., 1550 Industrial Dr. - permit terminated in October 2014 (business closed)

Sodexo Laundry Stockton, 7679 S. Longe St. - permit terminated in September 2014 (business closed)

2014 Significant Industrial User name changes:

Advanced Refreshment, 811 Zephyr St. to Niagara Bottling, LLC on May 1, 2014. (business sold)

B.J.J. Company, LLC, 2431 E. Mariposa Road to Foodliner, Inc. on July 1, 2014. (business sold)

Grimaud Farms, 1320-A S. Aurora St. to DuPont Market, Inc. dba Grimaud Farms of California on November 26, 2014.

Unilever Supply Chain, Inc., 1400 E. Waterloo Road to R&B Foods on July 1, 2014 (business sold)

2014 Significant Industrial User classification changes:

None

2014 Significant Industrial User address changes:

Stockton Sanitary Wash Rack, 2313 Navy Dr. to 1505 Navy Dr. in April 2014. (business relocated due to imminent domain order)

The City has issued enforcement actions to all Significant Industrial Users with noncompliance status during 2014.

Attachment F: 2014 Significant Industrial Users and Summary of Compliance and Enforcement Activities.

6. PUBLIC NOTIFICATION

The City will publish a list of significant violators as required in 40 CFR 403.8(f)(2).

For calendar year 2014, five industries will be published in the local newspaper as being in significant noncompliance with pretreatment requirements.

Attachment G: 2014 Public Notification

7. SAMPLING AND INSPECTIONS

The City samples and inspects all Significant Industrial Users. During each sampling event, an inspection of the wastewater pretreatment area and wastewater discharge monitoring system is performed. In addition, a comprehensive site inspection at

each facility is conducted on an annual basis.

Attachment H: 2014 Sampling and Inspections

8. PRETREATMENT COMPLIANCE INSPECTION

The City of Stockton's Industrial Pretreatment Program Compliance Inspection (PCI) was conducted on May 21 and 22, 2014 by PG Environmental, LLC on behalf of the Regional Water Quality Control Board. The PCI Report and City's response are included in this section.

Attachment I: 2014 Pretreatment Compliance Inspection Report and City's Response

8. PRIORITY POLLUTANT ANALYSIS

Priority Pollutant concentrations in the RWCF influent, effluent, and biosolids are analyzed twice per year.

Attachment J: 2014 Priority Pollutant Analysis

9. UPSET, INTERFERENCE OR PASS-THROUGH

During calendar year 2014, there were no known or suspected pretreatment related upsets, interferences, or pass-through incidents at the Regional Wastewater Control Facility.

10. NON-SIGNIFICANT INDUSTRIAL USER PRETREATMENT PROGRAMS

The City implements the following additional pretreatment programs for non-Significant Industrial Users discharging wastewater to the Regional Wastewater Control Facility:

a. Special Wastewater Discharge Permits-

Special non-Significant Industrial User Permits are issued due to specific or potential concerns, such as a growing industry that may potentially become a Significant Industrial User or due to the type of processing employed by the industrial user. During calendar year 2014, eleven Special Wastewater Discharge

Permits were maintained.

b. Groundwater Discharge Permits-

The City regulates the discharges from petroleum contaminated groundwater remediation sites. Many of these sites are contaminated due to former leaking underground fuel storage tanks. During calendar year 2014, fourteen Groundwater Discharge Permits were maintained.

c. Waste Hauler Discharge Permits-

The City regulates truck hauled wastewater for discharge at the Regional Wastewater Control Facility through a permit and manifest system which requires documentation of the source and type of hauled wastewater. During calendar year 2014, thirteen Waste Hauler Discharge Permits were maintained.

d. Fats, Oils and Grease (FOG) Control Program-

The City's Fats, Oils and Grease (FOG) Control Program involves inspecting Food Service Establishments on a minimum annual basis to ensure compliance with Stockton Municipal Code Chapter 13.40 (FOG Control Ordinance). Discharges from Food Service Establishments are potential sources for grease related sanitary sewer blockages and overflows in the sewer collection system. Food Service Establishments include restaurants, retail markets, institutions, schools, licensed health care facilities, city owned facilities, flea markets and commissaries. During calendar year 2014, more than 700 Food Service Establishments were inspected and regulated.

CITY OF STOCKTON
Municipal Utilities Department

2014
PRETREATMENT PROGRAM ANNUAL REPORT

ATTACHMENT A

Stockton Municipal Code
Chapters 13.08 and 13.12

Chapter 13.08 WASTEWATER DISCHARGES AND TREATMENT WORKS

Article I. General Provisions

13.08.010 Purpose and policy.

A. This chapter sets uniform requirements for discharges into wastewater collection and treatment system and enables the City to comply with the administrative provisions of the Clean Water Act, the water quality requirements set by the Regional Water Quality Control Board and the applicable effluent limitations, national standards of performance, toxic and pretreatment effluent standards, and any other discharge criteria which are required or authorized by State or Federal law, and to derive the maximum public benefit by regulating the quality and quantity of wastewater discharged into those systems. This chapter provides for the setting of user charges and fees for the equitable distribution of costs to all users, the issuance of permits to certain users, authorizes monitoring and enforcement activities, and requires user reporting. Revenues derived from the application of this chapter shall be used to defray the City's cost of operating and maintaining an adequate wastewater collection and treatment system and to provide sufficient funds for capital outlay, bond service costs, capital improvements and depreciation.

B. The objectives of this chapter to comply with the Clean Water Act are:

1. To prevent the introduction of pollutants into the municipal wastewater system which will interfere with the operation of the system or contaminate the resulting sludge;

2. To prevent the introduction of pollutants into the municipal wastewater system which will pass through the system, inadequately treated, into receiving waters or the atmosphere or otherwise be incompatible with the system;

3. To improve the opportunity to recycle and reclaim wastewaters and sludges from the system; and

4. To provide for equitable distribution of the cost of the municipal wastewater system.

This chapter shall apply to the "City" and to persons outside the "City" who are, by contract or agreement with the "City," users of the "City" Publicly Owned Treatment Works (POTW). Except as otherwise provided herein, the Director of the Municipal Utilities Department shall administer, implement and enforce the provisions of this chapter. (Prior code § 7-088.1)

13.08.020 Reference to plumbing ordinance.

All plumbing ordinances shall remain in full force and effect, and nothing contained herein shall be construed as to waive any requirements contained therein. (Prior code § 7-088.2)

13.08.030 Delegation of powers.

A power or duty of any City officer hereunder may be exercised by a person authorized pursuant to law by said officer. (Prior code § 7-088.3)

13.08.040 Director to enforce.

The Director or designated representative shall enforce the provisions hereof and for such purposes shall

have the powers of a peace officer. Such powers shall not limit or otherwise affect the powers or duties of any other City officials. (Prior code § 7-088.4)

13.08.050 Minimum standards.

Sewage treatment plants and facilities shall be designated so as to protect underground and surface waters from pollution and prevent the creation of a nuisance or a menace to the public peace, health or safety. (Prior code § 7-088.5)

13.08.060 Time limits.

Any time limit provided for herein may be extended by consent of the officer concerned. (Prior code § 7-088.6)

13.08.070 City nonliability.

The provisions hereof shall not be construed to relieve from or lessen the responsibility of any person of the damages to life or property in the discharge of industrial wastes nor shall the City, nor any agent thereof, be held as assuming any liability by reason of performance of duties hereunder. (Prior code § 7-088.7)

13.08.080 Definitions.

Unless the context specifically indicates otherwise, the following terms and phrases, as used in this chapter, shall have the meanings hereinafter designated:

"Act" or "the Act" means The Federal Water Pollution Control Act, and the Clean Water Act, and any amendments thereto.

"Approval authority" means the State of California Central Valley Regional Water Quality Control Board (Region 5).

"Authorized representative of industrial user" mans an authorized representative of an industrial user may be:

1. A principal executive officer of at least the level of vice-president, if the industrial user is a corporation;

2. A general partner or proprietor if the industrial user is a partnership or proprietorship, respectively; or

3. A duly authorized representative of the individual designated above if such representative is responsible for the overall operation of the facilities from which the discharge originates.

"Beneficial uses" means uses of the waters of the State that may be protected against quality degradation include, but are not necessarily limited to: domestic, municipal, agricultural and industrial supply, power generation, recreation, aesthetic enjoyment, navigation and the preservation and enhancement of fish, wildlife and other aquatic resources or reserves, and other uses, both tangible or intangible as specified by Federal or State law.

"Biochemical oxygen demand (BOD)" means the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedures, as described in the current edition of Standard Methods for the Examination of Water and Wastewater.

"Blowdown" means to discharge recirculating water for the purpose of discharging materials contained in

the water which if allowed to build up further in the water would concentrate in amounts exceeding limits considered acceptable pursuant to best engineering practices.

"Building sewer" means a sewer conveying wastewater from the premises of the user to the POTW.

"Bypass" means the intentional diversion of waste streams from any portion of a user's treatment facility.

"Categorical standards" means standards promulgated pursuant to Sections 307(b) and (c) of the Clean Water Act.

"Cesspools" means lined or partially lined underground pits into which raw sanitary sewage is discharged.

"CFR" means Code of Federal Regulations.

"City" means the City or the Stockton City Council.

"Collection system" means the combined pipes, conduits, manholes, and other structures, either above or underground, used to convey sanitary wastewater or stormwater.

"Color" means the optical density at the visual wave length of the maximum absorption, relative to distilled water with 100 percent transmittance equivalent to zero (0.0) optical density.

"Composite sample" means the sample resulting from a combination of individual wastewater samples taken at selected intervals based on increments of flow or time.

"Cooling water" means the water discharged from any uses such as air conditioning, cooling or refrigeration, or to which the only pollutant added is heat.

"Commercial or industrial sewage" means any and all liquids and/or solids contained within liquids from industrial, commercial or institutional processes except liquid borne wastes derived from the ordinary living processes and of such character as to permit satisfactory disposal, without special treatment, into the sanitary sewage system.

"Compatible pollutant" means biochemical oxygen demand, suspended solids, pH and fecal coliform bacteria, plus additional pollutants identified in the City's National Pollution Discharge Elimination System (NPDES) permit.

"Contamination" means any impairment to the quality of the waters of the State by waste to a degree which creates a hazard to the public health through degradation or through the spread of disease. Contamination shall include any equivalent effect resulting from the disposal of wastewater, whether or not waters of the State are affected.

"Control authority" means the Director of the City Municipal Utilities Department or the Director's duly appointed representative.

"Critical user" means a user who is required to obtain an Industrial Waste Permit as defined in Section 13.08.310 of this chapter.

"Direct discharge" means the discharge of treated or untreated wastewater directly to the waters of the State.

"Director" means the Director of Municipal Utilities Department of the City.

"Discharge" means any measurable quantity of wastewater released to the public sewer.

"Domestic sewage" means wastewater which does not contain industrial or commercial process wastewater and which is discharged from a residential dwelling.

"Duplex" means a premises which is designated improved or used as a residence for two (2) families and no more, living separately in separate dwelling units, and which is not designed, improved or used for any other purpose.

"Effluent" means the liquid outflow of any facility designed to treat, convey or retain wastewater.

"Environmental Protection Agency (EPA)" means the United States Environmental Protection Agency, or, where appropriate, the term may also be used as a designation for the Administrator or other duly authorized official of said Agency.

"Excursion" means an unintentional and temporary incident in which any pollutant parameters of discharged wastewater exceeds the range set forth in this chapter.

"Existing source" means any source of discharge, the construction or operation of which commenced prior to the publication of proposed categorical pretreatment standards which will be applicable to such source if the standard is thereafter promulgated in accordance with Section 307 of the Act.

"Grab sample" means a sample which is taken from a waste stream on a one-time basis with no regard to the flow in the waste stream and without consideration of time or strength.

"Grease, oil, or fats" means any material that is Freon extractable or any like material.

"Hazardous waste" means any wastes identified and or defined as "hazardous wastes," "extremely hazardous wastes," or "acutely hazardous wastes" pursuant to any provisions of the California Health and Safety Code, the Resource Conservation and Recovery Act, and any other Federal, State, or local regulation, law, or ordinance.

"Health officer" means the officer of the San Joaquin County Health District, or an authorized representative.

"Holding tank waste" means any waste from holding tanks such as vessels, chemical toilets, campers, trailers, boats, septic tanks and vacuum pump tank trucks.

"Incompatible pollutant" means any pollutant which is not a compatible pollutant as defined in this chapter.

"Indirect discharge" means the discharge of pollutants to a POTW from any nondomestic source regulated under Section 307(b), (c), or (d) of the Federal Clean Water Act, including discharges of holding tank waste to the POTW.

"Industrial connection sewer" means the sewer between the property line and the public sewer through which liquid industrial waste is discharged.

"Industrial user" means any source of indirect discharge.

"Industrial waste" means either liquid or solid waste from any industrial or commercial process or activity.

"Inspector" means the authorized inspector or representative of the Director.

"Institutional owner" means any owner, public or private, operating a public or nonprofit school, church, hospital, lodge, club, fire department, library, memorial building or other public or nonprofit activity.

"Interference" means a discharge which alone or in conjunction with a discharge or discharges from other sources, inhibits or disrupts the POTW treatment processes, its operations, or its sludge process, use or disposal; and, therefore, causes a violation or increases the magnitude or duration of a violation of the POTW's NPDES permit, or prevents sewage sludge use or disposal as required by applicable Federal, State, or local statutes, regulations, or permits, including, but not limited to, permits issued under the Solid Waste Disposal Act (SWDA), Title II more commonly referred to as the Resource Conservation and Recovery Act (RCRA), State regulations contained in any State sludge management plan prepared pursuant to Subtitle D of the SWDA, the Clean Air Act, or the Toxic Substances Control Act. A user shall be deemed to have contributed to the POTW's permit violation whenever the user:

1. Discharges a daily pollutant loading in excess of that allowed by Federal, State, or local regulations or law or the user's permit, if any, with the POTW;

2. Discharges wastewater which substantially differs in nature or constituents from the user's average discharge; or

3. Discharges when the user knows or has reason to know that its discharge, alone or in conjunction with discharges from other sources, would result in a POTW permit violation or prevent sewage sludge processing, use, or disposal as required by the above-referenced authorities as they apply to the POTW's selected method of sludge management.

"Lower explosive limit (LEL)" means the minimum concentration of a combustible gas or vapor in air which will ignite if an ignition source is present.

"Mass emission rate" means the mass of materials discharged to the sewage system during a given time interval. Unless otherwise specified under Federal, State, or local laws or regulations or in the user's permit, if any, with the POTW, the mass emission rate shall mean pound per day of a particular constituent or combination of constituents.

"Medical waste" means isolated wastes, infectious agents, human blood and blood byproducts, pathological wastes, sharps, body parts, fomites, etiologic agents, contaminated bedding, surgical wastes, potentially contaminated laboratory wastes and dialysis wastes.

"Multiple-family dwelling unit" means a premises which is designed, improved or used as a residence for three (3) or more families, living separately in separate dwelling units, and which is not designed, improved or used for any other purpose.

"National Pollution Discharge Elimination System (NPDES)" means a permit issued by the Approval Authority pursuant to the Act which allows the POTW to discharge to the waters of the State.

"National pretreatment standards," "pretreatment standards" or "standards" means any regulation containing pollutant discharge limits promulgated by EPA under Sections 307 (b) and (c) of the Clean Water Act applicable to industrial users, including the general and specific prohibitions found in 40 CFR 403.5 and limits established by the City as set forth under Sections 13.08.250 and 13.08.260 of this chapter and any additional pretreatment limitations set forth in any permit issued by the City pursuant to this chapter.

"New source" means:

1. Any building, structure, facility or installation from which there is or may be a discharge of pollutants, the construction of which commenced after the publication of proposed pretreatment standards under Section 307 (c) of the Act which will be applicable to such source if such standards are thereafter promulgated in accordance with that Section, provided that:

a. The building, structure, facility, or installation is constructed at a site at which no other source is located; or

b. The building, structure, facility, or installation totally replaces the process or production equipment that causes the discharge of pollutants at an existing source; or

c. The production or wastewater generating processes of the building, structure, facility, or installation are substantially independent of an existing source at the same site. In determining whether these are substantially independent, factors such as the extent to which the new facility is integrated with the existing plant, and the extent to which the new facility is engaged in the same general type of activity as the existing source, should be considered.

2. Construction on a site at which an existing source is located results in a modification rather than a new source if the construction does not create a new building, structure, facility, or installation meeting the criteria of paragraph (1)(b) or (c) of this definition but otherwise alters, replaces, or adds to existing process or production equipment.

3. Construction of a new source as defined under this definition has commenced if the owner or

operator has:

a. Begun, or caused to begin, as part of a continuous on-site construction program:

i. Any placement, assembly, or installation facilities or equipment, or

ii. Significant site preparation work including clearing, excavation, or removal of existing buildings, structures, or facilities which is necessary for the placement, assembly, or installation of new source facilities or equipment; or

b. Entered into a binding contractual obligation for the purchase of facilities or equipment which are intended to be used in its operation within a reasonable time. Options to purchase or contracts which can be terminated or modified without substantial loss, and contracts for feasibility, engineering, and design studies do not constitute a contractual obligation under this definition.

"Nuisance" means anything which is injurious to health or is indecent or offensive to the senses or an obstruction to the free use of property so as to interfere with the comfort or enjoyment of life or property or which affects at the same time an entire community or neighborhood or any considerable number of persons, although the extent of the annoyance or damage inflicted upon individuals may he unequal.

"Other residential" means a building or group of buildings containing individual guest rooms for one or more guests, including, but not limited to, motels, boarding houses, hotels, rooming houses, dormitories, fraternities, sororities, etc.

"Pass through" means a discharge which exits the POTW in quantities or concentrations which, alone or with discharges from other sources, causes or contributes to a violation or increases the magnitude of the violation of the POTW's NPDES permit. A user shall be deemed to have contributed to the POTW's permit violation whenever the user:

1. Discharges a daily pollutant loading in excess of that allowed by Federal, State, or local law or pursuant to the user's contract, if any, with POTW;

2. Discharges wastewater which substantially differs in nature or constituents from the user's average discharge; or

3. Discharges when such user knows or has reason to know that its discharge, alone or in conjunction with discharges from other sources, would result in a permit violation; or

4. Discharges when such user knows or has reason to know that the POTW is violating the final effluent limitations of its permit and the user's discharge, alone or in conjunction with discharge or discharges from other sources, increases the magnitude or duration of the POTW's violation.

"Permittee" means the person, firm, or organization to whom a permit has been issued in accordance with this chapter.

"Person" means any individual, partnership, firm, company, corporation, association, joint stock company, trust, estate, governmental entity or any other legal entity, or their legal representatives, agents or assigns. The masculine gender shall include the feminine, and the singular shall include the plural where indicated by the context.

"pH" means the scale of 1 to 14 which measures acidity and alkalinity; 7.0 being neutral, 0-7 being acidic, and 7-14 being basic or alkaline. Technically, it is the logarithm (base 10) of the reciprocal of the concentration of hydrogen ions expressed in grams per liter of solution.

"Plumbing fixture" means any item which contains a collection device for wastewater connected directly or indirectly to the sanitary sewage system, including, but not limited to, a toilet, urinal, shower, tub, sink, basin, lavatory, floor drain, or automatic washing machine.

"Point of discharge" means the point at which any private sewer joins the public sewer lateral.

"Pollutant" means anything which degrades the quality of the environment. For water pollution, this may

include any substance, vector, or quality (such as heat) that degrades or alters the inherent quality of the water.

"Pollution" means an alteration of the quality of the waters of the State by waste to a degree which unreasonably affects such waters for beneficial use of the facilities which serve such beneficial uses. Pollution may include contamination.

"Premises" means a parcel of real estate including any improvements thereon which is determined by the City to be used for the purpose of receiving, using, and paying for a service provided by the City.

"Pretreatment" or "treatment" means the reduction of the amount of pollutants, the elimination of pollutants, or the alteration of the nature of pollutant properties in wastewater to a less harmful state prior to or in lieu of discharging or otherwise introducing such pollutants into a POTW. The reduction or alteration can be obtained by physical, chemical, or biological processes, or process changes or other means, except as prohibited in 40 CFR.

"Pretreatment requirements" means any substantive or procedural requirement related to pretreatment, other than a national pretreatment standard imposed on an industrial user.

"Publicly owned treatment works (POTW)" means a treatment works, as defined by the Act, which is owned by the City. This definition includes any devices and systems used in the storage, treatment, recycling, and reclamation of municipal sewage or industrial wastes of a liquid nature. It also includes sewers, pipes and other conveyances only if they convey wastewater to a POTW. The term also means the municipality, as defined in the Act, which has jurisdiction over the indirect discharges to and the discharges from such a treatment works.

"Public corporation" means the City or any political subdivision of the City, County, district, the State, or the United States of America, or any department or agency thereof. The singular shall include the plural.

"Public sewer" means a sewer owned and operated by the City or other public agency tributary to a treatment works operated by the City and dedicated to public use.

"Radioactive material" means any material containing chemical elements which spontaneously change their atomic structure with the emission of atomic energy.

"Reclaimed water" means water which, as a result of treatment of waste, is suitable for direct beneficial use or a controlled use that would not otherwise occur.

"Sanitary sewer" means a main line sewer for the acceptance of any sewage or liquid waste except stormwater, surface water, groundwater, roof runoff or other unpolluted water.

"Sewage" means water or a combination of liquid or water containing human waste conducted away from residences, business buildings, and institutions which is known as domestic or sanitary, together with the liquid or water carried waste resulting from a manufacturing process employed in commercial or industrial establishments including washing, cleaning, or drain water from such processes which is known as industrial waste.

"Sewerage system" means all sewer treatment plants and all other facilities owned and operated by the City for carrying, collecting, treating, and disposing of sanitary sewage and industrial waste.

Shall or May. "Shall" is mandatory; "may" is permissive.

"Significant industrial user" means any categorical or other industrial user which:

1. Discharges 25,000 gallons or more of process wastewater per day, excluding sanitary, noncontact cooling, and boiler blowdown wastewater; or

2. Contributes a process wastewater which makes up five (5) percent or more of the dry weather average hydraulic or organic capacity of the POTW; or

3. Is designated as such by the control authority on the basis that it has a reasonable potential for adversely affecting the POTW's operation or for violating a pretreatment standard or requirement.

"Significant noncompliance" means as defined by 40 CFR 403.8(f)(2)(vii).

"Single-family dwelling unit (SFDU)" means a premises which is designed, improved, or used as a residence for one (1) family only, and which is not designed, improved, or used for any other purpose.

"Sludge" means any solid, semisolid, or liquid decant, subnate, or supersubnate produced by any manufacturing process, utility service, or pretreatment facility operation.

"Slug load" means any discharge at a flow rate or concentration which could violate the discharge standards set forth in Section 13.08.100 of this chapter or any discharge of a nonroutine episodic nature including, but not limited to, an accidental spill of a noncustomary batch disorder.

"Standard buffer" means a solution prepared with a known pH, and, when compared with the National Bureau of Standard's Reference Material, has a tolerance of plus or minus 0.02 pH at 25 degrees Celsius.

"Standard Industrial Classification (SIC)" means a standardized classification of all industrial users according to their primary processes, products or services pursuant to the current edition of the Standard Industrial Classification Manual issued by the Executive Office of the President of the United States, Office of Management and Budget.

"State" means State of California.

"Stored liquid wastes" means liquid wastes that have been collected and held in tanks or containers. Wastes of this category include but are not limited to:

1. Septic tank pumping;
2. Chemical toilet wastes;
3. Trailer, camper, housecar or other recreational vehicle wastes;
4. Cesspool pumping; and/or
5. Leach pit pumping.

"Storm drainage system" means all conduits, pumping plants, collection facilities, and other appurtenances owned and operated by the City for carrying, collecting, pumping and disposing of stormwater, surface water, groundwater, roof runoff or other unpolluted water.

"Stormwater" means water to which no pollutant has been added, either intentionally or accidentally, other than street wash, surface water, rain water runoff, or drainage, but excludes sewage, commercial and industrial waste. One (1) pass cooling water may be considered as stormwater.

"Total suspended solids (TSS)" means as defined in Section 209 of Standard Methods for the Examination of Water and Wastewater, prepared and published jointly by the American Public Health Association, American Water Works Association, and Water Pollution Control Federation, Washington, D.C.

"Total toxic organics (TTO)" means the sum of the masses of concentrations of specific toxic organic compounds in the wastewater discharge at a concentration greater than 0.01 mg/l as referenced in 40 CFR, Part 413.02.

"Toxic pollutant" means any pollutant or combination of pollutants listed as toxic in regulations promulgated by the Administrator of the Environmental Protection Agency under the provision of Clean Water Act Section 307(a) or other acts.

"Unpolluted water" means water to which no pollutant has been added, either intentionally or accidentally, which would render such water unacceptable to the agency having jurisdiction thereof for disposal to storm or natural drainages or directly to surface waters.

"User" means any person who contributes, causes, or permits the contribution of wastewater into the City's POTW.

"User charge system" means a method for assessing fees for operations and maintenance of the POTW as

set forth in 40 CFR, Part 35.

"User classification" means a classification of user based on the current edition of the SIC Manual.

"Waste" means and includes sewage and any and all other waste substances, liquid, solid, gaseous, or radioactive, associated with human habitation, or of human or animal origin, or from any producing, manufacturing, or processing operation of whatever nature, including such waste placed within containers of whatever nature prior to, and for purposes of disposal.

"Wastewater" means the liquid portion of industrial or domestic wastes from dwellings, commercial buildings, industrial facilities, and institutions, which may be present, whether treated or untreated, which is contributed into or permitted to enter the POTW.

"Wastewater constituents and characteristics" means the individual chemical, physical, bacteriological and radiological parameters, including volume and flow rate, and such other parameters that serve to define, classify or measure the contents, quality, quantity and strength of wastewater.

"Wastewater discharge permit" means as set forth in Section 13.08.310 of this chapter.

"Waters of the State" means all streams, lakes, ponds, marshes, watercourses, waterways, wells, springs, reservoirs, aquifers, irrigation systems, drainage systems and all other bodies or accumulations of water, surface or underground, natural or artificial, public or private, which are contained within, flow through, or border upon the State or any portion thereof. (Prior code § 7-088.8)

13.08.090 Abbreviations.

The following abbreviations shall have the designated meanings:

BOD	-	Biochemical oxygen demand
CFR	-	Code of Federal Regulations
COD	-	Chemical oxygen demand
EPA	-	Environmental Protection Agency
l	-	Liter
mg	-	Milligrams
mg/l	-	Milligrams per liter
NPDES	-	National Pollutant Discharge Elimination System
pH	-	Hydrogen ion concentration
POTW	-	Publicly owned treatment works
SFDU	-	Single-family dwelling unit
SIC	-	Standard industrial classification
SWDA	-	Solids Waste Disposal Act, 42 USC 6901, et seq.
TOC	-	Total organic carbon
TSS	-	Total suspended solids
TTO	-	Total toxic organics
USC	-	United States Code

(Prior code § 7-088.9)

Article II. Regulations

13.08.100 General discharge prohibition.

A. The rules and regulations set forth in this chapter shall be in addition to the Uniform Codes title (Title 15) of the Stockton Municipal Code and in no way diminish the authority set forth therein.

B. No user shall contribute or cause to be contributed directly or indirectly, any pollutant or wastewater which will interfere with the operation or performance of the POTW. These general provisions apply to all such users of the POTW whether or not the user is subject to National Categorical Pretreatment Standards or any other national, State or local pretreatment standards or requirements.

C. For the purpose of verifying compliance with this section, the Director and/or the Director's designated representative may use a single grab sample collected from any tank, treatment unit, sink, holding tank, trench, sump, process or other device which may discharge waste to the sanitary sewer. The above sample may be collected at the source of discharge prior to the dilution with any other streams.

D. A user may not contribute the following substances to any POTW:

1. Pollutants introduced into POTWs by a nondomestic source shall not pass through the POTW or interfere with the operation or performance of the POTW. These general prohibitions and the specified prohibitions in subsection (D)(2) of this section apply to all nondomestic sources introducing pollutants into a POTW whether or not the source is subject to other national pretreatment standards or any national, State, or local pretreatment requirements.

2. Any liquids, solids or gases which by reason of their nature or quantity within the waste stream are, or may be, sufficient, either alone or by interaction with other substances, to cause fire or explosion, cause the waste stream to have a closed cup flashpoint of less than 140 degrees F or 60 degrees C when tested following the procedures and methods specified in 40 CFR 261.21, or may be injurious in any other way to the POTW or to the operation of the POTW. At no time shall two (2) successive readings on an explosion hazard meter at the point of discharge into the system (or at any point in the system) be more than five (5) percent nor any single reading more than 10 percent of the lowest explosive limit (LEL) of the meter. Prohibited materials include, but are not limited to, gasoline, kerosene, naphtha, benzene, toluene, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, perchlorates, bromates, carbides, hydrides, and sulfides.

3. Solids or viscous substances which may cause obstruction to the flow in a sewer or other interference with the operation of the wastewater treatment facilities.

4. Any wastewater having a pH less than 5.0, more than 10.0, or in excess of the limitations specified in any more stringent permit or regulation or wastewater the user knows or has reason to know has any other corrosive property capable of causing damage or hazard to structures, equipment and/or personnel of the POTW. Excursions in pH greater than 10.0 but less than 12.5 may be allowed providing the duration of these excursions does not exceed:

a. A total of 60 minutes continuously for any individual excursion.

b. An aggregate of no more than seven (7) hours and 26 minutes in any calendar month.

5. Any waste defined as hazardous by any definition set forth in any Federal, State, or local regulation, statute, or ordinance, unless such waste has been delisted or decertified by the agency having authority to do so or a variance has been granted by the appropriate Federal, State, or local agency, including provisions for discharge to the City sewer, which variance must be approved by the Director.

6. Any wastewater containing toxic pollutants in sufficient quantity, either singly or by interaction with other pollutants, to injure or interfere with any wastewater treatment process, constitute a hazard to humans or animals, create a toxic effect in the receiving waters of the POTW, or to exceed the limitation set forth in a categorical pretreatment standard. A toxic pollutant shall include, but not be limited to, any pollutant identified pursuant to the Act.

7. Any noxious or malodorous liquids, gases, or solids which, either singly or by interaction with other wastes, are sufficient to create a public nuisance or hazard to life or health, or is sufficient to prevent entry into

the sewerage system for maintenance and repair.

8. Any substance which may cause the POTW's effluent or any other product of the POTW such as residues, sludges or scums, to be unsuitable for reclamation and reuse or to interfere with the reclamation process. In no case shall a substance discharged to the POTW cause the POTW to be in noncompliance with sludge use or disposal criteria, guidelines or regulations developed under the Act; any criteria, guidelines, or regulations affecting sludge use or disposal developed pursuant to the Solid Waste Disposal Act, or State criteria applicable to the sludge management method being used.

9. Any substance which will cause the POTW to violate its NPDES and/or State disposal system permit or the receiving water quality standards.

10. Any wastewater with objectionable color not removed in the treatment process.

11. Any wastewater with heat in amounts which will inhibit biological activity in the POTW resulting in interference, but in no case heat in such quantities that the temperature at the POTW exceeds 40 degrees C (104 degrees F) or exceeds 60 degrees C (140 degrees F) at the point of discharge.

12. Any pollutants, including oxygen-demanding pollutants (BOD, etc.), released at a flow rate and/or pollutant concentration which a user knows or has reason to know will cause interference to the POTW unless the user was in compliance with local limits applicable to its discharge or, if no local limits for parameters discharged exist, can demonstrate that its discharge directly prior to and during the instance of pass through or interference, did not change substantially from its prior discharges when the POTW was in compliance with its NPDES permit. In no case shall a sudden unexpected discharge have a flow rate or contain concentrations or qualities of pollutants that exceed, for any period longer than 15 minutes, more than five (5) times the average 24-hour concentration, quantities, or flow during normal operation.

13. Any wastewater containing radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by applicable State or Federal regulations.

14. Any wastewater which causes a hazard to human life or the environment or creates a public nuisance.

15. Unpolluted water, including, but not limited to, irrigation, condensing cooling water, blow down from cooling towers, or evaporative coolers shall not be discharged through direct or indirect connection to a sanitary sewer unless approved by the City.

16. Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through.

17. Any trucked or hauled pollutants, except at discharge points designated by the POTW.

E. Wastes prohibited by this section shall not be processed or stored in such a manner that they could be discharged to the POTW. All floor drains located in process or materials storage areas must discharge to the industrial user's pretreatment facility before connecting to the POTW.

F. The City may approve the temporary discharge of such water only when no reasonable alternate method of disposal is available.

G. When the Director determines that a user(s) is contributing to the POTW any of the above-enumerated substances in such amounts as to interfere with the operation of the POTW, the Director may take such action as deemed necessary to correct the interference with the POTW. (Prior code § 7-089.1)

13.08.110 Quantity of discharge.

The quantity of waste to be discharged from an industry shall be limited to the capacity of the existing public sewerage facilities to handle the flow. Arrangements for additional capacity required shall be negotiated before any such discharge is authorized. (Prior code § 7-089.2)

13.08.120 Limitations on point of discharge.

A. No person shall discharge any substance prohibited in Section 13.08.100 of this chapter or any other substance, including, but not limited to, domestic sewage in excess of 50 gallons directly into a maintenance hole or other opening in a public sewer or an approved building sewer, unless a written application for such discharge has been filed with the City, the applicable user charges and fees have been paid, and the City has, in its discretion, issued a permit or letter of acceptance authorizing such direct discharges for the purposes and for the substances specified in the permit/letter of acceptance application.

B. It is unlawful for any applicant for a permit pursuant to this section to knowingly submit an application containing false or inaccurate information. Such submission of a false or inaccurate application shall result in revocation of the permit. In addition, the City Attorney may file criminal charges against any such discharger or pursue any other remedy available pursuant to this chapter or otherwise at law. (Prior code § 7-089.3)

13.08.130 Discharges to waters of the State.

Any discharges to the waters of the State which are not indirect discharges to the POTW, shall meet all applicable State and Federal regulations governing these discharges. (Prior code § 7-089.4)

13.08.140 Excessive discharge.

No user shall increase the use of process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in the Federal Categorical Pretreatment Standards, or in any other pollutant-specific limitation developed by the City or State. (Prior code § 7-089.5)

13.08.150 Accidental and slug load discharges prevention and notification.

A. Detailed Plans.

1. Each user shall provide protection from accidental and slug load discharges of prohibited materials or other substances regulated by this chapter. Facilities to prevent accidental and slug load discharges of prohibited materials shall be provided and maintained at the owner's or user's own cost and expense. Detailed plans showing facilities and operating procedures to provide protection from any potential problems, including accidental discharges and slug loading, shall be submitted to the City for review and shall be approved by the City before construction of the facility. The plan shall outline the user's discharge practices (including nonroutine batch discharges), describe stored chemicals, and contain procedures for immediately notifying the POTW and preventing adverse impacts from any such discharges.

2. No user who commences contribution to the POTW after the effective date of the ordinance codified in this chapter shall be permitted to introduce pollutants into the system until accidental discharge procedures and slug load plans have been approved by the City. Review and approval of such plans and operating procedures shall not relieve the user from the responsibility to modify the user's facility as necessary to meet the requirements of this chapter. In the case of an accidental or slug load discharge, it is the responsibility of the user to immediately notify the POTW of the incident. Notification shall identify the location of the discharge, the type, concentration, and volume of waste, and corrective actions taken and/or anticipated.

B. Written Notice. Within five (5) days following an accidental or slug load discharge, the user shall submit to the Municipal Utilities Department a detailed written report describing the cause of the discharge and

the measures to be taken by the user to prevent similar future occurrences. Such notification shall not relieve the user of any expense, loss, damage or other liability which may be incurred as a result of damage to the POTW, fish kills, or any other damage to person or property; nor shall such notification relieve the user of any fines, civil penalties, or other liabilities which may be imposed by this chapter or other applicable law.

C. Notice to Employees. A notice shall be posted on the user's bulletin board or other prominent place advising employees who to call in the event of an accidental or slug load discharge. Employers shall insure that all employees who may cause such an accidental or slug load discharge to occur are advised of emergency notification procedures. (Prior code § 7-089.6)

13.08.160 Holding tank waste.

A user proposing to discharge holding tank waste into a sanitary sewer must secure prior written approval. Unless allowed by the City under the terms and conditions of the approval, a separate written approval must be secured for each separate discharge. Application to the City will State the specific location of the discharge, the time of day the discharge is to occur, the volume of the discharge and the wastewater constituents and characteristics of the discharge. If approval is granted for the discharge of such waste into a sanitary sewer, the user shall pay the applicable user charges and fees and shall meet such other conditions as required by the City. (Prior code § 7-089.7)

13.08.170 Wash rack waste.

No person owning or operating a private or public automobile wash rack shall permit any water or effluent therefrom to flow into any public sewer unless such wash rack is roofed over and is equipped with a sand-oil interceptor approved by the Director of Municipal Utilities or his or her representative. (Prior code § 7-089.8)

13.08.180 Draining of swimming pools.

Water from swimming pools whether public or private shall not be discharged into a storm sewer or gutter. All swimming pool water must be discharged into a sanitary sewer. (Prior code § 7-089.9)

13.08.190 Conditions of laterals and sewer connections.

All persons shall keep their sewer laterals or sewer connections in good order at their own expense and shall be liable for any damages which may result from their failure to do so. (Prior code § 7-089.10)

13.08.200 Connection to sanitary sewerage system.

There shall be a separate connection to the sanitary sewerage system for each premises served except when otherwise authorized by the Director. (Prior code § 7-089.11)

13.08.210 Encroachment permit and compliance to Plumbing Code.

Connection to the sanitary sewerage system shall be made only after securing an encroachment permit from the Department of Public Works. Permits for sanitary sewer lines constructed on private property shall be obtained in accordance with the provisions of the Plumbing Code of the City. (Prior code § 7-089.12)

13.08.220 Users outside of City boundaries.

A. All users of the POTW outside of City boundaries shall comply with the regulations set forth in this chapter, and the regulations shall apply equally to all of the users.

B. The plumbing upon the property and in all buildings that are constructed that are to be connected to the City sewerage system shall comply with the Plumbing Code of the City. The owner or lessee of such property shall make application to connect as hereinbefore provided, obtain a plumbing permit from the Community Development Department, Building Division of the City and pay the inspection fee required by said Plumbing Code. (Prior code § 7-089.13)

13.08.230 National Categorical Pretreatment Standards.

All users affected by the National Categorical Pretreatment Standards shall comply with the standards as set forth in 40 CFR Chapter 1, Subchapter N, chapters 405-471. However, with regard to those categorical standards where the POTW has adopted limits more stringent than those contained in the National Categorical Pretreatment Standards, the specific prohibitions or limits on pollutants or pollutant parameters as developed by a POTW in accordance with the general discharge prohibitions as set forth in Section 13.08.100 of this chapter shall be deemed the applicable pretreatment standards. The Director shall notify all affected users of the applicable reporting requirements. (Prior code § 7-089.14)

13.08.240 Modification of National Categorical Pretreatment Standards.

Where the City's wastewater treatment system achieves consistent removal of pollutants limited by Federal pretreatment standards, the City may apply to the approval authority for modification of specific limits in the Federal pretreatment standards. (Prior code § 7-089.15)

13.08.250 Specific pollutant limitations.

No person shall discharge wastewater containing in excess of:

6.0 mg/l arsenic

2.0 mg/l cadmium

6.0 mg/l copper

4.0 mg/l cyanide, total

2.0 mg/l lead

0.1 mg/l mercury

5.0 mg/l nickel

1.5 mg/l silver

5.0 mg/l chromium, total

7.0 mg/l zinc

200 mg/l animal/vegetable oil

100 mg/l mineral/petroleum oil

5.0-10.0 pH

150 degrees F* temperature

* (At point of discharge)

(Prior code § 7-089.16)

13.08.260 State requirements.

State requirements and limitations on discharges shall apply in any case where they are more stringent than Federal requirements and limitations or those in this chapter. (Prior code § 7-089.17)

13.08.270 City's right of revision.

The City reserves the right to establish by ordinance more stringent limitations or requirements on discharges to the wastewater disposal system if deemed necessary to comply with the objectives presented in this chapter. (Prior code § 7-089.18)

13.08.290 Discharge of petroleum contaminated groundwater.

It is unlawful for any person to discharge petroleum contaminated groundwater to the sanitary sewer collection system of the City, except as provided for hereunder, and in accordance with the following conditions and restrictions:

A. The maximum allowable concentration of total petroleum hydrocarbons in the discharge entering the sanitary sewer shall be 100 mg/l. Compliance with this provision will be enforced by periodic self-monitoring and laboratory analysis by the discharger for total petroleum hydrocarbons over the course of the discharge. Sample collection, frequency of sampling, point of discharge, volumetric or seasonal restrictions, or other discharge conditions and limitations will be as specified in the discharge permit which shall be issued by the Director of Municipal Utilities.

B. Discharges shall not exceed a concentration of 4.57 mg/l of total toxic organics (as currently listed by the Environmental Protection Agency for categorical electroplating dischargers, 40 CFR 413.02 (i)). Compliance with this provision will be enforced by grab samples obtained no less than once during the permit term. Analytical procedures will be in accordance with EPA rules in Guidelines Establishing Test Procedures for the Analysis of Pollutants: Final Rule (40 CFR Part 136) Methods 624 and 625. In addition, analysis by the permittee for benzene, toluene, xylene and ethylbenzene (BTXE) will be required at frequencies coinciding with the sampling and analysis for total petroleum hydrocarbons.

C. The discharger shall provide a recording lower explosive limit (LEL) monitor. Installation will be at a location in the discharge system prior to entry into the sanitary sewer. The monitor is to be calibrated in a manner that indicates the percentage of LEL of gasoline and shall be connected to the facility in such a way that an alarm will be triggered at 10 percent of the LEL of gasoline and the entire facility will be automatically shut down. The monitor shall be calibrated and maintained with a quality assurance program satisfactory to the Director of Municipal Utilities. If, after a period of evaluation, it is determined by the Director or a designated representative that continuous recording is no longer needed, the provision of a recorder may be deleted.

D. The Director or a designated representative shall have access to the facility shutdown switch as well as copies of keys to all locked enclosures at the site and shall be provided access to the facility for purposes of inspection.

E. The discharger shall provide flow monitoring and recording equipment and sampling taps or equipment in order to comply with these rules.

F. The discharger shall insure that all pretreatment facilities including, but not limited to, flow measuring and LEL monitors, are maintained in proper working order at all times. All measuring devices are to be calibrated for accuracy at a frequency as prescribed by the manufacturer of the monitoring device by a qualified technician approved by the Director.

G. In the event a required flow measuring device is found to be inoperative or to provide unreliable information as determined by the Director or a designated representative, maximum volumes will be used for billing purposes until such time as the equipment is restored to proper working order and approved by the Department of Municipal Utilities.

H. All costs incurred by the Municipal Utilities Department for administration and treatment of the discharge are to be paid for by the discharger according to the rates specified for the commercial category in the schedule of wastewater service fees in effect at the time of the discharge.

I. Connection fees for dischargers will be assessed annually in accordance with the rate resolution of the Stockton City Council for the commercial user category, amortized over a 30-year period.

J. Any costs incurred by the Municipal Utilities Department for sampling and analysis of the discharge in accordance with the City's pretreatment program will be paid for by the discharger.

K. All sampling procedures, schedules, and handling provisions must be satisfactory to the Director of Municipal Utilities and all analyses must be conducted by a laboratory certified by the California Department of Health Services for the specific analysis conducted. (Prior code § 7-089.20)

Article III. Administration

13.08.300 Establishing rules and regulations.

The City Manager is hereby authorized to establish any rules and regulations necessary for the enforcement of this article. He or she may delegate and appoint members of the City Administration to act on his or her behalf. (Prior code § 7-090.1)

13.08.310 Wastewater discharge permits.

A. Mandatory Permit. All users proposing to connect to or discharge into a sanitary sewer must obtain a wastewater discharge permit before connecting to or discharging into a sanitary sewer.

Any user who desires to increase or change the nature or constituents of its discharge to its existing connection must notify the control authority and apply for a change to its permit conditions 90 days prior to the effective date of the anticipated change, or at such other time as prescribed by the Director. The user shall not increase or change the flow as indicated in this subsection before receiving authorization to do so from the control authority. Failure to report and obtain prior approval for said increase or change may result in the City's terminating the existing permit, assessing administrative penalties, or the City availing itself of any other remedy authorized by this chapter.

B. Optional Permits. The Director may issue a wastewater permit to any user, upon application, in accordance with the terms of this section in the following categories:

1. A user who requires the user charges and fees to be based on an estimation of wastewater flow.

2. Any user whose wastewater strength is less than normal range for the user classification to which it is assigned because of pretreatment, process changes, or other reasons.

C. Permit Application. Users required to obtain a Wastewater Permit shall complete and file with the City an application in the form prescribed by the City. Proposed new users or existing users desiring to increase or change their existing flow (as indicated in subsection A of this section of this chapter) shall apply for a permit or change in existing permit conditions 90 days prior to the anticipated connection date or date of increase or change, or at such other time as prescribed by the Director. Failure to file an application in accordance with this section may result in a denial of the user's application, termination of existing connections or permits, the assessment of administrative penalties by the City, or the City otherwise pursuing legal, equitable, or injunctive

relief as authorized by this chapter or otherwise available under California or Federal law.

D. Permit Duration. Permits shall be issued for a specified time period, not to exceed five (5) years. A permit may be issued for a period less than five (5) years or may be stated to expire on a specific date. The user shall apply for permit reissuance a minimum of 90 days prior to the expiration of the user's existing permit. The terms and conditions of the permit may be subject to modification by the City during the term of the permit as limitations or requirements are identified or other just cause exists. The user shall be informed of any proposed changes in its permit at least 30 days prior to the effective date for the required change. Any changes or new conditions in the permit shall include a reasonable time schedule for compliance.

E. Permit Transfer. Wastewater discharge permits are issued to a specific user for a specific operation. A wastewater discharge permit shall not be reassigned, transferred, or sold to a new owner, new user, different premises, or a new or changed operation, and shall not extend to an increase in usage, discharge, or operations by an existing user without the approval of the City. Any succeeding owner or user shall apply for a wastewater discharge permit 30 days prior to change of ownership and shall also comply with the terms and conditions of the existing permit until a new permit is issued.

F. Users (including Significant Industrial Users). In addition to the provisions set forth above, regarding the duration and transferability of permits, permits issued to users shall specify, in detail, the requirements for self-monitoring, sampling, reporting, notification, and record keeping; the applicable Federal, State, and local effluent limitations; and the administrative, civil, and criminal penalties which may be pursued in cases of noncompliance. (Prior code § 7-090.2)

13.08.320 Reporting and monitoring requirements.

A. The Director shall require users to submit periodic monitoring and compliance reports. Such reports may consist of baseline monitoring reports, compliance schedule reports, reports on compliance with categorical deadlines, periodic reports from categorical users, and periodic compliance reports from significant noncategorical users, and, at a minimum, shall comply with the reporting requirements set forth in 40 CFR 403.12. In addition, users, industrial users, or significant industrial users subject to national pretreatment standards shall comply with all requirements governing those standards.

B. All reports and documentation required to be submitted pursuant to this section shall be signed by the appropriate officials and representatives of the industrial user or significant noncategorical user and shall contain a certification statement as that required by 40 CFR 403.6(a)(2)(ii) which shall attest to the integrity of the analytical data submitted. Furthermore, all such users must keep records of monitoring activities and results for a minimum of three (3) years, or longer in the case of unresolved litigation or when requested to do so by the approval authority.

C. Industrial users shall notify the POTW prior to releasing any discharge which differs from the terms of the permit in measurable amounts with regard to the volume or character of pollutants contained in the discharge, including hazardous wastes. In addition, all users shall immediately notify the POTW and the appropriate local, State, and Federal agencies of any discharge which would be considered a hazardous waste if disposed of in a different manner. Any verbal notice given to the POTW as required by this chapter shall be followed by a written report of the particulars of each such incident within 15 days after the user becomes aware or should have become aware of the discharge. In addition, all industrial users shall promptly notify the POTW in advance of any substantial change in the volume or character of pollutants in their discharge.

D. Where sampling by a user, conducted pursuant to this section, indicates a violation, the user shall notify the POTW within 24 hours of becoming aware of the violation. Within 30 days of discovering the violation, the user shall resample and submit a report of the results of the resampling to the POTW. The industrial user is not required to resample if the POTW performs monitoring at the industrial user's facility at least once a month or if the POTW performs sampling between the industrial user's initial sampling and when

the industrial user receives the results of the initial sampling. (Prior code § 7-090.3)

13.08.330 Monitoring facilities.

A. The City may require, at the user's expense, monitoring facilities to allow inspection, sampling, and flow measurement of the building sewer and/or internal drainage systems. The monitoring facility should normally be situated on the user's premises, but the City may, when such a location would be impractical or cause undue hardship on the user, allow the facility to be constructed in the public street or sidewalk area and located so that it may not be obstructed by landscaping or parked vehicles.

B. There shall be ample room in or near such sampling manhole or facility to allow accurate sampling and preparation of samples for analysis. The facility, sampling and measuring equipment shall be maintained at all times in a safe and proper operating condition at the expense of the user.

C. Whether constructed on public or private property, the sampling and monitoring facilities shall be provided in accordance with the City's requirements and all applicable local construction standards and specifications. Construction shall be completed within 90 days following written notification by the City, unless otherwise allowed. (Prior code § 7-090.4)

13.08.340 Inspection, sampling, and photographs.

A. The City shall inspect the facilities of any user to ascertain whether the purpose of this chapter is being met and all requirements are being complied with. Persons or occupants of premises where wastewater is created or discharged shall allow the City or the City's representative ready access at all reasonable times to all parts of the premises for the purposes of inspection, sampling, examining records, or performing any of their duties. The City, approval authority (where the State is the approval authority), and EPA shall have the right to set up on the user's property such devices as are necessary to conduct sampling, inspection, compliance monitoring, and/or metering operations.

B. Where a user has security measures in force which would require proper identification and clearance before entry into its premises, the user shall make necessary arrangements with its security guards so that upon presentation of suitable identification, City inspectors, approval authority, and EPA will be permitted to enter without delay for the purpose of performing their specific responsibilities.

C. City inspectors may, in the course of their inspection, photograph any condition on the premises thought by the Inspector to possibly constitute a violation of this chapter or any other local, State, or Federal law and any mechanism, apparatus, means or method thought to contribute to or facilitate the suspected violation, including, but not limited to, the waste treatment drains and pipes, monitoring equipment waste disposal areas, chemical storage tanks, and/or waste container labels.

D. Upon the written requests of the EPA or State or local governmental agencies charged with regulatory jurisdiction, all photographs taken in accordance with this chapter shall be made available to such agencies without reservations. Such photographs may also, upon written request only, be made available to the public or other nongovernmental agencies unless the user specifically requests and is able to demonstrate to the satisfaction of the City that the photographs should be considered confidential in that, if released, they would divulge information, processes, or methods of production entitled to protection as trade secrets of the user. Photographs accepted by the City as confidential shall not be transmitted to any nongovernmental agency or to the general public by the City until 10 days after notification is given to the user. (Prior code § 7-090.5)

13.08.350 Pretreatment.

A. All users affected by the National Categorical Pretreatment Standards shall provide necessary

wastewater pretreatment in accordance with the general pretreatment regulations contained in 40 CFR 403 and as indicated elsewhere in this chapter and shall achieve compliance with all Federal categorical pretreatment standards within the time limitations as specified by the Federal pretreatment regulations. Users shall conduct wastewater sampling and analysis using the methods and procedures contained in 40 CFR 136. In addition, all reports required to be submitted in accordance with 40 CFR 403.12(b)(6) or elsewhere in this chapter, including, but not limited to, baseline and other monitoring reports, 90-day compliance reports, and reports pertaining to sampling performed pursuant to this chapter shall contain a certification statement from a qualified professional which indicates that the user is in compliance with applicable categorical standards on a consistent basis and shall specify whether any pretreatment operation and maintenance is required to obtain compliance. The statement shall be signed by an authorized representative of the user thereby attesting to the accuracy of all information contained in the statement. All records relating to compliance with pretreatment standards shall be made available upon request to officials of the EPA, control authority, or appropriate State agencies or other governmental agencies having regulatory jurisdiction.

B. Facilities required to pretreat wastewater to a level acceptable to the City shall be provided, operated, and maintained at the user's expense. Detailed plans showing the pretreatment facilities and operating procedures shall be submitted to the City for review, and shall be accepted by the City before construction of the facility. The review of such plans and operating procedures shall in no way relieve the user from the responsibility of modifying the facility as necessary to produce an effluent acceptable to the City under the provisions of this chapter. Any subsequent changes in the pretreatment facilities or method of operation shall be reported to and accepted by the City prior to the user's initiation of such changes. The quality of the discharge required in this chapter shall be maintained at all times. Standby facilities may be required to attain this quality. (Prior code § 7-090.6)

13.08.360 Confidential information.

A. Information and data on a user obtained from reports, questionnaires, permit applications, permits and monitoring programs, and from inspections shall be made available to the EPA, State agencies, and other local governmental agencies without restrictions. Such information and data shall also be made available to the public or other nongovernmental agencies without restriction unless the user specifically requests and is able to demonstrate to the satisfaction of the City that the release of such information would divulge information, processes, or methods of production entitled to protection as trade secrets of the user. However, in no event shall wastewater constituents and characteristics be recognized as confidential information.

B. Information accepted by the City as confidential shall not be transmitted to any nongovernmental agency or to the general public by the City until or unless the request is received in writing and until 10 days after notification of the request has been given to the user by the City. Furthermore, when requested by the person furnishing a report for uses related to this chapter, the National Pollutant Discharge Elimination System (NPDES) Permit, State Disposal System Permit and/or Pretreatment Programs, the portions of a report which might disclose trade secrets or secret processes shall not be made available when requested by the public or nongovernmental agencies. However, such portions of such reports shall be made available, without reservation, to the EPA, State agencies, or local governmental agencies upon the written request of such agency.

C. In accordance with 40 CFR 403.8(f)(2)(vii), the City shall, at least annually, publish a list of industrial users which were in significant noncompliance with applicable pretreatment requirements during the previous 12 months in the largest daily newspaper published in the municipality where the POTW is located. (Prior code § 7-090.7)

13.08.370 Special agreements.

Special agreements and arrangements between the City and any persons or agencies may be established when, in the opinion of the City, unusual or extraordinary circumstances compel special terms and conditions. However, in no event shall any such agreement be interpreted so as to authorize the violation or waiver of applicable pretreatment standards or requirements. (Prior code § 7-090.8)

Article IV. Enforcement

13.08.380 Suspension of permit.

A. When a violation hereof creates conditions which are so aggravated that immediate cessation of operation is necessary and the Director so finds that as a fact, he or she may suspend the permit and serve written notice of such suspension on the permittee. The Director may also suspend a permit if objectionable conditions listed in a notice to correct is not corrected within the time stipulated.

B. A person whose permit has been suspended or revoked, as provided for herein, shall immediately discontinue the deposit or discharge of industrial waste, sewage or effluent and shall not resume such deposit or discharge until the permit has been reinstated or a new permit has been issued. (Prior code § 7-091.1)

13.08.390 Refusal, discontinuance or termination of service.

The City may, with cause, refuse to furnish sanitary sewer service and may discontinue or terminate such services to any premises where the sewage from such premises is found by the Director to be detrimental or injurious to the sanitary sewerage system of the City or to other premises or where the Director finds that negligent or wasteful use of water exists at any premises which adversely affects the City sanitary sewerage system. The City shall have the right to refuse, disconnect or terminate sewer service to any premises, if necessary to protect the City against abuse or fraud.

The Director, with cause, may issue a cease and desist order to any premises found to be in violation of provisions of this chapter or of their wastewater discharge permit. The Director may include a time schedule for compliance with the cease and desist order and may issue a cease and desist order as a preventative action in the event of a threatened violation. Further cause for refusal, discontinuance or termination of service may exist for a violation of any provision of this chapter or delinquency in sewer service payment or a discharge of wastewater that causes or threatens to cause a condition of contamination, pollution or nuisance as defined in this chapter. Termination of service to a premises by the Director and with the prior approval of the City Manager shall be accomplished by written notification of termination and the reason(s) sent by certified mail, return receipt requested, to the person to whom notice is given.

Immediate termination of service may be caused by the Director with the approval of the City Manager on any premises if there is an immediate public nuisance. The Director may then, with the approval of the City Manager, enter upon the premises without written notice to do such things and expend such sums as may be necessary to abate such nuisance, hazard or menace and the reasonable value of the work done and the amounts expended in so doing shall be charged against the person or owner of the property so in violation. (Prior code § 7-091.2)

13.08.400 Submission of time schedule.

When the City finds that a discharge of wastewater has been taking place in violation of prohibition or limitations prescribed in this chapter, or wastewater source control requirements, effluent limitations or pretreatment standards, or the provisions of a wastewater discharge permit, the City may require the user to submit for approval, with such modifications as it deems necessary, a detailed time schedule of specific actions which the user shall take in order to prevent or correct a violation of requirements. (Prior code § 7-091.3)

13.08.410 Appeals.

A. Any user, permit applicant, or permit holder affected by a decision, action, or determination, including suspension, revocation, refusal or termination, cease and desist orders, issued by the Director, interpreting or implementing the provisions of this chapter or in any permit issued herein, may file with the Director a written request for reconsideration within 10 days of such decision, action, or determination, setting forth in detail the facts supporting the user's request for reconsideration.

B. Any person aggrieved by the action of the Director may appeal said decision in accordance with the procedures set forth in Sections 13.08.450 et seq., of this chapter. (Prior code § 7-091.4)

13.08.420 Emergency orders and appeals therefrom.

A. The Director of the Municipal Utilities Department may order the abatement of any discharge from any source, including, but not limited to, the discharge of any waste associated with human habitation or of human or animal origin and septic tank or cesspool waste, when, in the opinion of the Director or the Director's designated representative, the discharge causes or threatens to cause a condition which presents an imminent danger to the public health, safety, or welfare; the environment; or the POTW's operations.

B. Said situation shall be abated by service of a notice upon the person responsible for said discharge or the owner of said building and it shall be unlawful for any person to fail to obey or correct such conditions within 24 hours after being ordered to do so. If said situation is not abated within 24 hours after service of the notice, the City may perform such work or cause to be performed such work as shall be necessary to obtain proper abatement.

C. Any cost incidental to such work may be an assessment upon the property or premises affected and may be collected on the tax rolls in the same manner, by the same person, and at the same time together with or separate from the general taxes. The Director shall follow the procedures for having said charges collected with the general taxes.

D. Any person alleging to have been aggrieved by any emergency action taken by the City pursuant to this section may appeal the propriety of the City's action by filing a written notice of appeal with the Director of the Municipal Utilities Department within 15 days of the emergency abatement. Thereafter, said persons may file an appeal directly to the City Manager. The City Manager shall fix the date, time and place of the hearing of said appeal, not to exceed 60 days from the filing of the appeal, and shall cause the Municipal Utilities Director to send notice of the hearing to the aggrieved party. The City Manager shall have no obligation to hear any request for appeal filed in excess of 30 days following the denial of the appeal by the Municipal Utilities Director. (Prior code § 7-091.5)

13.08.430 Legal action.

If any person discharges sewage, industrial waste or other wastes into the City's wastewater disposal system contrary to the provisions of this chapter, Federal or State pretreatment standards or requirements, or any order of the City or any other local governmental agency having regulatory jurisdiction, or otherwise commits any violation contrary to any of the provisions of this chapter, the City Attorney may commence an action for appropriate legal, equitable, or injunctive relief in the courts of San Joaquin County. (Prior code § 7-091.6)

13.08.440 Civil penalties.

A. Any person who violates any provision of any permit issued pursuant to this chapter, who discharges

waste or wastewater which causes pollution, or who violates any cease and desist order, prohibition effluent limitations, national standard of performance, or national pretreatment or toxicity standard or any other order of the Director shall be civilly liable to the City in a sum not to exceed $25,000.00 per violation per day. In addition, the City may require the user to pay any excess costs to the system for supplementary treatment plants, facilities, or operations needed as a result of allowing the entry of such discharges into the collection system and/or treatment works.

B. The City may petition the Superior Court of San Joaquin County to impose, assess, and collect any sums levied pursuant to this chapter and Sections 54725, 54739, and 54740, et seq., of the California Government Code. In determining the amount to be recovered, the court shall take into consideration all relevant circumstances, including, but not limited to, the extent of harm caused by the violation, the economic benefit derived through any noncompliance, the nature and persistence of the violation, the length of time over which the violation occurs, and corrective action, if any, attempted or taken by the discharger. Notwithstanding any other provision of law, all civil penalties imposed by the court pursuant to this subsection shall be distributed to the City. Remedies imposed pursuant to this section are in addition to and do not supersede or limit any and all other administrative, civil, or criminal remedies available at law, but no liability shall be recoverable under this section for any violation for which liability is recovered under Section 13.08.470 of this chapter. (Prior code § 7-091.7)

13.08.450 Administrative adjudication and penalties.

A. The City may issue an administrative complaint to any person who violates any requirement adopted or ordered by the City pursuant to this chapter. The administrative complaint shall allege with particularity, the act or failure to act that constitutes the violation, the section of the Stockton Municipal Code or wastewater permit provision violated, and the provisions of law authorizing civil liability to be imposed, and the proposed civil penalty, and shall be served by personal delivery or certified mail on the person subject to the discharge requirements. In addition, the administrative complaint shall inform the person served that a hearing before a Hearing Officer as designated by the City Council shall be conducted within 60 days after the person has been served. Persons aggrieved by the provisions of Section 13.08.410 may also avail themselves of the administrative adjudication procedures set forth in this and the following sections. Any person entitled to a hearing to be conducted pursuant to this provision may waive the right to a hearing, in which case the City shall not conduct a hearing.

B. If after the hearing, if any, it is found that the person affected by the administrative decision has violated reporting or discharge requirements, the Hearing Officer may assess a civil penalty against the person. In determining the amount of the civil penalty, the Hearing Officer may take into consideration all relevant circumstances, including, but not limited to, the extent of harm caused by the violation, the economic benefit derived through any noncompliance, the nature and persistence of the violation, the length of time over which the violation occurs, and corrective action, if any, attempted or taken by the discharger. Penalties imposed by the local agency pursuant to this section shall be assessed in accordance with Government Code Section 54740.5.

C. The amount of any civil penalties imposed pursuant to this section which have remained delinquent for a period of 60 days may constitute a lien against the real property from which the discharge originated and which resulted in the imposition of the civil penalty. The lien provided herein shall have no force and effect until recorded with the County Recorder and when recorded shall have the force and effect in priority of a judgment lien and continue for 10 years from the time of recording unless sooner released and shall be renewable in accordance with the provisions of Sections 683.110 to 683.220, inclusive, of the California Code of Civil Procedure. All moneys collected under this section shall be deposited in a special account of the City and shall be made available for the monitoring, treatment, and control of discharges into the City's sanitation or sewer system or for other mitigation measures. (Prior code § 7-091.8)

13.08.460 Appeal of administrative decision.

A. The City Council hereby delegates the Council's review powers specified in Government Code Section 54740.5 to the City Manager. Any person dissatisfied with the decision of the Hearing Officer may, within 30 days of the notice of the Hearing Officer's decision, file a written appeal of such decision with the City Manager. The written appeal shall state with specificity the grounds upon which the appeal is being taken. The review by the City Manager or City Manager's designee shall consist solely of a review of the record of the administrative hearing. Within 30 days of receiving the written appeal, the City Manager shall issue a written decision affirming, modifying, or overruling the decision of the administrative Hearing Officer. The decision of the City Manager shall be final and binding.

B. Unless appealed, orders setting administrative penalties shall become effective and final upon issuance thereof and payment shall be made within 30 days. Copies of these orders shall be served by personal service or by registered mail upon the party served with the administrative complaint and upon other persons who appeared at the hearing and requested a copy. Any party aggrieved by a final order issued by the City Manager pursuant to this section may obtain review of the order in the Superior Court by filing in the court a petition for writ of mandate within 30 days following the service of a copy of the decision and order issued by the City Manager. If no aggrieved party petitions for writ of mandate within the time specified above, an order of the City Manager or Hearing Officer shall not be subject to review by any court or agency pursuant to Section 54740.6 of the California Government Code. (Prior code § 7-091.9)

13.08.470 Recovery of penalties.

The City may, at its option, elect to petition the Superior Court to confirm any order establishing civil penalties and enter judgment in conformity therewith in accordance with the provisions of Sections 1285 to 1287.6, inclusive, of the California Code of Civil Procedure. No penalty shall be recoverable under this section for any violation for which civil liability is recovered under Section 13.08.490. (Prior code § 7-091.10)

13.08.480 Criminal penalties.

It is unlawful for any person or entity to intentionally or negligently fail to comply with or violate any provisions of this chapter or any permit standards or requirements issued pursuant to this chapter or by the State, Federal, or other local governmental agency having jurisdictional authority with regard to wastewater treatment or discharge. (Prior code § 7-091.11)

13.08.490 Enforcement response plan.

In accordance with 40 CFR 403.8, the Director or the Director's designated representative shall respond to violations of this chapter using the Enforcement Response Plan (ERP) on file with the City Department of Municipal Utilities. (Prior code § 7-091.12)

Chapter 13.12 WASTEWATER USER CHARGES AND FEES

13.12.010 Classification of users.

All users shall be classified by assigning each one to a "user classification" category according to the principal activity conducted on the user's premises and based on the typical wastewater constituents and characteristics for the type of user as determined by the City. The purpose of each classification is to facilitate the regulation of wastewater discharge based on wastewater constituents and characteristics to provide an effective means of source control, and to establish a system of user charges and fees which will insure an equitable recovery of the City's cost. Wastewater constituents and characteristics may include, but not be limited to: total suspended solids (TSS), biochemical oxygen demand (BOD) and flow. (Prior code § 7-092.1)

13.12.020 Types and/or charges and fees.

A user classification charge may be adopted for each user category based upon the charges for the average wastewater constituents and characteristics of all users within the user classification. The charges for each wastewater constituent and characteristic shall be established by the City and set forth in the Council resolution adopted pursuant to this chapter. The City may adopt a schedule of charges and fees to include the following:

A. User classification charges;

B. Fees for monitoring;

C. Appeal fees;

D. Charges and fees based on wastewater constituents and characteristics to include applicable provisions of the Act. (Prior code § 7-092.2)

13.12.030 Determination of user charges.

Each user shall pay the applicable user charge as set forth in the City Schedule of User Charges and Fees. The City may elect to set fixed unit charges as set forth in the City Schedule of User Charges and Fees for certain user classifications based on wastewater constituents and characteristics. For the purpose of determining user charges the minimum standard classification charge shall be based upon a typical average strength of domestic wastewater. These constituents may include but not be limited to BOD, TSS, and volume. (Prior code § 7-092.3)

13.12.040 General requirements for the user charge system.

The City shall maintain a user charge system in accordance with CFR 40 Part 35 to assure equitable costs for all users. (Prior code § 7-092.4)

13.12.050 Wastewater fund.

All revenues or moneys collected by the City for use of the sanitary sewer system pursuant to the chapter shall be placed in an account entitled "Wastewater Fund" and shall be used only for the acquisition, construction, reconstruction, completion, maintenance and operation of the sanitary sewer system of the City and to repay principal and interest on any bonds heretofore or hereafter issued for the acquisition, construction,

reconstruction, completion or improvement of the sanitary sewer system of the City. (Prior code § 7-092.5)

13.12.060 Effective date of charges.

Effective dates of user charges shall be set by City Council resolution. (Prior code § 7-092.6)

13.12.070 Wastewater volume determination.

A. Meter Water Supply. User charges and fees shall be applied against the total amount of water used from all sources unless, in the opinion of the City, significant portions of water received are not discharged to a sanitary sewer. The total amount of water used from public and private sources will be determined by means of public meters or private meters installed and maintained at the expense of the user and approved by the City.

B. Metered Wastewater Volume and Metered Diversions. For purposes of determining other than flat rate charges as set forth by Council resolution the volume of effluent discharged into the sanitary sewer and sewer service charge for such use shall be measured by an effluent meter installed at the user's expense and approved by the Director.

For users where, in the opinion of the City, a significant portion of the water received from any metered source does not flow into the sanitary sewer because of the principal activity of the user or removal by other means, the user charges and fees will be applied against the volume of water discharged from such premises into the sanitary sewer. Written notification and proof of the diversion of water must be provided by the user if the user is to avoid the application of the user charges and fees against the total amount of water used from all sources. The user shall install a meter of a type and at a location approved by the City and at the user's expense. Such meters may measure either the amount of sewage discharged or the amount of water diverted. Such meters shall be tested for accuracy at the expense of the user when deemed necessary by the Director.

C. Estimated Wastewater Volume.

1. Users Without Source Meters. For users where, in the opinion of the City, it is unnecessary or impractical to install meters, the quantity of wastewater may be based upon an estimate prepared by the City and shall be considered as conclusive. This estimate shall be based upon a rational determination of the wastewater discharged and may consider such factors as the number of fixtures, seating capacity, population equivalent, production of goods and services or such other determinants of water use necessary to estimate the wastewater volume discharged.

2. Users With Source Meters. For users who, in the opinion of the City, divert a significant portion of their flow from a sanitary sewer, the user charges may be based upon an estimate of the volume prepared by the user, provided the user obtains a wastewater discharge permit and pays the applicable user charges and fees. The estimate must include the method and calculations used to determine the wastewater volume and may consider such factors as the number of fixtures, seating capacity, population equivalents, production of goods and services, or such other determinants of water use necessary to estimate the wastewater volume discharge. (Prior code § 7-092.7)

13.12.080 Establishment of BOD.

For the purposes of establishing the value of BOD for a commercial or industrial sewage, four (4) or more representative samples shall be taken at reasonable intervals during the billing period. Those industrial or commercial establishments whose wastes are found to fall continually within the same BOD limits will be checked only at the request of the owner of said establishment or at the discretion of the Director of the Municipal Utilities Department. The average BOD value of the waste as determined by such samples shall apply for the entire billing period during which such samples are taken. (Prior code § 7-092.8)

13.12.090 Method of assessing commercial user charges.

There shall be different unit rates per 100 cubic feet of metered water delivered for user categories, as established from time to time by the City and set forth in a Council resolution, to reasonably reflect their cost of service. (Prior code § 7-092.9)

13.12.100 Mandatory sanitary sewer service required.

Except as otherwise provided in this title, it shall be mandatory for all owners, occupants or persons in possession, charge, or control of all places or premises in the City to subscribe to and pay for sanitary sewer service rendered to such place or premises. (Prior code § 7-092.10)

13.12.110 Outside users—users not in City boundaries.

Users not within City boundaries shall be assessed and charged, according to the current City User Charge System, in compliance with CFR 40. Fees which are not part of the User Charge System will be set from time to time by City Council resolution or regulated by other sections of the Stockton Municipal Code. (Prior code § 7-092.11)

13.12.120 Establishing rules and regulations.

The City Manager is hereby authorized to establish any rules or regulations necessary for the enforcement of this chapter. He or she may delegate and appoint members of the City Administration to act in his or her behalf. (Prior code § 7-092.12)

13.12.130 Billing and collection procedures.

A. Billing and collection procedures for sewer service, including the billing cycle, whether monthly, quarterly or otherwise, shall be as determined by the Administrative Services Officer with the concurrence of the City Manager.

B. Residential and commercial sewer service shall be billed on a unified bill to the customer receiving the bill for water at the service location. Residential dwellings, consisting of two (2) or more separate units, served by a single water meter shall be billed for sewer service for the total number of such separate units served by such water meter on a unified bill. Notification of billing period changes shall be provided to all sewer service customers. (Prior code § 7-092.13)

13.12.140 Charges payable to City or designated authorized agent for billing and collection.

All sewer service charges shall be payable to the City or its authorized agent for billing and collection. (Prior code § 7-092.13.1)

13.12.150 Adjustment and refund of certain charges.

A. The Administrative Services Officer or authorized agent for billing and collection may adjust or refund such charges as are deemed to be inequitable in the presentation of an amount billed, penalty charges under extenuating circumstances, cancellation of duplicate billing, refunds of duplicate payments and refunds of

amounts due to customers on closed accounts. Refunds on closed accounts of $5.00 or less will not be made unless a specific request is received from the party to whom the refund is to be made.

B. The Administrative Services Officer or authorized agent for billing and collection may cancel all closed accounts due to the City with a balance of $10.00 or less. (Prior code § 7-092.14)

13.12.160 Adjustment of charges for service.

The Director of Municipal Utilities may make such adjustments as are deemed necessary based on a charge for service. All adjustments will require a specific request by the customer for whom the adjustment is made and such adjustments shall be approved by the Director of Municipal Utilities, and forwarded in writing to the Administrative Services Officer for processing. All adjustments may be credited to customer's account or refunded directly to the customer upon request by the customer. All direct refunds shall require the approval of the Administrative Services Officer. (Prior code § 7-092.15)

13.12.170 Maintenance of records.

The Administrative Services Officer or authorized agent for billing and collection is responsible for maintaining adequate records of bills tendered, payments received, delinquencies recorded, cash deposited and charges incurred. The records shall be maintained in accordance with the City's record retention policy. (Prior code § 7-092.16)

13.12.180 Delinquency, penalties and nonpayment.

A. An account shall be deemed delinquent where payment in full of the unified bill is not received at the office of the City or its authorized agent for billing and collection within 25 days of the billing date. A postmark date is not considered the date of payment.

B. Where all or any part of any bill remains unpaid 25 days after the billing date, a basic penalty of 10 percent of the total delinquent amount shall be added to such bill for the first month delinquent. In addition, an amount equal to one (1) percent per month of the total delinquent amount shall be added to such bill during the time said bill remains unpaid.

C. Except as otherwise provided by law, if a unified bill remains unpaid more than 30 days after the date of billing, water service at the service location may be terminated. Water service will not be restored until the amount of all delinquent charges and associated service charges, deposits and reconnection charges have been paid in full, or an amortization agreement has been authorized by the City or its authorized agent for billing and collection pursuant to Section 779 or 10010 of the Public Utilities Code or other applicable statute or regulation. (Prior code § 7-092.17)

13.12.190 Payment of fees—Responsible party—Responsibilities of property owner.

A. No facility or service of the sanitary sewer system shall be furnished to any premises free of charge.

1. The water service customer of any premises is and shall be responsible for payments of any and all sewer service charges applicable to the premises. It shall be and is hereby made the duty of each water service customer to ascertain from the City Administrative Services Department or its authorized agent for billing and collection the amount and due date of any charge applicable to premises and to pay such charges when due and payable.

2. Metered or monitored industrial sewer service charges will be billed to the sewer service user on an

individual basis separate from the water service bill. The industrial sewer service user is and shall be responsible for payments of any and all sewer service charges applicable to the premises. It shall be and is hereby made the duty of each industrial sewer service customer to ascertain from the City Administrative Services Department the amount and due date of any charge applicable to premises and to pay such charges when due and payable.

B. It shall also be and is hereby made the duty of each owner of any premises to inform the City Administrative Services Department or its authorized agent for billing and collection immediately of all circumstances, and of any change(s) in any circumstance which will in any way affect the applicability of any charge to premises owned by said person or the amount of any such charge. In particular, but not by way of limitations, an owner of any premises shall immediately inform the City Administrative Services Department or its authorized agent for billing and collection of any sale or transfer of any such premises by or to such owner. (Prior code § 7-092.24)

13.12.200 Sewer connection charges system.

A system of connection charges will be applied to users connecting or increasing their usage. The connection charge system fees will be set by the City Council by resolution from time to time and periodically adjusted to meet the needs of the capital improvement funds.

Special Rates. Special rates for connection charges for specific areas or specific cases may be made by resolution of the City Council where special conditions warrant such action by reason of hardship or inequities, or if judged by the City Council to contribute to the general good or betterment of the community. (Prior code § 7-092.25)

CITY OF STOCKTON
Municipal Utilities Department

2014
PRETREATMENT PROGRAM ANNUAL REPORT

ATTACHMENT B

Enforcement Response Plan

09-0181

Resolution No. _____

STOCKTON CITY COUNCIL

RESOLUTION APPROVING CHANGES TO THE INDUSTRIAL PRETREATMENT PROGRAM ENFORCEMENT RESPONSE PLAN EFFECTIVE JULY 1, 2009

Pretreatment regulation changes, which became effective on November 14, 2005, require modifications to the Industrial Pretreatment Program Enforcement Response Plan, including revisions to the "Definition of Significant Noncompliance" section and other general formatting revisions according to federal regulation changes; and

Revisions are required to the "Definition of Significant Noncompliance" section by replacing Exhibit "B," Pages 10 and 11, with Exhibit "A," Pages 1 and 2, Sections A through H; and

There was not an implementation date set for the "Streamlining Rule"; however, during a Regional Board inspection, the Board stated to implement the "Streamlining Rule" by July 1, 2009; now, therefore,

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF STOCKTON, AS FOLLOWS:

1. That the City Manager is authorized to execute the attached Industrial Pretreatment Program Enforcement Response Plan, which has changes to the "Definition of Significant Noncompliance" and other general formatting revisions, a copy of which is attached as Exhibit "A," and incorporated by this reference, is hereby adopted.

2. That the effective date of said Industrial Pretreatment Program Enforcement Response Plan shall be July 1, 2009.

3. The City Manager is hereby authorized to take the appropriate actions to carry out the purpose and intent of the resolution.

PASSED, APPROVED and ADOPTED JUN 16 2009.

Ann Johnston

ANN JOHNSTON, Mayor
of the City of Stockton

ATTEST:

Bonnie Paige

for KATHERINE GONG MEISSNER
City Clerk of the City of Stockton

::ODMA\GRPWISE\COS.MUD.MUD_Library:132244.1

City Atty:
Review
Date June 10, 2009

Exhibit "A"

CITY OF STOCKTON
MUNICIPAL UTILITIES
www.stocktongov.com • (209)937-8700

INDUSTRIAL PRETREATMENT PROGRAM

ENFORCEMENT RESPONSE PLAN

This document has been developed in accordance with the requirements of 40 CFR Part 403.8(f)(5), which requires that each Publicly Owned Treatment Works (POTW) develop and implement an enforcement response plan containing detailed procedures indicating how a POTW will investigate and respond to instances of industrial user noncompliance. The City has developed and implemented this Enforcement Response Plan as a component of the Industrial Pretreatment Program.

Noncompliance

Any violation of pretreatment requirements (discharge limits, sampling, analysis, reporting, compliance schedules, regulatory deadlines, etc.) is an instance of noncompliance for which the industrial user is liable for enforcement, including penalties.

Significant Noncompliance

Definition of Significant Noncompliance (SNC) as specified in 40 CFR 403.8(f)(2)(viii):

A Significant Industrial User (or any Industrial User which violates paragraphs (f)(2)(viii)(C), (D), or (H) of this section) is in significant noncompliance if its violation meets one or more of the following criteria:

(A) Chronic violations of wastewater Discharge limits, defined here as those in which 66 percent or more of all of the measurements taken for the same pollutant parameter during a 6-month period exceed (by any magnitude) a numeric Pretreatment Standard or Requirement, including instantaneous limits, as defined by 40 CFR 403.3(l);

(B) Technical Review Criteria (TRC) violations, defined here as those in which 33 percent or more of all of the measurements taken for the same pollutant parameter during a 6-month period equal or exceed the product of the numeric Pretreatment Standard or Requirement including instantaneous limits, as defined by 40 CFR 403.3(l) multiplied by the applicable TRC (TRC=1.4 for BOD, TSS, fats, oil, and grease, and 1.2 for all other pollutants except pH);

(C) Any other violation of a Pretreatment Standard or Requirement as defined by 40 CFR 403.3(l) (daily maximum, long-term average, instantaneous limit, or narrative Standard) that the POTW determines has caused, alone or in combination with other Discharges, Interference or Pass Through (including endangering the health of POTW personnel or the general public);

(D) Any discharge of a pollutant that has caused imminent endangerment to human health, welfare or to the environment or has resulted in the POTW's exercise of its emergency authority under paragraph (f)(1)(vi)(B) of this section to halt or prevent such a discharge;

(E) Failure to meet, within 90 days after the schedule date, a compliance schedule milestone contained in a local control mechanism or enforcement order for starting construction, completing construction, or attaining final compliance;

(F) Failure to provide, within 45 days after the due date, required reports such as baseline monitoring reports, 90-day compliance reports, periodic self-monitoring reports, and reports on compliance with compliance schedules;

(G) Failure to accurately report noncompliance;

(H) Any other violation or group of violations, which may include a violation of Best Management Practices, which the POTW determines will adversely affect the operation or implementation of the local Pretreatment program.

Violation Charges

Fines may be assessed for pretreatment violations in accordance with S.M.C. Sections 7-091.7 and/or 7-091.8. There may be assessed a $1,000.00 minimum fine for all violations.

Any violation of compliance schedule milestones, or enforcement order for starting construction, completing construction, and attaining final compliance by 90 days or more after the schedule date will be assessed a minimum fine of $100.00 per day from the milestone date.

Any failure to provide reports for compliance schedules, self-monitoring data, or categorical standards (baseline monitoring reports, 90 day compliance reports, and periodic reports) within 30 days from the due date will be assessed a minimum fine of $100.00 per day from the due date.

Timeframes for Enforcement Responses

All violations will be identified and documented within five days of receiving compliance information.

Initial enforcement responses (involving contact with the industrial user and requesting information on corrective or preventative actions) will occur within 30 days of violation detection.

Follow up actions for continuing or recurring violations will be taken within 60 days of the initial enforcement response.

Violations which threaten health, property or environmental quality are considered emergencies and will receive immediate responses.

All violations meeting the criteria for significant noncompliance will be addressed with an enforceable order within 30 days of the identification of significant noncompliance.

ESCALATING ENFORCEMENT RESPONSE GUIDE

Violation	Enforcement Response[1]	Personnel
Discharge Limit - City Monitoring or Self-Monitoring		
Isolated	NOV & Fine[2]	ECO/S/D
Recurring	NOV & Fine[3]	ECO/S/D
Chronic	AO & Fine	D
	Compliance Schedule[4]	D
	Show Cause & Fine	D/CA
	Cease and Desist & Fine	D/CA
	Temporary Suspension	D/CA
	Termination	D/CA
	Civil Action	D/CA/DA
Discharge		
SNC[5]	Cease and Desist & Fine	D/CA
Shock Load	Termination	D/CA
Gross Contamination	Civil Action	D/CA/DA
Bypass		
Health Risk		
Hazardous		
Unpermitted / Nonpermitted Discharge		
	Phone Call & NOV	ECO/S/D
	NOV & Fine	S/D
	Cease & Desist	D
	Termination	D/CA
	Civil Action	D/CA/DA
Dilution in Lieu of Treatment		
	AO & Fine	D
	Compliance Schedule	D

[1] Actions are listed in order of escalation value with corresponding personnel involvement.

[2] Fines for isolated discharge violations may be imposed depending on the severity of the violation, recent history of noncompliance, duration of noncompliance, and good faith and commitment.

[3] Fines for all violations will escalate in accordance with the severity of violation, harm to POTW, and economic benefit to violator, up to the maximum amount allowed by state and local laws.

[4] Dischargers that continue to violate during the compliance schedule period will be fined, but the Director may hold the fines in abeyance pending successful completion of the compliance schedule. This may be done for existing industries only. New industries must be in compliance upon commencement of operation.

[5] Publish annually in local newspaper.

Violation	Enforcement Response	Personnel
Monitoring		
Failure to / Improper	Phone Call & NOV	ECO/S/D
	NOV & Fine	S/D
	AO & Fine	D
	Show Cause & Fine	D/CA
	Cease and Desist	D/CA
	Termination	D/CA
Tampering	Cease and Desist	D/CA
	Termination	D/CA
	Civil Action	D/CA/DA
Reporting		
Late Improperly Signed Incomplete	Phone Call & NOV	ECO/S/D
	NOV & Fine	S/D
	AO & Fine	D
Changed Discharge	Show Cause & Fine	D/CA
Spill	Cease and Desist	D/CA
	Termination	D/CA
Falsification	Cease and Desist	D
	Termination	D/CA
	Civil Action	D/CA/DA
Inspections		
Entry Denial	Phone Call & NOV	S/D
	Obtain Warrant	D/CA/DA
Records Denial	Phone Call & NOV	S/D
	Obtain Warrant	D/CA/DA
Compliance Schedules		
Milestone Dates	Show Cause & Fine	D
	Cease and Desist	D/CA
	Termination	D/CA
Nonpayment		
Fines Uncontested or Upheld through Appeal (90 Days Late)	Temporary Suspension	D/CA

Acronyms

AO - Administrative Order
CA - City Attorney
CFR – Code of Federal Regulations
CO – Correction Order
D - Director of Municipal Utilities
DA - District Attorney
ECO - Environmental Control Officer
NOV - Notice of Violation
POTW - Publicly Owned Treatment Works
S - Technical Services Supervisor
SMC – Stockton Municipal Code
SNC – Significant Noncompliance

Definitions

Bypass - To intentionally discharge wastewater to the sanitary sewer without pretreatment as specified by a Wastewater Discharge Permit.
Cease and Desist - A formal order requiring a user to stop violating a Discharge Permit limit.
Chronic Discharge Limit Violation - Three or more violations of the same discharge limit in a six month period.
Fine - Monetary penalty assessed by the Control Authority
Gross Contamination - Any discharge to the sanitary sewer that has caused, or has ability to cause, the POTW to violate its Waste Discharge Requirements.
Hazardous - As defined in 40 CFR Part 261.3 or California Administrative Code Title 22 Article 11.
Health Risk - To discharge wastewater or other materials to the sanitary sewer that is an immediate health threat to the POTW or the public at large.
Isolated Discharge Limit Violation - A single violation of a discharge limit in a six month period.
Recurring Discharge Limit Violation - A second violation of the same discharge limit in a six month period.
Shock Load - Any discharge to the sanitary sewer that has caused interference or pass-through at the POTW, or has caused the POTW to violate its Waste Discharge Requirements.
Show Cause - Formal meeting requiring the industrial user to appear and demonstrate why the Control Authority should not take a proposed enforcement action against it. The meeting may also serve as a forum to discuss corrective actions and compliance schedules.
Temporary Suspension - The temporary suspension of sewer service pending successful completion, installation, demonstration of treatment equipment or payment of fines.
Termination - A formal order requiring a user to stop discharging process or other wastewater to the sanitary sewer.

CITY OF STOCKTON
Municipal Utilities Department

2014
PRETREATMENT PROGRAM ANNUAL REPORT

ATTACHMENT C

Schedule of Wastewater Fees

CITY OF STOCKTON

Introduction

The City of Stockton offers several services and facilities to the public. The Fee Schedule provides the fees & rates for these offerings. Fees are revised annually by the City Council based on inflation, indices and studies. To view the entire Fee Schedule book click on this link: http://www.stocktongov.com/government/departments/adminservices/budCurYear.html

NOTE: This application will not function correctly in Internet Explorer versions 7 and below.

Query

Department:
Municipal Utilities Department

Division:
Wastewater

Report

City of Stockton - Fee Schedule

Department: Municipal Utilities Department
Division: Wastewater
Contact Number: (209) 937-8700

Fee	Amount
Residential - Contract Users; County District Billing	
Single-Family & Condo	37.09
Multi-Family	34.86
Apartments	29.05
Residential - City; Contract User, City Billed & Maintained	
Single-family	40.67
Multi-family	38.87
Apartments	33.08
Commercial/Institutional - City; Contract User, City Billed & Maintained	
Low Strength - Fixed Monthly	22.40
Low Strength - Flow/hcf	$1.59 / hcf
Medium Strength - Fixed Monthly	22.40

Medium Strength - Flow/hcf	$1.96 / hcf
High Strength - Fixed Monthly	22.40
High Strength - Flow/hcf	$3.30/ hcf
Schools - Fixed Monthly	22.40
Schools - Other	$0.93 / ADA
Commercial/Institutional - Contract Users, City Billed, County Maintained	
Low Strength - Fixed Monthly	19.67
Low Strength - Flow/hcf	$1.59 / hcf
Medium Strength- Fixed Monthly	19.67
Medium Strength - Flow/hcf	$1.96 /hcf
High Strength - Fixed Monthly	19.67
High Strength - Flow/hcf	$3.30 /hcf
Schools - Fixed Monthly	19.67
Schools - Other	$0.93 / ADA
Industrial - City; Contract User, City Billed & Maintained	
Admin Charge / Connection	22.40
Capacity (Standby Charges) Flow	$593.51 /MG/mo
Capacity (Standby Charges) BOD	$96.08 /1,000 lbs/mo
Capacity (Standby Charges) TSS	$70.17/1,000 lbs/mo
Annual O & M Flow	$513.05/MG/mo
Annual O & M BOD	$35.75 /1,000 lbs/mo
Annual O & M TSS	$57.20/1,000 lbs/mo
Pretreatment/Source Control Program - Microbiological Analysis	
Total Coliform - MTF (MPN/100mL)	57.00
Fecal Coliform - MTF (MPN/100mL)	67.00
Total Coliform & Fecal Coliform (MTF)	77.00
E. Coli - Colilert - QT (MPN/100mL)	41.00
Pretreatment/Source Control Program - General Analysis	
pH	15.00
Chloride (Cl), mg/L	22.00
Biochemical Oxygen Demand, 5 days (BOD5) mg/L	57.00

Oil & Grease (O/G) - as Hexane Extractable Material mg/L	43.00
Total Suspended Solids (TSS), mg/L	16.00
Settle-able Solids, ml/L	16.00
Total Dissolved Solids (TDS), mg/L	31.00
Electrical Conductivity - EC (us/cm)	15.00
Ammonia	21.00
Pretreatment/Source Control Program - Metal Analysis	
Sample Preparation Aqueous (includes pH)	28.00
Sample Preparation Sludge or Soil	34.75
Aluminum, mg/L	31.75
Arsenic, mg/L	52.25
Cadmium, mg/L	35.00
Chromium, Total mg/L	35.00
Copper, mg/L	35.00
Iron, mg/L	21.00
Lead, mg/L	35.00
Mercury, mg/L	85.50
Nickel, mg/L	35.00
Selenium, mg/L	51.00
Silver, mg/L	35.00
Zinc, mg/L	35.00
Monitoring Charges	
Fats Oils and Greases Inspection Fee	106.00
Fats Oils and Greases Re-inspection Fee	141.00
Fats, Oils and Grease Administrative Citation (1st Occurrence)	205.00
Fats, Oils and Grease Administrative Citation (2nd or subsequent occurrence)	513.00
Grease Mitigation Fee (3)	Calculated Fee - See Endnotes
Wastewater Haulers	
Wastewater Haulers Discharging City Waste at Regional Wastewater Control Facility (RWCF) (1) (2)	Calculated Fee - see Endnotes

Division General Comments (Applicable to all fees)

,Basic minimum monthly rate for commercial or institutional users shall not be less than single family residential rate,Wastewater connection are authorized by City Council resolution 02-0671 along with City Council Resolution 03-0691 which amended a fee area.,Wastewater user fees were authorized by Council Resolution 10-0277 for 5-year phased increases.

Division Endnotes

(0)

(1) Waste Hauler, Within General Plan Area - Billings shall be computed at the rate of $9.75 per 1,000 gallons discharged plus $77 per trip.

(2) Waste Hauler, Within San Joaquin County Service Area - Billings shall be computed at the rate of $9.75 per 1,000 gallons discharged plus $78 per trip. NO WASTEWATER WILL BE ACCEPTED - OUTSIDE SAN JOAQUIN COUNTY OR OUTSIDE OF AUTHORIZED RURAL SERVICE AREA - A $250 DEPOSIT.

(3) Grease Mitigation Fee = ((2 x CSO hourly rate) + Combo Truck hourly rate) x (1.0 + (.5 x (S-1)) x #cleanings/year), where S = # of line segments after the first segment.

Resolution No. 02-0671

STOCKTON CITY COUNCIL

RESOLUTION APPROVING AN AMENDMENT TO RESOLUTION NO. 02-0332 CORRECTING THE SCHEDULE OF WASTEWATER FEES ADOPTED BY RESOLUTION NO. 02-0332 BY CORRECTING TYPOGRAPHICAL ERRORS AND INCORPORATING PREVIOUS AMENDMENTS OF THE SCHEDULE OF WASTEWATER FEES ADOPTED BY THE CITY COUNCIL BY RESOLUTION NOS. 97-0363 AND 98-0497

WHEREAS, a duly noticed public hearing was conducted on May 28, 2002, for the purpose of hearing public comment/testimony regarding adjustments to selected service fees; and

WHEREAS, on May 28, 2002, Resolution No. 02-0332 was adopted approving the changes to the schedule of wastewater fees to clarify the unified billing process and adopting the schedule of wastewater fees effective June 1, 2002; and

WHEREAS, during the process of drafting Resolution No. 02-0332, staff members were not aware that Resolution Nos. 97-0363 and 98-0497 had also amended Resolution No. 96-0516, adopted on November 4, 1996, originally establishing the current schedule of wastewater fees; and

WHEREAS, Resolution No. 02-0332 contained typographical errors which need to be corrected; and

WHEREAS, the amendment of Resolution No. 02-0332 contains no new or increased wastewater fees; and

WHEREAS, Resolution No. 02-0332 failed to include the provisions of Resolution Nos. 97-0363 and 98-0497 which allowed industrial users to transfer sewer capacity or reduce their allocated sewer capacity, and established an administrative transfer fee of $500, respectively; and

WHEREAS, Resolution Nos. 97-0363 and 98-0497 were developed as a result of extended discussions and meetings conducted between the Wet Industrial Dischargers (WID) Group and the Municipal Utilities Department staff in 1997 and 1998 to address issues of concern; and

WHEREAS, the fees described herein were effective June 1, 2002; and

WHEREAS, it is in the best interests of the City and community to correct the typographical errors and omissions of Resolution No. 02-0332; now, therefore,

CITY ATTY REVIEW DMC
DATE NOV 19 2002

02-0671

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF STOCKTON, AS FOLLOWS:

1. The Schedule of Wastewater Fees, a copy of which is attached as Exhibit A and incorporated by this reference, correcting the Schedule of Wastewater Fees adopted by Resolution No. 02-0332, by correcting typographical errors and incorporating previous amendments of the Schedule of Wastewater Fees adopted by the City Council by Resolution Nos. 97-0363 and 98-0497, is hereby adopted.

2. The effective date of said fees shall be June 1, 2002.

PASSED, APPROVED and ADOPTED NOV 19 2002

GARY A. PODESTO
Mayor of the City of Stockton

ATTEST:

KATHERINE GONGWER
City Clerk of the City of Stockton

:ODMA\GRPWISE\COS.CA.CA_LIBRARY:21506;

02-0671

SCHEDULE OF WASTEWATER FEES
MUNICIPAL UTILITIES DEPARTMENT
EFFECTIVE: JUNE 1, 2002

I. WASTEWATER SERVICE FEES

Monthly User Charges

CUSTOMER CLASS	Fixed/Month	Flow/hcf	Other
Residential			
Single-Family and Condos	$18.33		
Multi-Family	$17.27		
Apartments	$14.60		
Commercial			
Low Strength	$10.00	$0.70/hcf	
Medium Strength	$10.00	$0.91/hcf	
High Strength	$10.00	$1.39/hcf	
Institutional			
Low Strength	$10.00	$0.70hcf	
Medium Strength	$10.00	$0.91/hcf	
High Strength	$10.00	$1.39/hcf	
Schools	$10.00		$0.41/ADA
Industrial			
Administrative Charges/Connection	$10.00		
Capacity (Standby Charge)			
Flow			$266.00/MG/mo
BOD			$ 42.90/1,000 lbs/mo
TSS			$ 31.32/1,000 lbs/mo
Annual O&M			
Flow			$228.27 /MG
BOD			$ 16.00 /1,000 lbs
TSS			$ 25.45 /1,000 lbs
Monitoring Charge	a*		

a* Monitoring charges will be billed according to actual cost incurred.

EXHIBIT "A" 02-0671

CUSTOMER CLASS (Continued)

	Fixed/Month	Flow/hcf	Other
Contract Users, City Billed and Maintained			
Residential			
Single-Family and Condos	$18.33		
Multi-Family	$17.27		
Apartments	$14.60		
Commercial			
Low Strength	$ 10.00	$0.70/hcf	
Medium Strength	$ 10.00	$0.91/hcf	
High Strength	$ 10.00	$1.39/hcf	
Institutional			
Low Strength	$10.00	$0.70/hcf	
Medium Strength	$10.00	$0.91/hcf	
High Strength	$10.00	$1.39/hcf	
Schools	$10.00		$0.41/ADA
Contract Users, City Billing			
Residential			
Single-Family and Condos	$17.32		
Multi-Family	$16.29		
Apartments	$13.75		
Commercial			
Low Strength	$10.00	$0.70/hcf	
Medium Strength	$10.00	$0.91/hcf	
High Strength	$10.00	$1.39/hcf	
Institutional			
Low Strength	$10.00	$0.70/hcf	
Medium Strength	$10.00	$0.91/hcf	
High Strength	$10.00	$1.39/hcf	
Schools	$10.00		$0.41/ADA
Contract Users, County District Billing			
Residential			
Single-Family and Condos	$16.63		
Multi-Family	$15.62		
Apartments	$13.05		

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CUSTOMER CLASS (Continued)

	Fixed/Month	Flow/hcf	Other
Commercial			
Low Strength	$8.72	$0.70/hcf	
Medium Strength	$8.72	$0.91/hcf	
High Strength	$8.72	$1.39/hcf	
Institutional			
Low Strength	$8.72	$0.70hcf	
Medium Strength	$8.72	$0.91/hcf	
High Strength	$8.72	$1.39/hcf	
Schools	$8.72		$0.41/ADA

KEY: sq ft - square feet
hcf - hundred cubic feet (748 gallons)
ADA - Average Daily Attendance
MG - Million Gallons

NOTE: a. Basic minimum monthly rate for commercial or institutional users shall not be less than the single family residential rate.

II. SCHEDULE OF SEWER SERVICE CHARGES MONITORED INDUSTRIAL STANDBY CHARGE PROVISIONS

Definitions:

Capacity is the amount of flow, BOD, or TSS purchased by an industrial user which it is entitled to discharge to the sanitary sewer. This fee represents a one-time purchase of capacity.

Loading is the actual amount of flow, BOD, or TSS discharged to the sanitary sewer. An industrial user may discharge loading up to the capacity to which it is entitled. Loading charges apply to the actual discharge in a month, and are paid in arrears.

Standby is equivalent to a reservation of the capacity to which an industrial user is entitled, but charges for standby service shall be accrued and applied as a monthly service fee even if there has been no discharge during the month. Charges for standby service shall be paid monthly, in advance.

A. Standby charges will be based on the capacity which an industrial user is entitled. Should an industrial user discharge less than its allocated capacity, it will, nevertheless, be billed for the full amount of its allocated capacity. If standby amounts are exceeded in any calendar month, this shall be considered a violation of the Waste Discharge Permit, and shall subject the

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discharger to enforcement action as determined by the Director of Municipal Utilities, and as provided for in applicable sections of the Stockton Municipal Code. If loading exceeds standby service for any three months in a rolling twelve month period, and no temporary transfer of capacity from another industrial discharger, the daily loadings for those three months will be averaged, and one standard deviation will be added to the arithmetic mean. This sum, minus the entitled capacity, at a minimum, shall be purchased, if such capacity can be allocated to the industrial user. Additionally, in any month in which the industrial user exceeds its capacity, both monthly loading and standby charges will be applied to the excess.

B. Any industrial user (user "A") who does not discharge loadings equal to its standby service may offer to another industrial user (user "B"), the temporary use of up to ninety (90%) of its entitled capacity. If user "B" desires to use this excess capacity entitlement, user "B" shall apply for same, no fewer than thirty (30) days in advance of the time period requested for such temporary transfer, to the Director of Municipal Utilities, who shall be authorized to grant such approval. Approval to grant such transfer shall be at the discretion of the Director. If approved, a fee of $500 shall be charged user "B" as an administrative fee. User "A" shall continue to pay the full standby charge, and may make separate arrangements with user "B" for reimbursement. The temporary transfer shall be for a minimum of two consecutive months, and may not exceed six (6) consecutive months in any consecutive twelve (12) month period.

C. Industrial users who choose to reduce maximum monthly allocated sewer capacity may transfer up to 50% thereof to another industrial user or potential user, subject to the approval of the Director of Municipal Utilities. The transfer of monthly allocated sewer capacity shall be at not more than the current value of such capacity established by Resolution of the City Council, less the original administrative fee, and only on the approval of the Director, who will act as exclusive broker for the transfer of such excess capacity. An administrative fee of $500 will be charged the transferor of such excess capacity. Effective on the first day of the month following approval, standby charges to the transferor shall be adjusted proportionally, corresponding to the amount of the reduced capacity approved. The City of Stockton will not repurchase sewer capacity from any industrial user. Any relinquished capacity which has not been purchased or sold after a period of five (5) years from the date of approval of the application shall revert to the City.

D. In the event that an industrial discharger elects to relinquish some or all of its allocated capacity, an application for relinquishment shall be made to the Director accompanied by an administrative fee of $500. If approved, capacity thus relinquished shall be made available by the Director, acting as exclusive broker, to any other industrial user in accordance with paragraph C

above. Standby charges to the applicant shall be adjusted in the amount of the relinquished capacity, effective on the first day of the month following approval. The value of the capacity thus relinquished shall be determined by the applicant, except that the value may not exceed the current value of capacity as established by resolution of the City Council.

III. WASTEWATER HAULERS DISCHARGING AT REGIONAL WASTEWATER CONTROL FACILITY (RWCF)

Within General Plan Area

Billings shall be computed at the rate of $8.33 per 1,000 gallons discharged plus $71.00 per trip.

Within San Joaquin County Authorized Service Area

Billings shall be computed at the rate of $8.33 per 1,000 gallons discharged plus $71.00 per trip.

NO WASTEWATER WILL BE ACCEPTED FROM OUTSIDE SAN JOAQUIN COUNTY OR OUTSIDE OF AUTHORIZED SERVICE AREA

A $250 deposit shall be collected in advance to guarantee the customer's neat and clean operation and timely payment of bills.

Payable monthly in arrears.

IV. ACCEPTANCE OF NONHAZARDOUS WASTEWATER FROM NONREPETITIVE SPILLS AND/OR CLEANUPS

For monitoring, sample analysis, administration and disposal of wastewater contained in vacuum trucks being dumped into the Plant: $200.00 minimum charge.

V. SEWER CONNECTION FEE SCHEDULE

The sewer connection fees shall be computed in accordance with the following schedule but in no event shall any single-family dwelling unit be less than $2,850 or commercial/industrial fee be less than $2,850.

The Department of Municipal Utilities may require the owner of property to submit plans and such other information as it may deem necessary to determine the applicable sewer connection fee. The sewer connection fee for persons and

firms outside the City limits shall be no less than a comparable connection inside the City.

There is more than one connection fee schedule in the Regional Wastewater System based on construction cost differences for providing wastewater collection service to different areas of the City.

RESIDENTIAL

The connection fee for a single-family dwelling unit in the service area **SOUTH OF THE CALAVERAS RIVER** will be as follows:

Single-family dwelling unit (SFDU) including mobile homes and condominiums	Combined Tr. Capacity	$2,100
	Future Coll. Capacity	350
	Exist. Coll. Capacity	400
	TOTAL SFDU CONNECTION FEE:	**$2,850**

Multiple family dwellings, including duplexes, triplexes, and apartments: $2,850 for the first unit, and 70 percent of the SFDU rate for each additional dwelling unit.

In the area north of the Calaveras River (excluding new developments to be served by the new Westside Interceptor) the collection system cost has been established by the North Stockton 1988 Interim Sewer Improvements Assessment District, Project #88-2, as $1,134. For the area **NORTH OF THE CALAVERAS RIVER** the SFDU connection fee is as follows:

Single-family dwelling unit (SFDU) including mobile homes and condominiums	Combined Tr. Capacity	$2,100
	Future Coll. Capacity	1,134
	Exist. Coll. Capacity	400
	TOTAL SFDU CONNECTION FEE:	**$3,634**

Multiple family dwellings, including duplexes, triplexes, and apartments: $3,634 for the first unit, and 70 percent of the SFDU rate for each additional dwelling unit.

In the area **NORTH OF THE CALAVERAS RIVER,** Connection Fees for the new developing areas to be served by the proposed Westside Interceptor shall be determined as follows (Zones as defined and delineated in Resolution 96-0162):

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ZONE A:

Single-family dwelling unit (SFDU) including mobile homes and condominiums	Combined Tr. Capacity	$2,100
	Future Coll. Capacity	0
	Westside Project Fee	3,200
	TOTAL SFDU CONNECTION FEE	**$5,300**

Multiple family dwellings, including duplexes, triplexes, and apartments: $5,300 for the first unit, and 70 percent of the SFDU rate for each additional dwelling unit.

ZONE B:

Single-family dwelling unit (SFDU) including mobile homes and condominiums	Combined Tr. Capacity	$2,100
	Future Coll. Capacity	0
	Westside Project Fee	3,200
	TOTAL SFDU CONNECTION FEE	**$5,300**

Multiple family dwellings, including duplexes, triplexes, and apartments: $5,300 for the first unit, and 70 percent of the SFDU rate for each additional dwelling unit.

ZONE C:

Single-family dwelling unit (SFDU) including mobile homes and condominiums	Combined Tr. Capacity	$2,100
	Exist. Coll. Capacity	400
	Westside Project Fee	3,200
	TOTAL SFDU CONNECTION FEE	**$5,700**

Multiple family dwellings, including duplexes, triplexes, and apartments: $5,700 for the first unit, and 70 percent of the SFDU rate for each additional dwelling unit.

COMMERCIAL

A. RESIDENTIAL STRENGTH	Not less than one SFDU equivalent rate plus an additional SFDU equivalent rate for each multiple or portion thereof as calculated from guidelines in attached Sewer Connection Fee Charges.
B. MORE THAN RESIDENTIAL STRENGTH	Case by case, as calculated.

INDUSTRIAL Case by case, as calculated.

Based on Estimated Maximum Monthly Loadings for Monitored Accounts.

Customer Charge	$ 198.60
FLOW (in million gallons)/mo. for treatment	74,794.61
FLOW (in million gallons)/mo. for collection	14,465.00
BOD (in 1,000 lbs)/mo.	32,516.40
TSS (in 1,000 lbs)/mo.	14,673.72

VI. SEWER CONNECTION FEE CHARGES

A. NEW STRUCTURES

a. The basis of sewer connection charges prescribed in these regulations is a unit of cost referred to as the "connection charge" computed to represent the cost of providing capital for treatment and disposal from a single family dwelling unit. Sewage from an average single family dwelling is deemed to include a projected average of 300 gallons/day of flow with 175 milligrams/liter BOD and 375 milligrams/liter TSS.

b. Dwelling Units Defined: A single family dwelling unit is defined to mean and to refer to a place of residence for a single family, including mobile homes and condominiums. Multiple family dwellings are defined as duplexes, triplexes and apartments.

c. Single family dwelling unit (SFDU) equivalents other than flow and strength factors designated in (a) above which may be used to determine connection charges are:

1. 1,500 sq ft - one single family dwelling unit.

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2. 20 plumbing fixture units (fu) as outlined in the Uniform Plumbing Code - one SFDU.

3. Other connection charges, such as large dischargers or those with higher than average strength sewage will be determined on a case by case basis, calculated to the nearest single family dwelling unit equivalent or portion thereof.

d. In using the equivalent units in (c) above, the most equitable method will be used to determine peak flows.

B. EXISTING STRUCTURES (NOT CONNECTED)

Special rates for connection charges for specific areas or specific cases may be made by resolution of the City Council where special conditions warrant such action by reason of hardship or inequities, or if judged by the City Council to contribute to the general good or betterment of the community.

C. DEMOLISHED STRUCTURES

a. If a structure is demolished and rebuilt for the same use within five years, and there is no expected increase in the discharge of sewerage, no additional connection fee will be charged.

b. A connection fee credit for the prior use will be given for the reconstruction of demolished structures on a declining basis as follows:

New building permit within 5 years of demolition	100% Credit
New building permit within 6 years of demolition	80% Credit
New building permit within 7 years of demolition	60% Credit
New building permit within 8 years of demolition	40% Credit
New building permit within 9 years of demolition	20% Credit
New building permit anytime after 9 years have passed	0% Credit

D. REMODELED STRUCTURES OR CHANGE IN USE

Structures remodeled or changed from former use will be charged the current connection fee in SFDU equivalents at the time of commencement of remodeling or new use, for any increase in expected discharge of SFDU equivalents or portions thereof, with credit given for any previous connection fees paid, upon proof of payment.

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E. CONNECTION FEES

Connection fees will be set for all user classes and adjusted from time to time by resolution of the City Council.

A 3-1/2 percent administrative fee will be assessed on all connection fees.

NOTE: Should connection to the City sewer system require a saddle tap to be made by City forces, there will be an additional charge of $210.00. If other than saddle tap connection must be made (i.e., Y connection), work done by City forces will be billed at cost plus standard overhead.

VII. PRETREATMENT/SOURCE CONTROL PROGRAM

Laboratory Fees

A. General Analysis

pH	$ 8.09
Chlorides (Cl), mg/L	14.31
Biochemical Oxygen Demand, 5 days (BOD_5), mg/L	32.32
Chemical Oxygen Demand (COD), mg/L	32.32
Cyanide Total (CN_T), mg/L	41.02
Cyanide Amendable to Chlorination (CN_A), mg/L	68.38
Oil and Grease (O/G), mg/L	32.32
Total Suspended Solids (TSS), mg/L	14.31
Settleable Solids, ml/L	8.09
Total Dissolved Solids (TDS), mg/L	14.31

B. Metal Analysis

Sample Preparation	
Aqueous (includes pH)	$22.38
Sludge or Soil	27.36
Aluminum, mg/L	24.86
Arsenic, mg/L	41.02
Cadmium, mg/L	16.79
Chromium, Total mg/L	16.79
Copper, mg/L	16.79
Iron, mg/L	16.79
Lead, mg/L	16.79
Mercury	43.51
Nickel, mg/L	16.79
Selenium, mg/L	41.02
Silver, mg/L	16.79
Zinc, mg/L.	16.79

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Any other Laboratory analyses performed will be billed on an estimate of actual costs involved. All prices listed do not include monitoring charges.

VIOLATION CHARGES

Fines may be assessed for pretreatment violations in accordance with S.M.C. Sections 7-091.7 and/or 7-091.8. There may be assessed a $1000.00 minimum fine for all violations.

Any violation of compliance schedule milestones, or enforcement order, for starting construction, completing construction, and attaining final compliance by 90 days or more after the schedule date will be assessed a minimum fine of $100.00/day from the milestone date.

Any failure to provide reports for compliance schedules, self-monitoring data, or categorical standards (baseline monitoring reports, 90 day compliance reports, and periodic reports) within 30 days from the due date will be assessed a minimum fine of $100.00/day from the due date.

NONCOMPLIANCE

Definition of Significant Noncompliance (SNC)

The following definitions and block decision tree represents the City of Stockton's Pretreatment Enforcement Response:

Any violation of pretreatment requirements (limits, sampling, analysis, reporting and meeting compliance schedules, and regulatory deadlines) is an instance of noncompliance for which the industrial user is liable for enforcement, including penalties. Instances of SNC are industrial user violations which meet one or more of the following criteria:

1. Violations of wastewater discharge limits

   a. Chronic Violations. Sixty-six percent or more of the measurements exceed the same daily maximum limit or the same average limit in a six month period (any magnitude of exceedance).

   b. Technical Review Criteria (TRC) Violations. Thirty-three percent or more of the measurements exceed the same daily maximum limit or the same average limit by more than the TRC in a six month period.

   There are two groups of TRCs:

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Group I for conventional pollutants (BOD, TSS, fats, oil, and grease)	TRC = 1.4
Group II for all other pollutants	TRC = 1.2

c. Any other violation(s) of an effluent limit (average or daily maximum) that the Director believes has caused or could cause, alone or in combination with other discharges, interference (e.g. slug loads) or pass-through, or endangered the health of the sewage treatment personnel or the public.

d. Any discharge of a pollutant that has caused imminent endangerment to human health/welfare, or to the environment and has resulted in the POTW's use of its emergency authority to halt or prevent such a discharge.

2. Violations of compliance schedule milestones, contained in a local control mechanism or enforcement order, for starting construction, completing construction, and attaining final compliance by 90 days or more after the schedule date.

3. Failure to provide reports for compliance schedules, self-monitoring data, or categorical standards (baseline monitoring reports, 90 day compliance reports, and periodic reports) within 30 days from the due date.

4. Failure to accurately report noncompliance.

5. Any other violation or group of violations that the Director considers to be significant.

ESCALATING ENFORCEMENT RESPONSE GUIDE

VIOLATION TYPE/NATURE	ENFORCEMENT RESPONSE[1]	PERSONNEL
Discharge Limit - City or Self-Monitoring		
Isolated	NOV Q Fine[2]	ECO
Recurring	NOV Q fine[3]	ECO
Chronic	AO Q fine	D

[1] Actions are listed in order of escalation value with corresponding personnel involvement.

[2] Fines for isolated discharge violations may be imposed dependent on: the severity of the violation, recent history of noncompliance, duration of noncompliance, and good faith and commitment.

[3] Fines for all violations will escalate in accordance with severity of violation, harm to POTW, and economic benefit to violator, up to the maximum amount allowed by state and local laws.

	Compliance Schedule[4]	D
	Show Cause O fine	D/CA
	Cease and Desist Q fine	D/CA
	Temporary Suspension	D/CA
	Termination	D/CA
	Civil Action	D/CA/DA
Unpermitted/	Phone call & NOV	ECO
Nonpermitted	NOV © fine	S
DischargeCease & Desist	D	
	Termination	D/CA
	Civil Action	D/CA/DA
Dilution in lieu	AO & fine	D
of treatment	Compliance Schedule	
Discharge Limit		
SNC	Cease and Desist[3,5]	D/CA/DA
	& Fine	
Shock load	Termination	D/CA/DA
Gross Contamination	Civil Action	D/CA/DA
Bypass		
Health Risk		
Hazardous		
Noncompliance		
Monitoring		
Failure to	Phone call & NOV	ECO
Improper	NOV & fine	S
	AO & fine	D
	Show Cause & Fine	D/CA
	Cease and Desist	D/CA
	Termination	
Tampering	Cease and Desist	D/CA
	Termination	D/CA
	Civil Action	D/CA/DA
Compliance Schedule	Show Cause & fine	D
Milestone dates	Cease and Desist	D/CA
	Termination	

[4] Dischargers that continue to violate during the Compliance Schedule period will be fined, but the Director may hold the fines in abeyance pending successful completion of the Compliance Schedule. This may done for existing industries only. New industries must be in compliance upon commencement of operation.

[5] Publish annually in newspaper

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Reporting		
Late	Phone call & NOV <5 Days	ECO
Improperly signed	NOV & fine	S
Incomplete	AO & fine	D
Changed discharge	Show Cause & fine	D/CA
Spill	Cease and Desist	D/CA
	Termination	
Falsification	Cease and Desist	D
	Termination	D/CA
	Civil Action	D/CA/DA
Inspection Violations		
Entry Denial	Phone call & NOV	S
	Obtain warrant	D/CA/DA
Records Denial	Phone call & NOV	S
Review	Obtain warrant	D/CA/DA
Copies		
Nonpayment		
Fines uncontested or upheld through Appeal (9O day late)	Temp. Suspension	D/CA/DA

Definitions

1. ECO - Environmental Control Officer
2. S - Technical Services Supervisor
3. D - Director of Municipal Utilities
4. CA - City attorney
5. DA - San Joaquin County District Attorney
6. CO - Correction Order
7. VO - Violation Order
8. AO - Administrative order
9. Fine - Monetary penalty assessed by the Control Authority officials.
10. POTW - Publicly Owned Treatment Works

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11. Show Cause - Formal meeting requiring the violator to appear and demonstrate why the Control Authority should not take a proposed enforcement action against it. The meeting may also serve as a forum to discuss corrective actions and compliance schedules.

12. Cease and Desist - A formal order requiring a user to stop violating a Discharge Permit limit.

13. Termination - A formal order requiring a user to stop discharging process or other wastewater to the sanitary sewer.

14. Hazardous - As defined in 40 CFR Part 261.3 or California Administrative Code Title 22 Article 11.

15. Shock load - Any Discharge to the sanitary sewer that has caused interference or pass-through at the POTW, or has caused the POTW to violate its Waste Discharge Requirements.

16. Temporary Suspension - The temporary suspension of sewer service pending successful completion, installation, demonstration of treatment equipment or payment of fines.

17. Gross Contamination - Any discharge to the sanitary sewer that has caused, or has ability to cause, the POTW to violate its Waste Discharge Requirements.

18. Bypass - To intentionally discharge wastewater to the sanitary sewer without pretreatment as specified by a Wastewater Discharge Permit.

19. Health Risk - To discharge wastewater or other materials to the sanitary sewer that is an immediate health threat to the POTW or the public at large.

20. Isolated - A single violation of a discharge limit in a six month period.

21. Recurring - A second violation of the same discharge limit in a six month period.

21. Chronic - Three or more violations of the same discharge limit in a six month period.

TIMEFRAMES FOR ENFORCEMENT RESPONSES

1. All violations will be identified and documented within five days of receiving compliance information.

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2. Initial enforcement responses [involving contact with the industrial user and requesting information on corrective or preventative action(s)] will occur within 30 days of violation detection.

3. Follow up actions for continuing or recurring violations will be taken within 60 days of the initial enforcement response.

4. Violations which threaten health, property or environmental quality are considered emergencies and will receive immediate responses.

5. All violations meeting the criteria for significant noncompliance will be addressed with an enforceable order within 30 days of the identification of significant noncompliance.

CITY OF STOCKTON ENFORCEMENT RESPONSE PLAN

1. Investigation of noncompliance

   a. On-site inspection

   b. Sampling

   c. Review of self-monitoring reports

   d. Review of correspondence

   e. Flow monitoring

   f. pH monitoring

   g. Dye testing

   h. Interviews

   i. Surveillance

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CITY OF STOCKTON
Municipal Utilities Department

2014
PRETREATMENT PROGRAM ANNUAL REPORT

ATTACHMENT D

Pretreatment Program Funding

2014 PRETREATMENT PROGRAM FUNDING

	Total Hours	Hourly Rate	Total
ENVIRONMENTAL CONTROL STAFF			
Technical Services Supervisor (1)	1,560	$68.63	$107,063
Sr. Environmental Control Officer (1)	1,560	$49.36	$77,002
Environmental Control Officer (2)	3,120	$42.96	$134,035
SUPPORT STAFF			
Office Specialist	1,560	$41.53	$64,787
ADMINISTRATIVE STAFF			
Director	104	$116.75	$12,142
Assistant Director	104	$100.03	$10,403
Regulatory Compliance Officer	208	$53.49	$11,126
VEHICLES (4)			$5,968
FUEL / TRAVEL			$19,209
INDIRECT COSTS			$835,015

TOTAL PRETREATMENT PROGRAM FUNDING	**$1,276,750**

CITY OF STOCKTON
Municipal Utilities Department

2014
PRETREATMENT PROGRAM ANNUAL REPORT

ATTACHMENT E

Wastewater Discharge Permit Application

CITY OF STOCKTON

MUNICIPAL UTILITIES DEPARTMENT
REGIONAL WASTEWATER CONTROL FACILITY
2500 NAVY DRIVE
STOCKTON, CA 95206
(209) 937-8750 PHONE
(209) 937-8702 FAX

WASTEWATER DISCHARGE PERMIT
PART A – APPLICATION

Return the completed application by: _____

A1. Applicant Business Name: _____

A2. Address of premise discharging wastewater:

_____
Street City Zip

A3. Business/Mailing Address:

_____
Business Address City Zip

_____
Mailing Address City Zip

A4. Chief Executive Officer:

_____ _____
Name Title

_____
Mailing Address City State Zip

_____ _____ _____
Phone (Office) Phone (Cell) Phone (Fax)

A5. Person to be contacted about this application:

_____ _____
Name Title

_____ _____ _____
Phone (Office) Phone (Cell) Phone (Fax)

A6. Person to be contacted in case of emergency:

_____ _____
Name Title

_____ _____
Day Phone Night Phone

A7. CERTIFICATION: I certify that the information above and on the following parts are true and correct to the best of my knowledge.

_____ _____
Signature Date

_____ _____
Print Name Title

INSTRUCTIONS FOR COMPLETING PART B:

General Instructions – Type or print the information. A separate Part B is to be completed for each major business activity. Examples of major business activities are: paint manufacturing, metal plating, food canning, etc.

B1. Business Activity – Describe the principal activity on the premise. For the purpose of completing this Part, an activity is a major business class of manufacture (see Examples above). Enter the Standard Industrial Classification (SIC) Code Number, as found in the 1972 Edition of the Standard Industrial Classification Manual prepared by the Executive Office of the President, Office of Management and Budget, which is available from the Government Printing Office at Washington, D.C. or at San Francisco, California – DO NOT USE PREVIOUS EDITION OF THE MANUAL. Copies are also available for examination at most public libraries.

(a) Product – List the types of products, giving the common or brand name and the proper or scientific name. Enter from your records, the average and maximum daily amounts produced for this activity for the previous calendar year, and the estimated production for this calendar year. Attached additional pages if necessary.

(b) Description – Describe the wastewater generating process occurring on the premises, including any seasonal variation in wastewater discharge volumes, plant operations, raw materials and chemicals used in process and/or production.

EXAMPLE: At this location we manufacture paints, by a dispersion process in which pigments (magnesium silicates, iron oxides, titanium dioxide and organic pigments) are incorporated into a liquid media consisting of binders (alkyd, phenolic vinyl, acrylate and polyether) and thinners (acetate, aliphatic and/or aromatic hydrocarbons as well as water). All raw materials are purchased from an outside supplier. Production is uniform throughout the year. Wastewater is generated for discharge to the community sewer from the washing of the mixing vats. Consequently, all raw materials and products can find their way into the community sewers.

(c) Substance Proposed to be Discharged – Give common (brand names) and technical names (chemical, scientific or proper names) of any materials and products proposed to be discharged to the sewer. Under "description", briefly describe the physical and chemical properties of each substance.

B2. Discharge Period

(a) Enter the hours of the day during which waste from this Business Activity will be discharged to the sewer, e.g. from 0600 to 1700 hours (not 6 a.m. to 5 p.m.).

(b) Circle the days of the week that the wastewater discharge from this activity occurs.

B3. Variation in Operation

Indicate whether the business activity is continuous through the year or if it is seasonal. If the activity is seasonal, circle the months of the year during which discharge occurs. Make any comments you feel are required to describe the variation in operation of your business activity.

B4. Other Liquid Wastes

List the type and volume of liquid wastes removed from the premises other than by the community sewer. Under description, indicate the type of materials (scientific and common names) in the waste. Also, in the column headed "REMOVED BY", write the name and address of the company that hauls this material. If you do your own removal and disposal, indicate by writing your "Business Name".

CITY OF STOCKTON

MUNICIPAL UTILITIES DEPARTMENT
REGIONAL WASTEWATER CONTROL FACILITY
2500 NAVY DRIVE **(209) 937-8750 PHONE**
STOCKTON, CA 95206 **(209) 937-8702 FAX**

WASTEWATER DISCHARGE PERMIT
PART B – BUSINESS DESCRIPTION

Purpose – The Business Description is primarily used to determine substances which may enter into the wastewater discharge from the Business Activity. The production quantities are necessary for State and Federal Reports.

B1. Business Activity – (Complete a separate Part B for each major business activity occurring on the premise.)
ACTIVITY _____ SIC ☐☐☐☐
(a) Product:

	QUANTITIES					
	PAST CALENDAR YEAR			EST THIS CALENDAR YEAR		
	Amount		Units	Amount		Units
TYPE OF PRODUCTS (Brand Name)	Avg	Max		Avg	Max	

(b) Description – Describe the wastewater generating operations. Indicate variations in production and operations during the year (Use additional sheets as necessary).

_____
_____
_____
_____
_____
_____
_____

(c) Substances Proposed to be Discharge – Give common and technical names of any materials or project proposed to be discharged to the sewer. Briefly describe the physical and chemical properties of each substance and product.

NAME	DESCRIPTION

B2. Discharge Period
(a) Discharge occurs daily: from _____ to _____
(b) Circle the days of the week that the discharge occurs: S M T W T F S
(c) Proposed start date _____

B3. Variation of Operation
Indicate whether the business activity is:
Continuous throughout the year, or
Seasonal – Circle the months of the year during which discharge occurs:
J F M A M J J A S O N D

Comments: _____
_____
_____

B4. Other Liquid, Solid or Semi-Solid Wastes – List the type and volume of liquid waste removed from the premises by means other than community sewers and disposal site (Add sheets as necessary).

DESCRIPTION	VOLUME (gal/mo)	REMOVED BY (name & address)	DISPOSAL SITE

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(209) 937-8702 FAX

WASTEWATER DISCHARGE PERMIT
PART C – SCHEMATIC FLOW DIAGRAM

Purpose – The Schematic Flow Diagram shows the **flow pattern of products through the facility** and the **various sources of wastewater**. This information will enable the City of Stockton to assess the quality, volume, and peak flows of the discharge.

Schematic Flow Diagram – For each major activity in which wastewater is generated, draw a diagram of the **flow of materials** and **water** from start to completed product, showing all unit processes generating wastewater. Number each unit process having discharges to the community sewer. Use these numbers when showing this unit process in the building layout in Part D.

CITY OF STOCKTON

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(209) 937-8702 FAX

WASTEWATER DISCHARGE PERMIT
PART D – BUILDING AND SITE PLUMBING LAYOUT

The Building and Site Plumbing Layout shows all wastewater piping, pretreatment process, sample points, storm drains, water lines, backflow preventers, water meters, and all other piping that transfer process liquids, product, or waste. This layout will enable the City of Stockton and the Applicant to identify all piping on the site.

Draw to scale (or provide a separate drawing to scale) the location of each building, all piping and equipment listed above, and numbered unit processes (from Part C). Number each building sewer.

INSTRUCTIONS FOR COMPLETING PART E:

General Instructions – Type or print the information. Part E is to be completed by all dischargers who require a permit.

E1. Water Use and Disposition – Indicate water received and wastewater discharged in gallon per day for the preceding year. Specify in space provided the name of the agency providing primary water service.

The total supply should be checked using recent water bills to verify the amounts shown. If supply is not metered, show detailed estimate on separate sheet.

E2. Number of Employees – Enter the average number of office and production employees at the premises daily during the preceding year. If there is more than one shift per day, enter the average number of employees per shift and the duration.

E3. Source of Wastewater Discharged – Item E3 shows the percentage of source water on each water meter used for computing the sewage disposal charge.

Step 1 Enter the number of each meter (municipal and private) serving the premise.

Step 2 For each meter enter the percentage of water discharged to each building sewer. If you have more than one building sewer, show on a separate page the method and calculations used to determine the proportioning to the side sewers.

Step 3 Enter the total percentage discharged to all building sewers for each water meter by adding the figures in each building sewer column.

CITY OF STOCKTON

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WASTEWATER DISCHARGE PERMIT
PART E – WATER SOURCE AND USE

Purpose – The Water Source and Use information will enable the City of Stockton to determine the volumes and sources of wastewater discharged to the community sewer.

E1. Water Use and Disposition – Average quantity of water received and wastewater discharged daily.
NOTE: Show on separate sheet the method and calculations used to determine the quantities on table.

	SUPPLY FROM			DISCHARGED TO		
		Other (1)		Comm Sewer	Other (2)	
WATER USED FOR:	gal/day	gal/day	Source	gal/day	gal/day	Dischrg To
Sanitary						
Processes						
Boiler						
Cooling						
Washing						
Irrigation						
Product						
Other (3)						
TOTAL						

Notes:
(1) Enter the quantity and the appropriate code letter indicating the source:
a. Well b. Creek c. Estuary d. Bay e. Stormwater f. Reclaimed Water
(2) Enter the quantity and the appropriate code letter indicating the discharge point:
a. Well b. Creek c. Estuary d. Bay e. Stormdrain f. Rail, Truck, Barge g. Evaporation h. Product
(3) Describe: _____

E2. Number of Employees

	OFFICE		PRODUCTION (number of employees per shift)					
	No.	Hours	DAY SHIFT		SWING SHIFT		NIGHT SHIFT	
			No.	Hours	No.	Hours	No.	Hours
WEEKDAY								
SATURDAY								
SUNDAY								

E3. Source of Wastewater Discharged

WATER METER NUMBER	Percent (%) Discharged to Building Sewer				TOTAL % DISCHARGED TO ALL SEWERS
	SEWER 1	SEWER 2	SEWER 3	SEWER 4	

INSTRUCTIONS FOR COMPLETING PART F

General Instructions – Type or print the information Part F is to be completed by all businesses who require Wastewater Strength Determination. **Use a separate sheet for each building sewer** that discharges wastewater to a community sewer. (NOTE: A building sewer is a sewer conveying the wastewater of a discharger from a building or structure to a community sewer.)

F1. Building Sewer No. – Enter the building sewer number for which this sheet or Part F has been completed. Use the same number as shown on PART D.

F2. Wastewater Flow Rate – Estimate the maximum daily 7 day average and 30 day average wastewater discharge rate from the premise. The maximum daily rate is the greatest flow which might be discharged in any one work day. The 7 day average is the total flow for seven work days divided by seven. The 30 day average is the total flow for thirty work days divided by thirty. A season is defined as a period of one month or longer. Hourly and daily water supply meter readings may be used, provided the filling and discharge of storage tanks, process vats, etc., are taken into consideration.

F3. Batch Discharge – A batch discharge is one which results from the draining of storage tanks or process tanks; intermittent boiler blowdown, etc. to the building sewer.

a. Enter the number of batch discharges per month during the operating season of maximum flow.

b. Enter the days of the week the discharge occurs and the times of the day the discharge usually occurs.

c. Enter the average gallons discharged during each batch discharge operation.

d. Enter the rate of flow in the side sewer from the batch discharges.

(i.e. Rate of flow from the batch discharge $= \dfrac{\text{No. of gallons in batch discharge}}{\text{duration for a single discharge}}$)

F4. Wastewater Constituents – Indicate, by checking the appropriate box, if your wastewater discharge contains any of the indicated constituents, characteristics, or substances as a result of the raw materials, processes or products used. Identify the algicides, hydrocarbons, pesticides, solvents, and radioactivity discharged, if any, in the wastewater.

INSTRUCTIONS FOR COMPLETING PART F (Continued)

F5. Wastewater Strength Estimates – Enter the maximum daily, 7 day average and 30 day average concentration of each of the indicated elements of wastewater strength for this building sewer. The average strength should approximate the 24 hour flow-composited strength during the time period divided by the number of days.

The "Maximum Daily" is the maximum concentration that would be measured in any grab sample taken at any time during any day from this building sewer.

The "Chlorine Demand" of a wastewater is the amount of chlorine required to produce a free chlorine residual of 0.1 mg/1 after a contact time of 15 minutes as measured by the Iodometric Method on a sample at a temperature of 20°C in conformance with the Standard Method.

F6. Pollution Abatement Practices.

a. Wastewater Pretreatment.

Check the type of treatment, if any, given the wastewater from this building sewer before it is discharged to the community sewer.

b. Planned Wastewater Treatment Improvements.

Attach additional sheets to show details of treatment or changes in wastewater disposal methods planned or under construction.

F7. Stormwater Area – Enter an estimate of the total area (in square feet) which collects and discharges stormwater to the building sewer (include roof and ground level areas.)

CITY OF STOCKTON

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REGIONAL WASTEWATER CONTROL FACILITY
2500 NAVY DRIVE **(209) 937-8750 PHONE**
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WASTEWATER DISCHARGE PERMIT
PART F – BUILDING SEWER DISCHARGE

Purpose – The Building Sewer Discharge information will identify the variation in flow rate and the type of constituents and characteristics of the discharge for each side sewer.

F1. Building sewer No. _____ (From Part D)

F2. Wastewater Flow Rate

Maximum Daily		7 Day Average		30 Day Average		IF OPERATIONS ARE SEASONAL AVERAG DAILY (GALLONS/DAY)			
gallons		gallons		gallons		seasonal min		seasonal max	
A		B		C		D		E	

F3. If Batch Discharge, Indicate:
a. Number of batch discharges: _____ per month.
b. Time of batch discharges: _____, _____, _____, at ____, _____, _____.
(Days of Week) (Hours of Day)
c. Average quantity per batch: _____ gallons.
d. Flow Rate: _____ gallons/minute.

F4. Wastewater Constituents – Indicate if any of the following constituents, characteristics or substances is or can be present (X) in your wastewater discharge as a result of your operations.

CODE	CONSTITUENTS		CODE	CONSTITUENTS		CODE	CONSTITUENTS	
ALGC	Algicides*		FORMA	Formaldehyde		RAD	Radioactivity*	
AL	Aluminum		HC	Hydrocarbons*		SE	Selenium	
NH3N	Ammonia		I-	Iodide		AG	Silver	
SB	Antimony		FE	Iron		NA	Sodium	
AS	Arsenic		PB	Lead		SOLV	Solvents*	
BA	Barium		MG	Magnesium		SO4	Sulfate	
BE	Beryllium		MN	Manganese		S=T	Sulfide	
B	Boron		HG	Mercury		SO3	Sulfite	
BR-	Bromide		MO	Molybdenum		MBAS	Surfactants MBAS	
CD	Cadmium		NI	Nickel		TEMP	Temperature	
CA	Calcium		O&G M	Oil & Grease (Min Orig)				
CL2	Chlorine		O&G T	Oil & Grease (Total)		TI	Thallium	
CL-	Chloride		PESTC	Pesticides*		SN	Tin	
CR	Chromium		PH	pH Increase (+)		V	Vanadium	
CO	Cobalt		PH	pH Decrease (-)		TVA	Volatile Acids	
CU	Copper		PHENL	Phenols		ZN	Zinc	
CN	Cyanide		P	Phosphorus		N	Total Nitrogen	
F-	Fluoride		K	Potassium		C	Cresols*	

*Identify the Chemical Compounds or Elements

_____
_____
_____
_____
_____

Comments: _____
_____

PART F – BUILDING SEWER DISCHARGE
(Continued)

F5. Wastewater Strength Estimates – Enter the average annual and maximum wastewater strength for this building for each of the following elements of wastewater strength for the period covered by the Permit.

ANY SIGNIFICANT DEVIATION FROM THESE VALUES CAN RESULT IN TERMINATION OF THE PERMIT.

ELEMENTS OF WASTEWATER STRENGTH	UNIT	CODE	MAX DAILY	7 DAY AVG	30 DAY AVG
Suspended Solids	mg/l	TSS			
Total Chemical Oxygen Demand	mg/l	CODT			
Filtered Chemical Oxygen Demand	mg/l	CODF			
Oil and Grease	mg/l	O&GT			
Chlorine Demand (See Instructions)	mg/l	CL2D			
Biochemical Oxygen Demand	mg/l	BOD			
Total Organic Carbon	mg/l	TOC			
Total Disolved Solids	mg/l	TDS			

If data from a commercial laboratory was used to determine the values, please give the name and address of the laboratory.

Name _____ Address _____ Zip _____

F6. Pollution Abatement Practices

a. Wastewater Pretreatment – Check the type of treatment, if any, given wastewater from this building sewer before it is discharged to the community sewer:

☐none ☐holding tank ☐grease trap ☐oil & water separator ☐grinding

☐sedimentation ☐pH Adjustment ☐biological treatment ☐chlorination ☐other

Description:
Describe the loading rates, design capacity, physical size, etc. of each pretreatment facility checked above.

_____

b. Planning Wastewater Pretreatment Improvements – Describe any changes in treatment or disposal methods planned or under construction for the wastewater carried by this building sewer.

_____

F7. Stormwater Area

Total Area in square feet exposed to storm water and draining to this building sewer:

_____Square feet

CITY OF STOCKTON
Municipal Utilities Department

2014
PRETREATMENT PROGRAM ANNUAL REPORT

ATTACHMENT F

Significant Industrial Users
and
Summary of Compliance and Enforcement Activities

Yr.	Qtr.	#	Parameter	Limit	Analysis	SNC	Inspection	Enforcement
Name: Advanced Industrial Coatings, Inc. **Address:** 950 Industrial Dr., Stockton, CA 95206 **Contact:** Ron Cymanski, President **Phone:** (209) 234-2700 **Business Activity:** Parts finishing and coating **Limitations:** 40 CFR 433 **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 0 **Number of Samples taken by POTW during Calendar Year:** 0 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** ZERO								
Name: Advanced Refreshment (now Niagara Bottling, LLC) **Address:** 811 Zephyr St., Stockton, CA 95206 **Contact:** Jeff Daniel, Plant Manager **Phone:** (209) 983-8436 **Business Activity:** Water bottling **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 93 **Number of Samples taken by POTW during Calendar Year:** 24 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** EQUAL, PH, RO								
14	1	1	TDS, mg/L	1,000 (local limit)	1,600		Yes	NOV, CO and $1,000 fine.
Name: Aero Turbines, Inc. **Address:** 6800 Lindbergh St., Stockton, CA 95206 **Contact:** Douglas Clayton, President **Phone:** (209) 983-1112 **Business Activity:** Jet engine repair **Limitations:** 40 CFR 433 **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 0 **Number of Samples taken by POTW during Calendar Year:** 0 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** ZERO								
Name: American Sunny Foods, Inc. **Address:** 2404 Stagecoach Rd., Stockton, CA 95215 **Contact:** Mariko Arao, General Manager **Phone:** (209) 943-0143 **Business Activity:** Rice milling **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 490 **Number of Samples taken by POTW during Calendar Year:** 48 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** BIOL, COAG, DH20, FLOC, OXID, PH								

Yr.	Qtr.	#	Parameter	Limit	Analysis	SNC	Inspection	Enforcement
Name: Angelica Corporation **Address:** 1145 S. Sierra Nevada St., Stockton, CA 95205 **Contact:** Steve Sanchez, Chief Engineer **Phone:** (209) 941-4327 **Business Activity:** Commercial laundry **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 0 **Number of Samples taken by POTW during Calendar Year:** 0 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** N/A (Out of business)								
Name: Applied Aerospace Structures Corp. **Address:** 3437 S. Airport Way, Stockton, CA 95206 **Contact:** Lon Kitagawa, Environmental Coordinator **Phone:** (209) 983-3339 **Business Activity:** Aircraft and spacecraft parts manufacturing **Limitations:** 40 CFR 433 **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 142 **Number of Samples taken by POTW during Calendar Year:** 66 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** COAG, CR, DH20, FLOC, P/S, PH								
Name: ASCO Power Technologies, LP **Address:** 705 N. Carlton Ave, Stockton, CA 95203 **Contact:** Bill Venkus, Manufacturing Engineer **Phone:** (209) 941-5268 **Business Activity:** Electrical switchgear manufacturing **Limitations:** 40 CFR 433 **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 78 **Number of Samples taken by POTW during Calendar Year:** 52 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** FILT, FLOC, PH, P/S, DH20								
Name: B&C Painting Solutions, Inc. **Address:** 107 Val Dervin Pkwy, Stockton, CA 95203 **Contact:** Gary Maggard, President **Phone:** (209) 982-0422 **Business Activity:** Parts finishing and painting **Limitations:** 40 CFR 433 **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 0 **Number of Samples taken by POTW during Calendar Year:** 0 **Total Toxic Organics Certifications Provided during Calendar Year:** YES **Wastewater Treatment and Control Processes:** ZERO								

Yr.	Qtr.	#	Parameter	Limit	Analysis	SNC	Inspection	Enforcement
Name: Boretec Resource Recovery Engineering, LLC **Address:** 1820 Industrial Dr., Stockton, CA 95206 **Contact:** Paul Ou, Plant Manager **Phone:** (209) 373-2588 **Business Activity:** Plastics recycling **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 0 **Number of Samples taken by POTW during Calendar Year:** 0 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** BIOL, UF, RECYL, ZERO								
Name: California Health Care Facility - State of California, Dept. of Corrections and Rehabilitation **Address:** 7707 South Austin Rd., Stockton, CA 95215 **Contact:** Paul Sahota, Plant Manager **Phone:** (209) **Business Activity:** State correctional institution medical facility **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 14 **Number of Samples taken by POTW during Calendar Year:** 52 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** PH, EQUAL								
13	3-4	1	Monitoring	Failure to properly monitor wastewater discharge (semi-annual flow meter calibration).			Yes	NOV, CO
14	1	1	Monitoring	Failure to properly monitor wastewater discharge (pH).			Yes	NOV, CO
Name: California Spray Dry Co. **Address:** 4221 E. Mariposa Rd., Stockton, CA 95215 **Contact:** Tony Ketner, Operations Manager **Phone:** (209) 948-0209 **Business Activity:** Rendering **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 985 **Number of Samples taken by POTW during Calendar Year:** 52 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** EQUAL, FLOC, FLOT, PH, SCRN								
13	4	1 6 2	pH	7 - 12 (local limit)	< 7		Yes Yes Yes	NOV, CO and $3,000 fine. NOV, CO and $4,000 fine. Appealed- denied. NOV, CO and $4,000 fine. Appealed- denied.
13	4	1 6 2	Notification	Failure to notify City of pH violations within 24 hours.		Yes Yes Yes	Yes Yes Yes	NOV, CO and $1,000 fine. NOV, CO and $4,000 fine. Appealed- denied. NOV, CO and $5,000 fine. Appealed- denied.
14	1	1 8	Monitoring	Failure to properly monitor wastewater discharge (composite sample). Failure to properly monitor wastewater discharge (pH).			Yes Yes	NOV, CO NOV, CO
14	1	6 6	pH	7 - 12 (local limit)	< 7		Yes Yes	NOV, CO and $5,000 fine. NOV, CO and $6,000 fine.

Yr.	Qtr.	#	Parameter	Limit	Analysis	SNC	Inspection	Enforcement
Name: California Tank Lines, Inc. **Address:** 3105 S. El Dorado St., Stockton, CA 95206 **Contact:** Jack Bishop, Environmental Manager **Phone:** (209) 466-6324 **Business Activity:** Truck washing **Limitations:** 40 CFR 442 **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 605 **Number of Samples taken by POTW during Calendar Year:** 57 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** COAG, FLOC, O/W, PH								
14	2	1	Chromium, mg/L	5.0 (local limit)	7.5		Yes	NOV, CO
Name: Campbell Soup Supply Co. **Address:** 760 Industrial Dr., Stockton, CA 95206 **Contact:** Scott Smothermon, Plant Manager **Phone:** (209) 982-4586 **Business Activity:** Tomato processing **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 364 **Number of Samples taken by POTW during Calendar Year:** 36 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** DH20, FLOC, FLOT, PH, SCRN								
14	3	1	TSS, lbs./mo.	230,000 (local limit)	295,185		Yes	NOV, CO
Name: ChemStation of Northern California **Address:** 713 E. Luce Ave., Stockton, CA 95201 **Contact:** Matthew Mascara, General Manager **Phone:** (209) 943-7478 **Business Activity:** Detergent manufacturing **Limitations:** 40 CFR 417 **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 34 **Number of Samples taken by POTW during Calendar Year:** 52 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** PH								
Name: Cintas Corporation **Address:** 1877 Industrial Dr., Stockton, CA 95206 **Contact:** Randy Galvin, General Manager **Phone:** (209) 922-0500 **Business Activity:** Industrial Laundry **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 445 **Number of Samples taken by POTW during Calendar Year:** 68 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** DH20, EQUAL, FLOC, FLOT, PH, RECYL								
14	1	1	pH	8 - 12 (local limit)	< 8		Yes	NOV, CO
14	2	1	Flow, gals./mo.	3,600,000 (local limit)	3,686,430		Yes	NOV, CO
14	2	1	pH	8 - 12 (local limit)	< 8		Yes	NOV, CO

Yr.	Qtr.	#	Parameter	Limit	Analysis	SNC	Inspection	Enforcement

Name: Dameron Hospital
Address: 525 W. Acacia St., Stockton, CA 95203
Contact: Jacob Wiebe, Director of Plant Operations
Phone: (209) 461-3156
Business Activity: Hospital
Limitations: Local
Consistent Compliance: Yes
Number of Samples taken by SIU during Calendar Year: 96
Number of Samples taken by POTW during Calendar Year: 96
Total Toxic Organics Certifications Provided during Calendar Year: N/A
Wastewater Treatment and Control Processes: O/W

Name: Diamond Foods, Inc.
Address: 1050 S. Diamond St., Stockton, CA 95205
Contact: Robert Castro, Engineering Manager
Phone: (209) 471-1946
Business Activity: Nut processing and cogeneration
Limitations: Local
Consistent Compliance: Yes
Number of Samples taken by SIU during Calendar Year: 791
Number of Samples taken by POTW during Calendar Year: 64
Total Toxic Organics Certifications Provided during Calendar Year: N/A
Wastewater Treatment and Control Processes: DH20, FLOT, O/W, PH

13	4	1	O&G (HEM), mg/L	200 (local limit)	220		Yes	NOV, CO
14	1	2	O&G (HEM), mg/L	200 (local limit)	740 355	Yes	Yes Yes	NOV, CO and $1,000 fine. NOV, CO and $2,000 fine.
14	1	1	Notification	Failure to notify City of O&G violation within 24 hours.		Yes	Yes	NOV, CO and $1,000 fine.
14	2	2	O&G (HEM), mg/L	200 (local limit)	440 1,200	Yes	Yes Yes	NOV, CO and $4,000 fine.

Name: Dole Packaged Foods, LLC
Address: 1668 El Pinal Dr., Stockton, CA 95205
Contact: Michael McKague, Director of Operations
Phone: (209) 356-6120
Business Activity: Food processing
Limitations: Local
Consistent Compliance: Yes
Number of Samples taken by SIU during Calendar Year: 162
Number of Samples taken by POTW during Calendar Year: 48
Total Toxic Organics Certifications Provided during Calendar Year: N/A
Wastewater Treatment and Control Processes: EQUAL, PH, /S

13	4	1	pH	5 - 10 (local limit)	< 5		Yes	NOV, CO
14	2	1	Monitoring	Failure to self-monitor for TDS			Yes	NOV, CO

Yr.	Qtr.	#	Parameter	Limit	Analysis	SNC	Inspection	Enforcement

Name: DTE Stockton, LLC (formerly POSDEF Power Co.)
Address: 2526 W. Washington St, Stockton, CA 95203
Contact: Michael Blakey, Plant Manager
Phone: (530) 661-6095
Business Activity: Cogeneration facility - biofuels
Limitations: Local
Consistent Compliance: Yes
Number of Samples taken by SIU during Calendar Year: 305
Number of Samples taken by POTW during Calendar Year: 53
Total Toxic Organics Certifications Provided during Calendar Year: N/A
Wastewater Treatment and Control Processes: PH

Name: DuPont Market, Inc. (dba Grimaud Farms of California)
Address: 1320-A S. Aurora St., Stockton, CA 95206
Contact: Howard Chan, Owner/President
Phone: (209) 466-3200
Business Activity: Poultry processing
Limitations: Local
Consistent Compliance: Yes
Number of Samples taken by SIU during Calendar Year: 200
Number of Samples taken by POTW during Calendar Year: 48
Total Toxic Organics Certifications Provided during Calendar Year: N/A
Wastewater Treatment and Control Processes: PH, O/W

13	4	1	Flow, gals./mo.	800,000 (local limit)	857,297		Yes	NOV, CO
14	4	1	O&G (HEM), mg/L	200 (local limit)	240		Yes	NOV, CO
14	4	1	Flow, gals./mo.	800,000 (local limit)	876,507		Yes	NOV, CO
14	4	1	BOD, lbs./mo.	6,000 (local limit)	6,140		Yes	NOV, CO

Name: Duraflame
Address: 1340 W. Washington St, Stockton, CA 95203
Contact: Lew Watkin, Maintenance Manager
Phone: (209) 932-5077
Business Activity: Fire log manufacturing
Limitations: Local
Consistent Compliance: Yes
Number of Samples taken by SIU during Calendar Year: 88
Number of Samples taken by POTW during Calendar Year: 38
Total Toxic Organics Certifications Provided during Calendar Year: N/A
Wastewater Treatment and Control Processes: PH, /S

Name: ECS Refining, LLC
Address: 2222 S. Sinclair Ave., Stockton, CA 95215
Contact: Beverly Pester Kennedy, EH&S Manager
Phone: (408) 200-7068
Business Activity: Universal waste recycling facility
Limitations: Local
Consistent Compliance: Yes
Number of Samples taken by SIU during Calendar Year: 0
Number of Samples taken by POTW during Calendar Year: 0
Total Toxic Organics Certifications Provided during Calendar Year: N/A
Wastewater Treatment and Control Processes: ZERO

Yr.	Qtr.	#	Parameter	Limit	Analysis	SNC	Inspection	Enforcement

Name: Foodliner, Inc. (formerly B.J.J. Company, LLC)
Address: 2431 E. Mariposa Rd., Stockton, CA 95205
Contact: Steve Hronek, Regional Program Manager
Phone: (209) 941-8361
Business Activity: Truck washing
Limitations: Local
Consistent Compliance: Yes
Number of Samples taken by SIU during Calendar Year: 174
Number of Samples taken by POTW during Calendar Year: 25
Total Toxic Organics Certifications Provided during Calendar Year: N/A
Wastewater Treatment and Control Processes: COAG, DH20, FILT, FLOC, O/W, PH, /S

Name: Hormel Foods Corporation
Address: 1404 S. Fresno Ave., Stockton, CA 95206
Contact: Ken Feldman, Plant Manager
Phone: (209) 943-5411
Business Activity: Meat processing
Limitations: Local
Consistent Compliance: Yes
Number of Samples taken by SIU during Calendar Year: 539
Number of Samples taken by POTW during Calendar Year: 48
Total Toxic Organics Certifications Provided during Calendar Year: N/A
Wastewater Treatment and Control Processes: PH, O/W, SCRN

13	4	2	pH	5 - 10 (local limit)	< 5		Yes	NOV, CO
14	3	1	Monitoring	Failure to properly monitor wastewater discharge (composite sample).			Yes	NOV, CO

Name: Ingredion, Inc. (formerly Corn Products International, Inc.)
Address: 1021 Industrial Drive, Stockton, CA 95206
Contact: Roger Hoffdahl, Manager of Regulatory Affairs
Phone: (209) 982-1920
Business Activity: Liquid sweetener processing
Limitations: Local
Consistent Compliance: Yes
Number of Samples taken by SIU during Calendar Year: 939
Number of Samples taken by POTW during Calendar Year: 64
Total Toxic Organics Certifications Provided during Calendar Year: N/A
Wastewater Treatment and Control Processes: EQUAL, PH

Name: Metalsa S.A. DE C.V. (formerly Dana Structural Manufacturing, LLC)
Address: 1550 Industrial Dr., Stockton, CA 95206
Contact: Victor Merceica, Plant Manager
Phone: (209) 983-6132
Business Activity: Truck frame manufacturing
Limitations: 40 CFR 433
Consistent Compliance: Yes
Number of Samples taken by SIU during Calendar Year: 0
Number of Samples taken by POTW during Calendar Year: 0
Total Toxic Organics Certifications Provided during Calendar Year: N/A
Wastewater Treatment and Control Processes: N/A (Out of business)

Yr.	Qtr.	#	Parameter	Limit	Analysis	SNC	Inspection	Enforcement
Name: Midway Corporate Plaza, LLC (Crosstown Commons) **Address:** 2716 E. Miner Ave., Stockton, CA 95205 **Contact:** Steve Schwartz, Owner Representative **Phone:** (510) 669-0256 **Business Activity:** Wine bottle recycling **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 136 **Number of Samples taken by POTW during Calendar Year:** 49 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** PH, SCRN								
13	4	1	Monitoring	Failure to self-monitor for BOD, TSS and TDS.			Yes	NOV, CO
Name: New Stockton Poultry Market, Inc. **Address:** 302 S. San Joaquin St., Stockton, CA 95203 **Contact:** John Luu, President **Phone:** (209) 466-9505 **Business Activity:** Poultry processing **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 196 **Number of Samples taken by POTW during Calendar Year:** 48 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** FLOT, O/W, SCRN								
14	1	1	Flow, gals./mo.	750,000 (local limit)	869,791		Yes	NOV, CO
14	3	1	Monitoring	Failure to properly monitor wastewater discharge (flow measurement).			Yes	NOV, CO
14	4	1	pH	5 - 10 (local limit)	> 12.5 (hazardous)	Yes	Yes	NOV, CO and $1,000 fine.
Name: Niagara Bottling, LLC **Address:** 1025 Runway Dr., Stockton, CA 95206 **Contact:** Julio Vega, Plant Manager **Phone:** (909) 239-8449 **Business Activity:** Water bottling **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 239 **Number of Samples taken by POTW during Calendar Year:** 48 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** EQUAL, PH, RO								
13	3-4	1	Monitoring	Failure to self-monitor for nine (9) metals.			Yes	NOV, CO
14	1	1	TSS, lbs./mo.	688 (local limit)	855		Yes	NOV, CO
14	2	2	Flow, gals./mo.	4,500,000 (local limit)	4,802,899 5,414,215		Yes Yes	NOV, CO NOV, CO

Yr.	Qtr.	#	Parameter	Limit	Analysis	SNC	Inspection	Enforcement
Name: Niagara Bottling, LLC (formerly Advanced Refreshment) **Address:** 811 Zephyr St., Stockton, CA 95206 **Contact:** Daniel Gorman, Plant Manager **Phone:** (209) 983-8436 **Business Activity:** Water bottling **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 122 **Number of Samples taken by POTW during Calendar Year:** 24 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** EQUAL, PH, RO								
Name: Northern California Youth Correctional Center **Address:** 7650 S. Newcastle Rd., Stockton, CA 95215 **Contact:** Derrick Bowler, Chief of Plant Operations III **Phone:** (209) 944-6513 **Business Activity:** State correctional institution **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 93 **Number of Samples taken by POTW during Calendar Year:** 48 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** PH, EQUAL, SCRN								
14	1	9 4	pH	5 - 10 (local limit)	< 5		Yes Yes	NOV, CO NOV, CO and $1,000 fine.
14	1	9 4	Notification	Failure to notify City of pH violations within 24 hours.		Yes Yes	Yes Yes	NOV, CO and $1,000 fine. NOV, CO and $1,000 fine.
Name: Pacific Ethanol Stockton, LLC **Address:** 3028 Navy Drive, Stockton, CA 95206 **Contact:** Bryon McGregor, CFO **Phone:** (209) 235-0370 **Business Activity:** Ethanol production **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 192 **Number of Samples taken by POTW during Calendar Year:** 51 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** PH, RO								
13	4	3	TSS, lbs./mo.	1,130 (local limit)	1,657 1,952 1,448	Yes	Yes Yes Yes	NOV, CO NOV, CO. Ordered to purchase additional 1,822 lbs. per month TSS capacity.
13	4	1	TDS, mg/L	1,000 (local limit)	1,740		Yes	NOV, CO
13	4	1	TDS, lbs./mo.	30,324 (local limit)	37,632		Yes	NOV, CO
14	1	1	TSS, lbs./mo.	1,130 (local limit)	1,689	Yes	Yes	NOV, CO. Purchased additional 1,822 lbs. per month TSS capacity, effective Feb. 2014.
14	1	1	Monitoring	Failure to properly monitor wastewater discharge (pH).			Yes	NOV, CO
14	1	1	Notification	Failure to notify POTW (within 24 hours) of monitoring equipment malfunctions.		Yes	Yes	NOV, CO and $1,000 fine.

Yr.	Qtr.	#	Parameter	Limit	Analysis	SNC	Inspection	Enforcement
Name: Parsons Engineering Science, Inc. **Address:** 3437 S. Airport Way, Stockton, CA 95206 **Contact:** Fred Kintzer, Project Manager **Phone:** (925) 941-3723 **Business Activity:** Groundwater remediation **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 72 **Number of Samples taken by POTW during Calendar Year:** 14 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** FILT								
Name: Premier Finishing, Inc. **Address:** 7910 S. Longe St., Stockton, CA 95206 **Contact:** Craig Walters, President **Phone:** (209) 982-5585 **Business Activity:** Parts finishing and painting **Limitations:** 40 CFR 433 **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 111 **Number of Samples taken by POTW during Calendar Year:** 48 **Total Toxic Organics Certifications Provided during Calendar Year:** Yes **Wastewater Treatment and Control Processes:** COAG, DH20, FLOC, P/S, PH								
Name: R&B Foods (formerly Unilever Supply Chain, Inc.) **Address:** 1400 Waterloo Rd., Stockton, CA 95205 **Contact:** Ivo Sahagun, Operations Manager **Phone:** (209) 467-2248 **Business Activity:** Tomato processing **Limitations:** Local **Consistent Compliance:** No **Number of Samples taken by SIU during Calendar Year:** 315 **Number of Samples taken by POTW during Calendar Year:** 34 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** DH20, FLOT, PH, /S, SCRN								
14	3	1	Monitoring	Failure to self-monitor for BOD and TSS			Yes	NOV, CO
14	3	1	Monitoring	Failure to properly monitor wastewater discharge (composite sample).			Yes	NOV, CO
Name: Rotor-Tech, International **Address:** 3728 Imperial Way, Stockton, CA 95215 **Contact:** Cecelia Stitt, President & CEO **Phone:** (209) 546-0380 **Business Activity:** Helicopter blade repairing **Limitations:** 40 CFR 433 **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 0 **Number of Samples taken by POTW during Calendar Year:** 0 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** ZERO								

Yr.	Qtr.	#	Parameter	Limit	Analysis	SNC	Inspection	Enforcement
Name: St. Joseph's Hospital **Address:** 1800 N. California St., Stockton, CA 95204 **Contact:** Ken Gomes, Director of Engineering **Phone:** (209) 461-5193 **Business Activity:** Hospital **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 52 **Number of Samples taken by POTW during Calendar Year:** 99 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** PH, O/W								
14	4	1	O&G (HEM), mg/L	200 (local limit)	930		Yes	NOV, CO
Name: San Joaquin County, French Camp Complex **Address:** 1005 W. Mathews Rd., French Camp, CA 95231 **Contact:** Ronald Rall, Utility District Superintendent **Phone:** (209) 468-3091 **Business Activity:** County facilities **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 55 **Number of Samples taken by POTW during Calendar Year:** 48 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** N/A								
14	1	2	BOD, mg/L	250 (local limit)	277 268		Yes Yes	NOV, CO NOV, CO
14	2	1	BOD, mg/L	250 (local limit)	390		Yes	NOV, CO
14	2	1	TSS, mg/L	300 (local limit)	390		Yes	NOV, CO
Name: San Joaquin County, General Hospital **Address:** 500 Hospital Rd., French Camp, CA 95231 **Contact:** Jesse Escotto, Facilities Manager **Phone:** (209) 468-7063 **Business Activity:** Hospital **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 48 **Number of Samples taken by POTW during Calendar Year:** 48 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** BMP, O/W								
Name: Sodexo Laundry Stockton **Address:** 7679 S. Longe St., Stockton, CA 95206 **Contact:** Lynn Dunning, General Manager **Phone:** (209) 982-4955 **Business Activity:** Commercial laundry **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 441 **Number of Samples taken by POTW during Calendar Year:** 27 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** PH, SCRN, RECYL								

Yr.	Qtr.	#	Parameter	Limit	Analysis	SNC	Inspection	Enforcement
Name: Stockton Sanitary Wash Rack **Address:** 1505 Navy Dr., Stockton, CA 95206 (formerly 2313 Navy Dr.) **Contact:** Tony Ketner, Vice President **Phone:** (209) 546-1935 **Business Activity:** Truck washing **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 324 **Number of Samples taken by POTW during Calendar Year:** 48 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** O/W, PH								
14	1	1	Monitoring	Failure to properly monitor wastewater discharge (composite sample).			Yes	CO
14	1	1	BOD, lbs./mo.	50,055 (local limit)	52,336		Yes	NOV, CO
14	2	1	Monitoring	Failure to properly monitor wastewater discharge (composite sample).			Yes	NOV, CO
Name: Sumiden Wire Products Corp. **Address:** 1412 El Pinal Dr., Stockton, CA 95205 **Contact:** Bill Palmer, Plant Manager **Phone:** (209) 466-8924 **Business Activity:** Wire manufacturing **Limitations:** 40 CFR 420 **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 255 **Number of Samples taken by POTW during Calendar Year:** 84 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** PH, RECYL								
Name: Synergy Health North America (formerly Sterile Recoveries, Inc.) **Address:** 6801 Longe St., Stockton, CA 95206 **Contact:** Gary Metz, Plant Manager **Phone:** (209) 982-5800 **Business Activity:** Commercial laundry **Limitations:** Local **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 86 **Number of Samples taken by POTW during Calendar Year:** 48 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** PH, SCRN								
Name: Tankerwash USA **Address:** 743 W. Anderson St., Stockton, CA 95206 **Contact:** Michael Vilarino, Vice President **Phone:** (209) 368-7664 **Business Activity:** Truck washing **Limitations:** 40 CFR 442 **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 299 **Number of Samples taken by POTW during Calendar Year:** 60 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** BIOL, COAG, EQUAL, FLOC, /S								

Yr.	Qtr.	#	Parameter	Limit	Analysis	SNC	Inspection	Enforcement
14	2	1	Monitoring	Failure to self-monitor for TDS.			Yes	NOV, CO
14	3	1	O&G (HEM), mg/L	200 (local limit)	4,800		Yes	NOV, CO
14	3	1	TPH (SGT-HEM), mg/L	100 (local limit)	3,500		Yes	NOV, CO

Name: Trilore Technologies
Address: 4101 Arch Rd., Stockton, CA 95215
Contact: John Collins, CEO
Phone: (925) 295-0734
Business Activity: Aluminum foundry
Limitations: 40 CFR 464.16
Consistent Compliance: Yes
Number of Samples taken by SIU during Calendar Year: 0
Number of Samples taken by POTW during Calendar Year: 0
Total Toxic Organics Certifications Provided during Calendar Year: N/A
Wastewater Treatment and Control Processes: ZERO

Name: Unifirst Corporation
Address: 819 N. Hunter St., Stockton, CA 95202
Contact: Gerald Satterfield, Plant Manager
Phone: (209) 941-8364
Business Activity: Industrial Laundry
Limitations: Local
Consistent Compliance: Yes
Number of Samples taken by SIU during Calendar Year: 462
Number of Samples taken by POTW during Calendar Year: 60
Total Toxic Organics Certifications Provided during Calendar Year: N/A
Wastewater Treatment and Control Processes: COAG, DH20, EQUAL, FLOT, RECYL, SCRN

14	1	1	BOD, lbs./mo.	10,816 (local limit)	11,214		Yes	NOV, CO
14	4	1	Monitoring	Failure to properly monitor wastewater discharge (composite sample).			Yes	NOV, CO
14	4	1	BOD, lbs./mo.	10,816 (local limit)	10,880		Yes	NOV, CO

Name: Union Pacific Railroad
Address: 833 E. Eighth Street, Stockton, CA 95206
Contact: Steven Preston, Environmental Manager
Phone: (209) 942-5211
Business Activity: Railway maintenance
Limitations: Local
Consistent Compliance: Yes
Number of Samples taken by SIU during Calendar Year: 64
Number of Samples taken by POTW during Calendar Year: 46
Total Toxic Organics Certifications Provided during Calendar Year: N/A
Wastewater Treatment and Control Processes: COAG, DH20, FLOC, FLOT, EQUAL, /S

14	1	1	pH	5 - 10 (local limit)	< 5		Yes	NOV, CO
14	1	1	Notification	Failure to notify City of pH violation within 24 hours.		Yes	Yes	NOV, CO and $1,000 fine.

Yr.	Qtr.	#	Parameter	Limit	Analysis	SNC	Inspection	Enforcement
Name: Valimet, Inc. **Address:** 431 Sperry Rd., Stockton, CA 95206 **Contact:** George Campbell, President **Phone:** (209) 444-1607 **Business Activity:** Nonferrous metals forming and metal powders manufacturing **Limitations:** 40 CFR 471.104 **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 0 **Number of Samples taken by POTW during Calendar Year:** 0 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** ZERO								
Name: Value Products, Inc. **Address:** 2128 Industrial Dr., Stockton, CA 95206 **Contact:** Douglas Hall, President **Phone:** (209) 983-4000 **Business Activity:** Soap and detergent manufacturing **Limitations:** 40 CFR 417 **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 92 **Number of Samples taken by POTW during Calendar Year:** 50 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** PH, ZERO								
14	3	1	BOD, lbs./mo.	1,623 (local limit)	1,769		Yes	NOV, CO
Name: Western Square Industries, Inc. **Address:** 1621 N. Broadway, Stockton, CA 95205 **Contact:** Larry Bartko, Plant Engineer **Phone:** (209) 944-0921 **Business Activity:** Metal fabricating, finishing, and painting **Limitations:** 40 CFR 433 **Consistent Compliance:** Yes **Number of Samples taken by SIU during Calendar Year:** 0 **Number of Samples taken by POTW during Calendar Year:** 0 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** ZERO								
Name: Wilmar Oils and Fats (Stockton), LLC **Address:** 2008 Port Road B, Stockton, CA 95203 **Contact:** Walt Haley, Plant Manager **Phone:** (209) 480-2470 **Business Activity:** Palm oil processing **Limitations:** Local **Consistent Compliance:** No **Number of Samples taken by SIU during Calendar Year:** 246 **Number of Samples taken by POTW during Calendar Year:** 48 **Total Toxic Organics Certifications Provided during Calendar Year:** N/A **Wastewater Treatment and Control Processes:** EQUAL, FLOT, PH								
13	3-4	1	Monitoring	Failure to self-monitor for Ammonium			Yes	NOV, CO
14	1	1	Monitoring	Failure to properly monitor wastewater discharge (composite sample).			Yes	CO

Yr.	Qtr.	#	Parameter	Limit	Analysis	SNC	Inspection	Enforcement
14	1	1	Monitoring	Failure to self-monitor for BOD and TSS			Yes	NOV, CO and $1,000 fine.
14	1	1	O&G (HEM), mg/L	200 (local limit)	210		Yes	NOV, CO
14	2	1	Monitoring	Failure to self-monitor for BOD and TSS			Yes	NOV, CO
14	3	1	Monitoring	Failure to properly monitor wastewater discharge (pH)			Yes	NOV, CO
14	3	3	TDS, mg/L	1,000 (local limit)	1,130 1,660 1,170		Yes Yes Yes	NOV, CO NOV, CO NOV, CO
14	4	1	Monitoring	Failure to self-monitor for TDS and Ammonium			Yes	NOV, CO and $1,000 fine.

Name: Zacky Farms, LLC
Address: 1111 Navy Dr., Stockton, CA 95206
Contact: Ritchie Calhoun, Facilities Manager
Phone: (209) 948-6440
Business Activity: Poultry processing
Limitations: Local
Consistent Compliance: Yes
Number of Samples taken by SIU during Calendar Year: 712
Number of Samples taken by POTW during Calendar Year: 48
Total Toxic Organics Certifications Provided during Calendar Year: N/A
Wastewater Treatment and Control Processes: DH20, FLOC, FLOT, PH, /S, SCRN

SNC: Significant Noncompliance

Enforcement Actions:

CO - Correction Order
NOV - Notice of Violation
C&D - Cease and Desist

Consistent Compliance: Not more than one violation for any specific parameter within the last six months of the reporting period.

Wastewater Treatment and Controls:

ADS -	carbon adsorption
BH -	with borohydride
BIOL -	biological treatment
BMP -	best management practices
CEM -	metals cementation
CN -	cyanide destruction
CNP -	cyanide precipitation
CO3 -	carbonate augmentation
COAG -	coagulation
CR -	chromium reduction
DCHEL -	dechelation
DH20 -	sludge dewatering
EMUL -	chemical emulsion breaking
EQUAL -	equalization
EVAP -	evaporation
EW -	electrowinning/e-dialysis
FE -	iron coprecipitation
FILT -	media filtration
FLOC -	flocculation
FLOT -	dissolved air flotation
IX -	ion exchange
MgO -	with magnesium oxide
O/W -	oil/water separation
P/S -	metals precipitation/settling
PH -	pH adjustment
RBC -	rotating biological contactor
RCARB -	recarbonation
REC -	precious metals recovery
RECYL -	flow reduction/recycle
REDN -	metals reduction
RO -	reverse osmosis
S -	with sulfide
/S -	settling
SAND -	sand filtration
SCRN -	screening (cartridge)
STRP -	steam stripping
UF -	ultrafiltration (membrane)
ZERO -	zero discharge

CITY OF STOCKTON
Municipal Utilities Department

2014
PRETREATMENT PROGRAM ANNUAL REPORT

ATTACHMENT G

Public Notification

CITY OF STOCKTON
PUBLIC NOTICE OF SIGNIFICANT NONCOMPLIANT INDUSTRIAL USERS
IN CALENDAR YEAR 2014

The United States Environmental Protection Agency (EPA) General Pretreatment Regulations for Existing and New Sources of Pollution, 40 CFR Part 403.8(f)(2)(viii), requires the City of Stockton to comply with the public participation requirements of 40 CFR part 25 in the enforcement of National Pretreatment Standards. These procedures shall include provision for at least annual public notification in a newspaper(s) of general circulation that provides meaningful public notice within the jurisdiction(s) served by the POTW of Industrial Users which, at any time during the previous 12 months, were in significant noncompliance with applicable Pretreatment requirements. For the purposes of this provision, a Significant Industrial User (or any Industrial User which violates paragraphs (C), (D), or (H) of this section) is in significant noncompliance if its violation meets one or more of the following criteria:

A. Chronic violations of wastewater Discharge limits, defined here as those in which 66 percent or more of all of the measurements taken for the same pollutant parameter during a 6-month period exceed (by any magnitude) a numeric Pretreatment Standard or Requirement, including instantaneous limits, as defined by 40 CFR 403.3(l);
B. Technical Review Criteria (TRC) violations, defined here as those in which 33 percent or more of all of the measurements taken for the same pollutant parameter during a 6-month period equal or exceed the product of the numeric Pretreatment Standard or Requirement including instantaneous limits, as defined by 40 CFR 403.3(l) multiplied by the applicable TRC (TRC=1.4 for BOD, TSS, fats, oil, and grease, and 1.2 for all other pollutants except pH);
C. Any other violation of a Pretreatment Standard or Requirement as defined by 40 CFR 403.3(l) (daily maximum, long-term average, instantaneous limit, or narrative Standard) that the POTW determines has caused, alone or in combination with other Discharges, Interference or Pass Through (including endangering the health of POTW personnel or the general public);
D. Any discharge of a pollutant that has caused imminent endangerment to human health, welfare or to the environment or has resulted in the POTW's exercise of its emergency authority under paragraph (f)(1)(vi)(B) of this section to halt or prevent such a discharge;
E. Failure to meet, within 90 days after the schedule date, a compliance schedule milestone contained in a local control mechanism or enforcement order for starting construction, completing construction, or attaining final compliance;
F. Failure to provide, within 45 days after the due date, required reports such as baseline monitoring reports, 90-day compliance reports, periodic self-monitoring reports, and reports on compliance with compliance schedules;
G. Failure to accurately report noncompliance;
H. Any other violation or group of violations, which may include a violation of Best Management Practices, which the POTW determines will adversely affect the operation or implementation of the local Pretreatment program.

The City of Stockton has determined the following industrial users were in significant noncompliance with applicable Pretreatment requirements during calendar year 2014:

Diamond Foods, 1050 S. Diamond St.: B (Oil & Grease) and G (Reporting)
New Stockton Poultry Market, Inc., 302 S. San Joaquin St.: H (pH > 12.5)
Northern California Youth Correctional Center, 7650 S. Newcastle Rd.: G (Reporting)
Pacific Ethanol Stockton, LLC, 3028 Navy Dr., A (Total Suspended Solids) and G (Reporting)
Union Pacific Railroad, 833 E. Eight St.: G (Reporting)

CITY OF STOCKTON
Municipal Utilities Department

2014
PRETREATMENT PROGRAM ANNUAL REPORT

ATTACHMENT H

Sampling and Inspections

American Sunny Foods

Total Number of IPP samples collected 2014= 48

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
01/15/14		CXA0640-01	G								ND	ND	ND	ND	ND	0.042	
03/15/14		14C1655-01	G						12	16							
04/16/14		CXD0782-01	C		140		96										
07/01/14		CXFG0041-0	C					1600									
08/19/14		CXH0864-01	G								ND	0.019	ND	ND	ND	0.063	
09/25/14		CXI1213-01	C		44		8.5										
10/08/14		CXJ0567-01	G						18	26							
11/06/14		CXK0307-01	C					1300									

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
01/15/14		CXA0640-01	G		ND	0.003		ND								
07/01/14		CXG0041-01	C				12		260	120	86	430	4.4	22	270	11
07/02/14		CXG0164-01	G	ND												
08/19/14		CXH0864-01	G		ND	0.0081		ND								
11/06/14		CXK0307-01	C				8.2		230	83	69	570	1	28	0.71	ND
12/02/14		CXL0130-01	G	ND												

Applied Aerospace

Total Number of IPP samples collected 2014= 66

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	TTO mg/L
01/15/14	categoric	CXA0641-01	C								ND	0.4	ND	ND	ND	ND	
02/20/14	liftstation	CXB0990-01	G								ND	ND	ND	ND	ND	0.026	
03/26/14	liftstation	14D0222-01	G						28	31							
04/16/14	categoric	CXD0784-05	C-G														624-.00712
																	625-ND
05/20/14		CXE0847-01	C					85									
06/10/14		CXF0442-01	C		ND		ND										
07/02/14	liftstation	CXG0178	G						ND	ND							
08/21/14	liftstation	CXH0979-01	G								ND	.021	ND	ND	ND	.043	
09/25/14	categoric	CXI1212-01	C								ND	0.29	ND	ND	ND	ND	
10/15/14	categoric	CXJ0907-05	C-G														624-.00681
																	625-ND
11/18/14		CXK0838-01	C		ND		ND										
12/03/14		CXL0331-01	C					74									

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
01/15/14	categoric	CXA0641-01	C		ND											
02/20/14	liftstation	CXB0990-01	G		ND	ND		ND								
02/20/14	liftstation	CXB0990-01	G	ND												
05/20/14		CXE0847-01	C				4.4		ND	1.5	20	30	ND	2.5	ND	5.3
08/21/14	liftstation	CXH0979-01	G		ND	.0025		ND								
08/21/14	liftstation	CXH0979-01	G	ND												
09/25/14	categoric	CXI1212-01	C		ND											
12/03/14		CXL0331-01	C				5.0		ND	1.6	27	15	ND	2	1	9.6

ASCO Power Technologies

Total Number of IPP samples collected 2014= 52

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	TTO mg/L
01/20/14		CXA0809-01	G					810									
04/03/14		CXD0173-01	G								ND	ND	0.44	ND	0.015	0.51	
05/08/14		CXE0406-01	G		62		12										
07/28/14		CXH1206-01	G	7.2					15	20							
07/28/14		CXH1206-01	G														624-.075
																	625-.14
10/02/14		CXJ0157-01	G								ND	ND	0.28	ND	0.006	0.36	
10/02/14		CXJ0157-01	G					690									
10/02/14		CXJ0157-01	G		110		16										
12/05/14		1412341-001I	G						65	19							
12/05/14		CXL0396-01	G														624-ND
																	625-ND

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
01/20/14		CXA0809-01	G				20		5.6	3.6	130	70	16	420	ND	46
04/03/14		CXD0173-01	G		ND	0.0084		ND								
04/03/14		CXD0173-01	G	ND												
10/02/14		CXJ0157-01	G		ND	0.0038		ND								
10/02/14		CXJ0157-01	G				11		19	2.8	110	190	39	160	0.72	12
10/02/14		CXJ0157-01	G	ND												

California Health Care Facility

Total Number of IPP samples collected 2014= 52

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L
01/17/14		CXA0713-01	G								ND	ND	0.11	ND	ND	0.13
01/17/14		CXA0713-01	G					2800								
01/17/14		CXA0713-01	G						43	93						
01/17/14		CXA0713-01	G		360		510									
04/22/14		CXD0946-01	G		1400		1100									
06/02/14		CXF0114-01	G		320		490									
07/21/14		CXG0950-01	G								ND	ND	0.098	ND	ND	0.21
08/13/14		CXH0688-01	G		460		700									
10/23/14		CXJ1185-01	G						ND	140						
12/08/14		CXL0522-01	G					1200								

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
01/17/14		CXA0713-01	G		ND	0.0072		ND								
01/17/14		CXA0713-01	G				20		31	5.7	310	480	66	460	ND	20
01/17/14		CXA0713-01	G	ND												
07/21/14		CXG0950-01	G		ND	ND		ND								
09/10/14		CXI0574-01	G	ND												
12/08/14		CXL0522-01	G				25		36	6.6	260	580	74	380	0.8	50

California Spray Dry

Total Number of IPP samples collected 2014= 52

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
02/03/14		CXB0106-01	C		510		1600										
02/28/14		CXC0120-01	G								ND	ND	0.057	ND	0.0062	0.77	
03/26/14		CXC1070-01	C					1200									
04/24/14		14D2452-01	G						26	53							
06/12/14		14F1422-01	G						15	20							
07/24/14		CXG1046-01	C		7800		9400										
09/04/14		CXI0236-01	C					550									
10/23/14		CXJ1194-01	G								ND	ND	0.036	ND	0.007	0.4	
12/01/14		1412157-001	G						ND	ND							
12/08/14		CXL0524-01	C		400		160										

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
02/28/14		CXC0120-01	G		ND	0.0051		ND								
03/26/14		CXC1070-01	C				37		12	3.8	570	ND	56	21	1.4	75
05/21/14		CXE0925-01	G	ND												
08/05/14		CXH0185-01	G	ND												
09/04/14		CXI0236-01	C				23		8.1	3.9	160	280	37	66	0.75	17
10/23/14		CXJ1194-01	G		ND	0.0066		ND								

California Tank Lines

Total Number of IPP samples collected 2014= 57

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	TTO mg/L
02/06/14		CBX0226-01	C		1600		690										
03/26/14		14D0223-01	G						35	71							
04/16/14		CXD0783-01	C					780									
04/16/14	categoric	CXD0783-01	C										0.054				
05/14/14		CXE0642-01	G														624-.0489
																	625-ND
06/04/14		CXF0262-01	G								ND	7.5	0.14	4.7	ND	0.37	
06/19/14		CXF0840-01	G									1					
07/02/14		CXG0163-0	C					560									
07/02/14	categoric	CXG0163-0	C										0.028				
09/24/14		CXI1216-01	G								ND	0.059	ND	0.029	ND	0.094	
10/09/14		CXJ0565-01	C		690		130										
11/10/14		CXK0633-01	G														624-.0412
																	625-1.228
12/08/14		CXL0519-01	G						16	73							

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
01/21/14		CXA0806-01	G	ND												
04/16/14		CXD0783-01	C				21		18	3.1	120	ND	7.2	14	1.3	26
04/16/14	categoric	CXD0783-01	C					ND								
06/04/14		CXF0262-01	G		ND	0.0051		ND								
07/02/14		CXG0163-0	C				37		38	2.7	75	68	1.3	10	8	22
07/02/14	categoric	CXG0163-0	C					ND								
08/01/44		CXH0188-01	G	ND												
09/24/14		CXI1216-01	G		ND	ND		ND								

Campbells

Total Number of IPP samples collected 2014= 36

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
07/03/14		CXG0168-01	C		350		750										
07/07/14		CXG0303-01	C		560		1100										
07/15/14		14G1742-01	G						11	13							
07/23/14		CXG1045-01	C		31		480										
08/04/14		CXH0191-01	G								ND	0.02	0.036	0.031	0.0085	0.16	
08/12/14		CXH0539-01	C		400		480										
08/26/14		CXH1169-01	C					680									
09/03/14		CXI0237-01	C		400		810										
09/23/14		CXI1067-01	C		220		480										
10/7/2014		CXJ0386-01	C		300		370										

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
08/04/14		CXH0191-01	G		ND	0.029		0.0002								
08/20/14		CXH0982-01	G	ND												
08/26/14		CXH1169-01	C				22		47	11	80	82	2.6	85	0.72	9.9

CHEMSTATION

Total Number of IPP samples collected 2014= 52

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD7 mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	COD mg/L
03/24/14		CXC0983-01	G		15		16	330	5.6	13	ND	0.029	0.069	ND	ND	0.18	280
12/30/14		CXL1400-01	G		58		310	1600	ND	84	ND	ND	0.024	ND	0.034	0.73	1100

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L	MBAS mg/L
03/24/14		CXC0983-01	G	ND	ND	ND	35	ND	20	33	130	32	0.46	3.4	ND	140	ND
12/30/14		CXL1400-01		ND	ND	ND	4.2	ND	40	ND	380	710	40	64	ND	29	20

CINTAS

Total Number of IPP samples collected 2014= 68

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
01/15/14		CXA0646-01	C					1200									
02/20/14	categoric	CXB0828-01	C								ND	ND	0.14	ND	0.0083	0.19	
03/18/14		14C1663-01	G						11	22							
05/15/14		CXE0647-01	C		130		210										
06/06/14		CXF0438-01	G								ND	ND	0.19	ND	0.016	0.42	
07/02/14		CXG0185-01	C		110		230										
08/27/14		CXH1294	G						2.3	18							
10/02/14		CXJ0134-01	G								ND	ND	0.12	ND	0.0093	0.12	
11/06/14	categoric	CXK0305-01	C								ND	0.0062	0.044	0.005	0.011	0.078	
12/04/14		CXL0330-01	C					870									

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
01/15/14		CXA0646-01	C				13		6.8	ND	300	260	3.1	150	ND	170
02/20/14	categoric	CXB0828-01	C		ND	0.002		ND								
02/20/14	categoric	CXB0828-01	C	ND												
04/15/14		CXD0668-01	G	ND												
06/06/14		CXF0438-01	G		ND	0.0034		ND								
09/18/14		CXI0923-01	G	ND												
10/02/14		CXJ0134-01	G		ND	0.0022		ND								
11/06/14	categoric	CXK0305-01	C		ND	0.0022		ND								
11/06/14	categoric	CXK0305-01	C	ND												
12/04/14		CXL0330-01	C				10		9.2	1.1	230	110	1.1	140	0.78	56

Dameron Hospital

Total Number of IPP samples collected 2014= 96

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
04/23/14	BOILER	CXD1026-01	G	7	34		83	200	16	19	ND	ND	0.06	ND	ND	0.073	
04/23/14	KITCHN	CXD1026-01	G	7	950		1300	340	33	160	ND	ND	0.15	ND	ND	0.28	
07/16/14	BOILER	CXG0784-01	G	7.8	50		130	190	9.1	17	ND	ND	0.027	ND	ND	0.065	
07/16/14	KITCHN	CXG0784-02	G	6.9	710		570	430	42	200	ND	ND	0.022	ND	ND	0.28	

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
04/23/14	BOILER	CXD1026-01	G	ND	ND	ND	5.8	0.00024	6.7	2	33	77	6	21	1.4	8.4
04/23/14	KITCHN	CXD1026-01	G	ND	ND	ND	10	ND	11	2.3	70	150	11	24	0.91	13
07/16/14	BOILER	CXG0784-01	G	ND	ND	ND	7.3	ND	11	2.8	31	84	8.3	35	1.5	9.3
07/16/14	KITCHN	CXG0784-02	G	ND	ND	ND	13	ND	15	3	68	150	19	25	1	9.4

Diamond Foods

Total Number of IPP samples collected 2014= 64

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
01/08/14		CXA0312-01	G							56							
01/29/14		CXA1098-01	C		1900		2500										
02/20/14		14B1941-01	G							140							
02/20/14		CXB0835-01	C					1800									
03/14/14		CXC0716-01	G								ND	ND	0.02	ND	ND	0.23	
03/26/14		CXC1071-01	G						23	340							
04/01/14		CXD0072-01	C		610		2000										
04/25/14		14E0033-01	G							2000							
05/28/14		14F0016-01	G							34							
06/20/14		CXF0874-01	C		230		1100										
07/15/14		CXG0652-01	C		270		2300										
07/28/14		CXG1207-01	G								ND	ND	0.092	ND	0.011	0.51	
08/05/14		CXH0184-01	C					1600									
08/28/14		CXH1295-01	C		72		1500										
09/22/14		14I2275-01	G						22	42							
10/01/14		CXJ0158-01	C		910		3500										
10/21/14		CXJ1062-01	C		190		310										
11/07/14		CXK0377-01	C		720		1500										

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
02/20/14		CXB0835-01	C				8.4		28	7	260	80	4.5	110	ND	180
03/14/14		CXC0716-01	G		ND	ND		ND								
06/12/14		CXF0574-01	G	ND												
07/28/14		CXG1207-01	G		ND	ND		ND								
08/05/14		CXH0184-01	C				7.7		23	6.4	180	170	8.4	100	0.86	81
09/08/14		CXI0444-01	G	ND												

Dole Foods

Total Number of IPP samples collected 2014= 48

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
01/06/14		CXA0198-01	G								ND	0.01	0.081	0.024	ND	0.26	
04/01/14		CXD0073-01	C		350		1200										
05/07/14		14E1093-01	G						35	44							
06/04/14		CXF0252-01	C					1500									
07/09/14		CXG0456-01	C		240		600										
08/11/14		CXH0537-01	G								ND	ND	0.037	ND	ND	0.61	
09/15/14		14I1759-01	G						27	79							
12/11/14		CXL0707-01	C					280									

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
01/06/14		CXA0198-01	G		ND	0.0034		ND								
03/14/14		CXC0715-01	G	ND												
06/04/14		CXF0252-01	C				49		63	25	190	330	6.5	41	0.76	37
08/11/14		CXH0537-01	G		ND	0.02		ND								
10/08/14		CXJ0563-01	G	ND												
12/11/14		CXL0707-01	C				44		55	21	100	53	5	47	0.72	40

DTE

Total Number of IPP samples collected 2014= 53

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	TTO mg/L
01/02/14		CXA0049-01	G								ND	0.026	0.32	ND	0.015	0.77	
01/21/14		CXA0811-01	C		43		9.3	5400									
02/05/14		CXB0221-01	C					200									
03/06/14		14C0837-01							ND	ND							
05/12/14		CXE0553-01	C		18		4.7	410									
07/08/14		CXG0300-01	G								ND	ND	0.12	ND	ND	0.073	
09/17/14		14I1996-01	G						0.92	ND							
10/23/14		CXJ1190-01	C					1000									
12/09/14		CXL0525-01	C		19		ND										

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
01/02/14		CXA0049-01	G		ND	0.041		0.0003								
02/05/14		CXB0221-01	C				20		5.9	6.9	34	82	0.21	22	4.5	24
03/31/14		CXD0057-01	G	ND												
07/08/14			G		ND	0.087		ND								
08/12/14		CXH0538-01	G	0.015												
10/23/14		CXJ1190-01	C				83		23	25	150	86	0.38	170	1.8	400

Duraflame

Total Number of IPP samples collected 2014= 38

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
02/20/14		CXB0834-01	C		10		18										
05/15/14		CXE0848-01	G								ND	ND	0.013	ND	ND	0.34	
06/12/14		14F1427-01	G						1.2	1.9							
07/01/14		CXG0038-01	C					140									
07/09/14		CXG0454-0	G								ND	ND	0.015	0.031	ND	0.230	
08/21/14		CXH0984-01	C		23		54										
09/11/14		14I1758-01	G						0.85	2.2							

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
05/15/14		CXE0848-01	G		ND	ND		0.0004								
07/01/14		CXG0038-01	C				5.2		14	1.2	34	40	0.39	20	0.079	35
07/01/14		CXG0038-01	G	ND												
07/09/14		CXG0454-0	G		ND	ND		ND								
12/08/14		CXL0523-01	G	ND												

Foodliner

Total Number of IPP samples collected 2014= 50

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
01/20/14		CXA0812-01	G						13	21							
02/03/14		CXB0105-01	G								ND	0.019	0.068	0.027	ND	0.51	
04/22/14		CXD0944-01	C		350		4100										
05/08/14		CXE0412-01	C					5400									
07/03/14		CXG0167-01	C		200		4000										
08/04/14		CXH0190-01	G								ND	0.034	0.081	ND	0.024	0.31	
09/04/14		CXI0234-01	C					10000									
11/03/14		CXK0153-01	G						ND	ND							
11/12/14		CXK0632-01	C		330		3800										

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
02/03/14		CXB0105-01			ND	0.018		ND								
03/03/14		CXC0122-01		ND												
05/08/14		CXE0412-01	C				63		ND	20	1600	560	32	1900	0.73	19
08/04/14		CXH0190-01	G		ND	0.03		ND								
09/04/14		CXI0234-01	C				31		4	14	570	370	41	650	0.79	22
10/08/14		CXJ0562-01	G	0.0081												

Grimaud of California

Total Number of IPP samples collected 2014= 48

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
01/16/14		14A1365-01	G						37	57							
03/04/14		CXC0118-01	C					810									
04/07/14		CXD0381-01	G								ND	ND	0.059	ND	ND	ND	
05/28/14		CXE1127-01	C		200		570										
07/16/14		CXG0788-01	G								ND	ND	0.048	ND	ND	0.2	
08/21/14		CXH0980-01	G						26	75							
09/23/14		CXI064-01	C		190		650										
10/09/14		CXJ0566-01	C					760									

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
02/19/14		CXB0832-01	G	ND												
03/04/14		CXC0118-01	C				11		35	4	130	160	5.7	48	0.93	51
04/07/14		CXD0381-01	G		ND	ND		ND								
07/16/14		CXG0788-01	G		ND	ND		ND								
10/09/14		CXJ0566-01	C				9.8		39	3.6	170	180	7.8	67	1	54
11/03/14		CXK0151-01	G	ND												

Hormel Foods

Total Number of IPP samples collected 2014= 48

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
01/16/14		CXA0642-01	C		820		960										
02/19/14		14B1942-01	G						17	32							
03/04/14		CXC0117-01	C					210									
04/07/14		CXD0379-01	G								ND	ND	0.029	ND	ND	0.049	
07/15/14		CXG0654-01	G						8.7	23							
08/07/14		CXH0305-01	C		180		260										
09/04/14		CXI0242-01	C					180									
11/03/14		CXK0149-01	G								ND	ND	ND	ND	ND	0.15	

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
03/04/14		CXC0117-01	C				7.3		12	2.8	45	62	1.7	20	ND	16
04/07/14		CXD0379-01	G		0.01	ND		ND								
05/23/14		CXE1061-01	G	ND												
09/04/14		CXI0242-01	C				6.7		12	2.7	31	47	1	18	0.72	10
10/02/14		CXJ0135-01	G	ND												
11/03/14		CXK0149-01	G		ND	ND		ND								

Ingredion

Total Number of IPP samples collected 2014= 64

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
01/02/14		CXA0047-01	C		290		1400										
02/10/14		CXB0415-01	C		460		1600										
02/27/14		CXC0121-01	G								ND	0.039	0.014	0.04	ND	0.94	
03/19/14		14C1867-01	G						38	45							
03/31/14		CXD055-01	C		460		1600										
04/22/14		CXD0947-01	C					3500									
04/29/14		CXD1180-01	C		260		990										
06/02/14		CXF0116-01	C		140		1400										
06/19/14		CXF0835-01	C		240		1500										
07/08/14		CXG0302-01	C		520		1100										
08/07/14		CXH0303-01	C					2600									
08/21/14		14H2479-01	G						25	31							
09/22/14		CXI1063-01	C		130		1000										
09/30/14		CXI1390-01	G								ND	ND	ND	0.02	ND	0.39	
10/07/14		CXJ0385-01	C		360		1700										
10/16/14		CXJ0909-01	C		460		1800										
12/02/14		CXL0132-01	C		170		1400										

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
01/27/14		CXA1007-01	G	ND												
02/27/14		CXC0121-01	G		ND	0.01		ND								
04/22/14		CXD0947-01	G				370		45	32	350	430	2.4	1300	7.3	170
07/24/14		CXG1049-01	G	ND												
08/07/14		CXH0303-01	C				18		37	13	640	380	5.3	760	0.84	190
09/30/14		CXI1390-01	G		ND	0.023		ND								

1010 ZEPHYR-INGREDION

Total Number of IPP samples collected 2014= 11

Terminated

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	TTO mg/L
01/27/14			G								ND	ND	ND	ND	ND	0.034	
03/19/14			G						1.0	1.3							

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
01/27/14			G		ND	0.041		ND								

Crosstown Commons-Midway

Total Number of IPP samples collected 2014= 49

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
03/27/14		CWC1076-01	C		37		9.6										
04/28/14		14E0032-01	G						6.9	9.8							
06/04/14		CXF0253-01	C					130									
07/24/14		CXG1040-01	C					110									
08/27/14		CXH1292-01	G								ND	0.014	ND	ND	ND	0.049	
09/25/14		CXI1219-01	C		69		23										
12/2/2014		CXL0128-01	G						ND	ND							
12/2/2014		CXL0128-01	G								ND	ND	0.012	ND	0.0059	0.24	

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
06/04/14		CXF0253-01	C				13		3.9	4.8	15	68	0.21	12	2	4.3
06/04/14		CXF0251-01	G	ND												
07/24/14		CXG1040-01	C				12		1.7	4	9.3	48	0.13	5.4	1.7	11
08/27/14		CXH1292-01	G		ND	ND		ND								
09/17/14		CXI0919-01	G	ND												
12/2/2014		CXL0128-01	G		ND	0.002		ND								

New Stockton Poultry

Total Number of IPP samples collected 2014= 48

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
01/21/14		CXA0807-01	C		290		720										
03/12/14		CXC0712-01	G								ND	ND	0.053	ND	ND	0.18	
04/22/14		14D2066-01	G						19	140							
05/22/14		CXE0922-01	C					940									
08/01/14		CXH0175	G						53	160							
09/17/14		CXI0917-01	G								ND	ND	0.05	ND	ND	0.1	
10/09/14		CXJ0560-01	C					510									
11/18/14		CXK0837-01	C		250		370										

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
02/13/14		CXB0523-01	G	ND												
03/12/14		CXC0712-01	G		ND	ND		ND								
05/22/14		CXE0922-01	C				13		32	5.3	40	140	20	59	0.72	11
07/10/14		CXG0459-01	G	ND												
09/17/14		CXI0917-01	G		ND	ND		ND								
10/09/14		CXJ0560-01	C				8.9		33	4.2	52	110	20	140	0.92	13

Niagara

Total Number of IPP samples collected 2014= 48

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
03/03/14		14C0541-01	G						ND	ND							
04/10/14		CXD0515-01	G								ND	ND	ND	ND	ND	0.1	
06/03/14		CXF0112-01	C		9.1		ND	650									
08/26/14		14H2477-01	G						0.44	2.5							
09/18/14		CXI0920-01	C		ND		7.2										
10/10/14		CXJ0760-01	G								ND	ND	ND	ND	ND	0.044	
11/18/14		CXK0836-01	C					220									

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
01/16/14		CXA0709-01	G	ND												
04/10/14		CXD0515-01	G		ND	ND		ND								
06/03/14		CXF0112-01	C				82		7.7	32	48	190	0.28	110	16	71
07/18/14		CXG0947-0	G	ND												
10/10/14		CXJ0760-01	G		ND	ND		ND								
11/18/14		CXK0836-01	C				29		3.1	7.6	22	100	0.36	15	0.68	39

Niagara 811 (formerly Adv. Refreshment)

Total Number of IPP samples collected 2014= 48

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
02/20/14		CXB0836-01	C		ND		29										
03/20/14		CXC0848-01	G								ND	ND	0.011	ND	ND	ND	
04/02/14		CXD0174-01	C					480									
05/07/14		14E1099-01	G						3.6	7.7							
07/24/14		14G2657-01	G						0.8	ND							
08/27/14		CXH1293-01	G								ND	ND	0.012	ND	ND	0.031	
09/18/14		CXI0921-01	C		ND		6.1										
11/18/14		CXK0840-01	C					240									

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
03/20/14		CXC0848-01	G		ND	ND		ND								
04/02/14		CXD0174-01	C				21		6.2	7.3	80	13	4.3	32	ND	53
06/18/14		CXF0838-01	G	ND												
08/27/14		CXH1293-01	G		ND	0.0021		ND								
10/10/14		CXJ0759-01	G	ND												
11/18/14		CXK0840-01	C				16		19	5.1	48	90	0.24	7.6	0.89	55

Northern California Youth Correctional Center

Total Number of IPP samples collected 2014= 48

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
03/06/14		CXC0255-01	G		500		900										
04/10/14		CXD0510-01	G					260									
05/08/14		CXE0413-01	G								ND	ND	0.081	ND	ND	0.11	
06/16/14		14F1710-01	G						6.1	20							
7/24/2014		CXG1047-0	G		170		280										
08/11/14		CXH0541-01	G								ND	ND	0.021	ND	ND	0.1	
09/24/14		14I2577-01	G						51	80							
12/03/14		CXL0329-01	G					370									

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
01/16/14		CXA0708-01	G	ND												
04/10/14		CXD0510-01	G				14		6.1	4.2	17	230	37	43	0.74	15
05/08/14		CXE0413-01	G		ND	ND		ND								
08/11/14		CXH0541-01	G		ND	0.0066		ND								
10/14/14		CXJ0764-01	G	ND												
12/03/14		CXL0329-01	G				14		33	4	56	250	35	38	1.1	39

Pacific Ethanol

Total Number of IPP samples collected 2014= 51

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	Ethanol mg/L
02/05/14		CXB0222-01	G								ND	0.19	0.15	ND	ND	2.2	
04/22/14		14D2056-01	G						2.6	13							
05/09/14		CXE0552-01	G														ND
06/12/14		CXF0572-01	C		100		53										
06/19/14		CXF0836-01	C					940									
08/18/14		14H1877-01	G							32							
08/26/14		CXH1173-01	C					600									
09/24/14		CXI1214-01	C		97		43										
10/28/14		1410A64-001	G						ND	ND							
12/03/14		CXL0333-01	G								ND	0.027	0.016	ND	ND	0.51	
12/03/14		CXL0333-01	G														ND

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
02/05/14		CXB0222-01	G		ND	0.11		ND								
03/28/14		CXD0053-01	G	ND												
06/19/14		CXF0836-01	C				61		12	23	230	340	0.59	250	1.4	52
07/21/14		CXG0957-01	G	ND												
08/26/14		CXH1173-01	C				32		4.6	8.7	130	130	0.8	190	0.73	39
12/03/14		CXL0333-01	G		ND	0.044		ND								

Parsons

Total Number of IPP samples collected 2014= 14

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	TTO mg/L
09/29/14		CXI1392-01	G	7					0.9	1.7	ND	ND	ND	ND	ND	ND	624-ND
																	625-ND

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
09/29/14		CXI1392-01	G	ND	ND	0.005		ND								

Premier Finishing

Total Number of IPP samples collected 2014= 48

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	TTO mg/L
02/04/14		CXB0107-01	G					3100									
03/27/14		CXC1078-01	G								ND	0.083	0.15	0.063	ND	0.14	
04/24/14		14D2449-01	G						26	39							
06/17/14		CXF0708-01	G														624-ND
07/24/14		CXG1209-0	G					960									625-ND
08/28/14		CXH1289-01	G								ND	0.018	0.029	0.039	ND	0.025	
09/25/14		CXI1211-01	G														624-ND
10/28/14		1410A65-001	G						19	ND							625-ND

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
02/04/14		CXB0107-01	G				5.1		ND	2.5	1100	710	1.9	3.6	ND	82
03/27/14		CXC1078-01	G		ND	0.014		ND								
06/17/14		CXF0708-01	G	ND												
07/29/14		CXG1209-0	G				4.7		2.4	3.5	210	250	0.22	14	12	14
08/19/14		CXH0866-01	G	CN												
08/28/14		CXH1289-01	G		ND	0.015		ND								

R&B Foods (Formerly Unilever)

Total Number of IPP samples collected 2014= 68

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
02/19/14		CBX0829-01	C		56		25										
03/04/14		CXC0119-01	C		69		6.8										
05/08/14		CXE0408-01	C		480		690										
06/10/14		CXF0436-01	C		160		130										
07/08/14		CXG0305-01	C		72		22										
07/17/14		CXG0787-01	C		490		1500										
07/22/14		CXG0960-01	C		320		1000										
07/31/14		CXG1298	G						48	68							
08/05/14		CXH0187-01	C					1200									
08/07/14		CXH0312-01	G								ND	0.06	0.046	0.089	0.011	0.18	
08/14/14		CXH0687-01	C		940		1400										
08/26/14		CXH1170-01	C		190		290										
09/04/14		CXI0241-01	G								ND	0.016	ND	0.027	ND	0.062	
09/15/14		CXI0776	G						51	57							
09/23/14		CXI066-01	C		1400		840										
10/14/14		CXJ0761-01	C					710									
11/20/14		CXK0955-01	C		290		25										
12/11/14		CXL0706-01	C		170		15										

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
08/05/14		CXH0187-01	C				87		93	37	75	210	3	180	0.72	15
08/07/14		CXH0312-01	G		ND	0.044		0.00023								
08/21/14		CXH0988-01	G	ND												
09/04/14		CXI0241-01	G		ND	0.052		ND								
10/08/14		CXJ0564-01	G	ND												
10/14/14		CXJ0761-01	C				61		23	35	49	210	1.8	140	0.72	22

St Josephs Hospital

Total Number of IPP samples collected 2014= 99

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
05/07/14	Utility	CXE0402-01	G	8.21	ND		ND	270	0.48	1.3	ND	ND	0.096	ND	ND	ND	
05/07/14	Admin	CXE0402-02	G							45							
05/07/14	Garage	CXE0402-03	G	8.7	140		880	280	29	46	ND	ND	0.074	ND	ND	0.094	
10/21/14	Utility	CXJ1059-01	G	7	ND		ND	1400	ND	ND	ND	ND	ND	ND	ND	ND	
10/21/14	Admin	CXJ1059-02	G	5						930							
10/21/14	Garage	CXJ1059-03	G	7	60		48	780	ND	5.6	ND	0.021	ND	ND	ND	0.047	
11/07/14	Admin	CXK0378-01	G							180							

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
05/07/14	Utility	CXE0402-01	G	ND	ND	0.0052	20	ND	3.9	9.6	69	150	ND	20	13	13
05/07/14	Garage	CXE0402-03	G	ND	ND	0.0031	17	ND	11	7.6	62	120	ND	24	9.1	12
10/21/14	Utility	CXJ1059-01	G	ND	ND	0.012	170	ND	12	84	100	250	0.66	430	19	44
10/21/14	Garage	CXJ1059-03	G	ND	ND	0.0072	35	ND	6.5	17	180	100	2.3	240	11	29

San Joaquin County French Camp Complex

Total Number of IPP samples collected 2014= 48

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
05/20/14		CXE0845-01	G	7	390		390	520	48	84	ND	ND	0.038	ND	ND	0.14	
09/18/14		CXI0916-01	G	7	150		110	300	19	53	ND	ND	0.24	ND	ND	0.94	

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
05/20/14		CXE0845-01	G	ND	ND	0.0027	36	0.00095	16	15	91	320	45	120	ND	34
09/18/14		CXI0916-01	G	ND	ND	ND	20	ND	13	3.3	78	220	40	81	0.73	18

San Joaquin County Hospital

Total Number of IPP samples collected 2014= 48

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
05/20/14		CXE0846-01	G	7	300		220	650	8.2	30	ND	ND	0.028	ND	ND	0.073	
09/18/14		CXI0915-01	G	7	120		130	390	67	83	ND	ND	ND	ND	ND	0.036	

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
05/20/14		CXE0846-01	G	0.019	ND	0.0027	25	ND	8.5	9.5	210	210	8.6	180	2	29
09/18/14		CXI0915-01	G	0.029	ND	ND	10	ND	7.5	3.2	97	110	8.9	110	1.2	12

Sodexo

shut down 7/19/2014

Permit terminated

Total Number of IPP samples collected 2014= 27

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
01/15/14		CXA0643-01	C		40		280										
02/27/14		14C0175	G						8.6	16							
03/06/14		CXC0259-01	G								ND	ND	0.012	ND	ND	0.2	
04/15/14		CXD0669-01	C					450									
06/10/14		CXF0437-01	C		48		110										

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
03/06/14		CXC0259-01	G		ND	ND		ND								
04/15/14		CXD0669-01	C				3.6		4.8	1.3	130	85	2	71	0.72	83
05/15/14		CXE0646-01	G	ND												
07/15/14		CXG0655-01	G	ND												

Stockton Sanitary Washrack

Total Number of IPP samples collected 2014= 48

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
01/16/14		CXA0635-01	C					19000									
02/20/14		CXB08737-01	G								ND	ND	0.015	ND	ND	0.051	
03/20/14		CXC0851-01	C		58		30000										
04/24/14		14D2451-01	G						15	21							
07/08/14		CXG0297-01	C		52		31000										
09/30/14		CXI1391-01	C					25000									
10/14/14		CXJ0762	G						13	15							
11/03/14		CXK0150-01	G								ND	ND	ND	ND	ND	0.33	

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
01/16/14		CXA0635-01	C				13		1.9	2.8	230	280	98	240	ND	11
02/20/14		CXB0837-01	G		ND	0.002		ND								
05/28/14		CXE1134-01	G	ND												
08/06/14		CXH0308-01	G	ND												
09/30/14		CXI1391-01	C				16		8.7	2.5	120	170	85	18	0.73	11
11/03/14		CXK0150-01	G		ND	0.002		ND								

Sumiden Wire Products

Total Number of IPP samples collected 2014= 54

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
01/02/14		14A0189-01	G						0.5	1.3							
02/04/14		CXB0103-01	C		160		3.8										
03/06/14		CXC0257-01	G								ND	0.39	0.022	0.095	ND	0.066	
04/01/14	categoric	CXD0042-01	C									0.18			ND	0.12	
06/19/14		CXF0834-01	C					1400									
07/16/14		14G2198-01	G						0.73	1.8							
08/07/14		CXH0304-01	C					1400									
09/24/14		CXI1215-01	G								ND	2.50	ND	0.19	ND	0.072	
10/16/14	categoric	CXJ0908-01	C									3.40			ND	0.057	
11/12/14		CXK0634-01	C		270		ND										

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
03/06/14		CXC0257-01	G		ND	0.004		ND								
05/09/14		CXE0554-01	G	ND												
06/19/14		CXF0834-01	C				36		9.8	22	370	7.4	0.59	18	6.5	1000
08/07/14		CXH0304-01	C				34		8.6	19	260	ND	0.48	25	12	980
09/24/14		CXI1215-01	G		ND	0.008		ND								
12/02/14		CXL0131-01	G	ND												

Synergy Health

Total Number of IPP samples collected 2014= 48

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
01/15/14		14A1367-01	G						12	19							
03/06/14		CXC0253-01	C					460									
04/15/14		CXD0667-01	C		32		250										
05/15/14		CXE0644-01	G								ND	ND	0.069	ND	ND	0.031	
07/15/14		CXG0656-01	C					520									
09/18/14		CXI0922-01	C		22		140										
10/15/14		CXJ0910-01	G								ND	ND	0.017	0.022	ND	0.022	
11/17/14		CXK0835-01	G						20	26							

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
02/27/14		CXB1100-01	G	ND												
03/06/14		CXC0253-01	C				1.9		ND	ND	140	78	0.62	11	ND	170
05/15/14		CXE0644-01	G		ND	ND		ND								
07/15/14		CXG0656-01	C				3.6		ND	1.5	130	82	0.82	40	1.4	95
08/26/14		CXH1171-01	G	ND												
10/15/14		CXJ0910-01	G		ND	ND		ND								

Tankerwash

Total Number of IPP samples collected 2014= 60

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	TTO mg/L
02/06/14		CXB0215-01	C		190		8700										
03/05/14		CXC0252-01	G					2600									
04/02/14		CXD0171-01	G								ND	ND	0.025	ND	ND	0.11	
04/30/14		14E0098-01	G						21	180							
05/09/14		CXE0556-01	G														624-.005
																	625-ND
6/2/2014	categoric	14F0504-01	CG						1.9								
06/18/14	categoric	CXF0837-01	C										0.028				
08/07/14	categoric	CXH0307-01	C										ND				
09/29/14		14J0255-01	G						3500	4800							
10/02/14		CXJ0137-01	C		240		3000										
10/02/14		CXJ0137-01	G								ND	ND	0.015	ND	ND	0.15	
10/23/14		CXJ1191-01	G						83	200							
10/29/14	categoric	1410B90-01	CG						ND								
12/05/14		CXL0395-01	C					2600									
12/05/14		CXL0395-01	G														624-.009
																	625-.280

Date	Sa Note	Lab ID	c/g	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
01/16/14		CXA0710-01	G	ND												
03/05/14		CXC0252-01	G				33		45	8.2	110	90	20	40	ND	19
04/02/14		CXD0171-01	G		ND	ND		ND								
06/18/14	categoric	CXF0837-01	C					ND								
07/18/14		CXG0958-01	G	ND												
08/07/14	categoric	CXH0307-01	C					ND								
10/02/14		CXJ0137-01	G		ND	0.013		ND								
12/05/14		CXL0395-01	C				17		46	13	340	360	7.1	42	190.00	20

Unifirst Laundry

Total Number of IPP samples collected 2014= 60

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
01/21/14		CXA0808-01	C		260		390										
02/06/14		CBX0227-01	C					1700									
03/12/14		14C1659-01	G						13	25							
04/22/14		CXD0942-01	G								ND	0.016	0.18	0.024	0.033	0.91	
06/06/14		CXF0439-01	C								ND	.02	.18	.024	.04	.81	
08/01/14		CXH0189	G						24	87							
09/23/14		CXI1070-01	C								ND	ND	0.075	ND	0.35	0.017	
10/09/14		CXJ0561-01	G								ND	ND	0.13	ND	0.021	0.3	
11/20/14		CXK0953-01	C		120		240										
12/09/14		CXL0520-01	C					1300									

		c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
02/06/14	CBX0227-01	G				15		12	3.8	420	120	4	280	ND	490
04/22/14	CXD0942-01	G		ND	0.0027		0.00026								
05/28/14	CXE1132-01	G	0.0056												
07/10/14	CXG0458-01	G	0.028												
10/09/14	CXJ0561-01	G		ND	0.004		ND								
12/09/14	CXL0520-01	C				20		13	5.4	290	ND	4.1	270	10	280

Union Pacific Railroad

Total Number of IPP samples collected 2014= 46

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	TTO mg/L
02/10/14		14B11567-0	G						0.7	1.3							
09/04/14		CXI0235-01	G								ND	ND	ND	ND	ND	0.21	
09/04/14		CXI0235-01	G					110									
09/04/14		CXI0235-01	G		110		340										
09/08/14		CXI0445-01	G														624-.061
																	625-ND
12/04/14		1412279-001	G						19	17							
12/04/14		CXL0328-01	G														624-.01522
																	625-1.05
12/04/14		CXL0328-01	G		50		61	210									
12/04/14		CXL0328-01	G								ND	ND	0.14	ND	0.0072	0.63	

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
03/10/14		CXC0461-01	G	ND												
09/04/14		CXI0235-01	G		ND	ND		ND								
09/04/14		CXI0235-01	G				25		20	5	66	210	23.0	43	0.76	1.1
12/04/14		CXL0328-01	G	ND	ND	4.4		ND								
12/04/14		CXL0328-01	G				19		6.9	6.9	19	91	5	16	0.83	18

VALUE PRODUCTS

Total Number of IPP samples collected 2014= 50

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD7 mg/L	TDS mg/L	TRPH mg/L	COD mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	MBAS mg/L
01/29/14		14B0016-01	G						11								
04/02/14		CXD0172-01	G								ND	0.030	0.069	ND	ND	0.3	
06/17/14		CXF0705-01	G		12		3800	11000									1900
06/24/14		CXF0977-01	G							12000							
07/29/14		CXG1205-01	G		19		3000										
08/19/14		CXH0865-01	G								ND	ND	0.032	ND	ND	0.57	
09/10/14		14I1394-01	G						41								
10/01/14		CXJ0133-01	G							8300							
11/07/14		CXK0375-01	G					8000									3300

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
04/02/14		CXD0172-01	G		ND	ND		ND								
06/17/14		CXF0705-01	G				3.9		300	ND	2400	750	13.0	49	9.80	4000
06/24/14		CXF0977-01	G	0.016												
08/19/14		CXH0865-01	G		ND	ND		ND								
08/28/14		CXH1290-01	G	0.076												
11/07/14		CXK0375-01	G				4.7		660	ND	570	190	7	520	2.4	1400

Wilmar Fats & Oils

Total Number of IPP samples collected 2014= 48

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	-SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
02/04/14		CXB0104-01	C					270									
04/30/14		CXE0027-01	C		33		150										
05/08/14		CXE0400-01	G						16.0	100							
06/09/14		CXF0441-01	G								ND	ND	ND	ND	ND	0.072	
07/15/14		CXG0658-01	G						9	120							
08/06/14		CXH0310-01	G								ND	0.014	0.04	ND	ND	1.1	
09/04/14		CXI0239-01	C		100		290										
11/06/14		CXK0306-01	C					480									

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
02/04/14		CXB0104-01	C				9.7		4.1	3.3	72	90	1.7	19	ND	32
03/13/14		CXC0713-01	G	ND												
06/09/14		CXF0441-01	G		ND	0.0046		ND								
08/06/14		CXH0310-01	G		ND	0.011		0.00032								
10/09/14		CXJ0559-01	G	ND												
11/06/14		CXK0306-01	C				17.0		9.6	5.7	63	48	0.4	56	0.78	90

Zacky Kitchens

Total Number of IPP samples collected 2014= 48

Date	Sa Note	Lab ID	c/g	pH units	TSS mg/L	SS mL/L	BOD mg/L	TDS mg/L	TRPH mg/L	O&G mg/L	Cd mg/L	Cr mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	mg/L
01/16/14		14A1366-01	G						17	23							
02/19/14		CXB0833-01	C		190		71										
04/07/14		CXD0380-01	G								ND	ND	0.310	ND	ND	0.270	
05/28/14		CXE1131-01	C					6700									
07/08/14		CXG0298-01	C					2800									
09/04/14		CXI0238-01	G		310		54										
10/14/14		CXJ0763-01	G								ND	ND	ND	ND	ND	0.039	
11/03/14		CXK0152	G						ND	ND							

Date	Sa Note	Lab ID	c/g	CN mg/L	Ag mg/L	As mg/L	Ca mg/L	Hg mg/L	K mg/L	Mg mg/L	Na mg/L	$CaCO_3$ mg/L	NH_4 mg/L	Cl mg/L	NO_3 mg/L	SO_4 mg/L
03/13/14		CXC0714-01	G	ND												
04/07/14		CXD0380-01	G		ND	0.0025		ND								
05/28/14		CXE1131-01	C				7		140	2	2300	170	4	4000	65	12
07/08/14		CXG0298-01	C				7.9		61	2.9	450	100	1.3	1700	16	11
08/05/14		CXH0186-01	G	ND												
10/14/14		CXJ0763-01	G		ND	ND		ND								

CITY OF STOCKTON
Municipal Utilities Department

2014
PRETREATMENT PROGRAM ANNUAL REPORT

ATTACHMENT I

Pretreatment Compliance Inspection

CITY OF STOCKTON

DEPARTMENT OF MUNICIPAL UTILITIES

2500 Navy Drive • Stockton, CA 95206-1191 • 209/937-8750 • Fax 209/937-8708

www.stocktongov.com

November 18, 2014

VIA EMAIL

Nichole Morgan, P.E.
Senior Water Resource Control Engineer
NPDES Compliance and Enforcement Unit
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive #200
Rancho Cordova, CA 95670-6114

PRETREATMENT COMPLIANCE AUDIT SUMMARY REPORT, INDUSTRIAL PRETREATMENT PROGRAM, CITY OF STOCKTON - RESPONSE SUBMITTAL

I have reviewed your Pretreatment Compliance Audit (PCA) Summary Report, dated September 19, 2014 (copy enclosed). This report documents the inspection of the City of Stockton's Industrial Pretreatment Program conducted on May 21st and 22nd of 2014 by PG Environmental, LLC on behalf of the U.S. EPA and Central Valley Regional Water Quality Control Board to evaluate compliance with Waste Discharge Requirements Order R5-2008-0154 (NPDES No. CA0079138).

Section 13.1 of the PCA report contains a summary of the findings of the inspection and includes requirements for the City's Industrial Pretreatment Program based on these findings. Each item specified in Section 13.1 is listed below along with the City's response to each, indicating the actions that have been implemented, or will be implemented, to address these requirements.

In addition, these corrective actions will serve to comply with requirements contained in the Pretreatment Compliance Inspection (PCI) Summary Report, dated August 2, 2013 (copy enclosed). This report documents the inspection of the City of Stockton's Industrial Pretreatment Program conducted on March 27, 2013 by CDM Smith on behalf of the U.S. EPA and Central Valley Regional Water Quality Control Board. The City's responses to that report, dated September 30, 2013 and June 11, 2014, are enclosed for your review.

13.1 Requirements

1. According to the 2013 inspection report, in the violations section of the SUO, the minimum penalty of $1,000 must be corrected per 40 CFR 403.8. The penalty must be $1,000 per day per violation. In response to this requirement, the City stated the specification of the minimum penalty of $1,000 per day for each violation would be added to both the SUO and ERP prior to July 1, 2014. Notification to the Regional Water Board of non-substantial modifications to the City's IPP for these revisions would be provided within the required timeframe. As a component of the 2014 audit, the City's SUO and ERP were reviewed for this provision. The modifications had not been implemented in the SUO or ERP; however, the deadline of

Stockton
All-America City
2004
1999

PRETREATMENT COMPLIANCE AUDIT SUMMARY REPORT, INDUSTRIAL PRETREATMENT PROGRAM, CITY OF STOCKTON - RESPONSE SUBMITTAL

July 1, 2014 had not passed at the time of the audit. The City representative stated that the ERP would be modified during the same time that modifications were made to the SUO. The City is required to ensure that its SUO and ERP are modified to include this correction. (Section 3, *Pretreatment Program Modifications)*

Response: The required modifications to both the SUO and ERP will be completed prior to July 1, 2015. Notification to the RWQCB of nonsubstantial modifications to the City's Industrial Pretreatment Program for these revisions will be provided within the required time frame.

2. Additionally, a review of the City's SUO revealed that "bypass" is defined, but the City does not include wording in the SUO prohibiting a bypass or requiring immediate notification in the event of a bypass as stated in the federal regulations at 40 CFR 403.17. Although the City addresses bypasses in the *General Permit Conditions* of the SIU permits, it does not refer to bypasses in the SUO. The City is required to ensure that it has the proper legal authority to address bypasses and should include information in the SUO pertaining to bypasses, whether it be prohibition of bypasses or notification of bypasses that take place in accordance with the federal regulations at 40 CFR 403.17 (Section 5, *Legal Authority).*

Response: The required modifications to the SUO will be completed prior to July 1, 2015. Notification to the RWQCB of nonsubstantial modifications to the City's Industrial Pretreatment Program for these revisions will be provided within the required time frame.

3. The City representative indicated on the legal authority review checklist that section 13.08.320(B) of the City's SUO includes the requirement for industrial users to collect samples that are representative of the discharge from their facilities as stated in 40 CFR 403.12(g)(3) of the federal regulations. Section 13.08.320(B) of the SUO refers to the recordkeeping and certification requirements, but does not explicitly require that representative samples be collected at the facility. The City is required to have the proper legal authority to ensure that SIUs collect representative samples in accordance with 40 CFR 403.12(g)(3) of the federal regulations (Section 5, *Legal Authority).*

Response: The required modifications to the SUO will be completed prior to July 1, 2015. Notification to the RWQCB of nonsubstantial modifications to the City's Industrial Pretreatment Program for these revisions will be provided within the required time frame.

4. According to the 2013 inspection report, the City's SUO was missing sampling collection procedures that are required by 40 CFR 403.12(g). The inspection report also stated that this was a streamlining rule requirement that must be included in all local control mechanisms. In response to this requirement, the City stated that sampling collection procedures required by 40 CFR 403.12(g) would be added to the SUO prior to July 1, 2014. Notification to the Regional Water Board of non-substantial modifications to the City's IPP for these revisions would be provided within the required timeframe. As a component of the 2014 audit, the City's SUO was reviewed and it was determined that the sampling collection procedures required by 40 CFR 403.12(g) had not been added to the City's SUO. It should be noted that the City representative informed the audit team that SUO modifications included in the 2013 inspection

PRETREATMENT COMPLIANCE AUDIT SUMMARY REPORT, INDUSTRIAL PRETREATMENT PROGRAM, CITY OF STOCKTON - RESPONSE SUBMITTAL

report would not be completed until the City received the 2014 audit report. Additionally, this provision is included in item number nine of the standard condition section of the industrial user permits but not in the SUO. The City is required to ensure that this streamlining provision stated at 40 CFR 403.12(g) (specifically the submission of all monitoring data) is included in its SUO. (Section 5.1, *Streamlining Updates)*

Response: The required modifications to the SUO will be completed prior to July 1, 2015. Notification to the RWQCB of nonsubstantial modifications to the City's Industrial Pretreatment Program for these revisions will be provided within the required time frame.

5. According to the definitions section of the SUO, the term SNC "means as defined by 40 CFR 403.8(f)(2)(vii)." This is the incorrect citation for the federal definition of SNC; the correct citation is 40 CFR 403.8(f)(2)(viii). Further, it is recommended that the City include the entire definition of SNC in the definitions section of the SUO instead of incorporating the definition by reference. If the City intends to continue to include the definition of SNC in the SUO by reference, it is required to state the correct federal regulation citation. (Section 5.1, *Streamlining Updates)*

Response: The required modifications to the SUO will be completed prior to July 1, 2015. Notification to the RWQCB of nonsubstantial modifications to the City's Industrial Pretreatment Program for these revisions will be provided within the required time frame.

6. The City representative indicated on the legal authority review checklist that section 13.08.320(C) of the City's SUO includes the streamlining provision requiring IUs to notify the POTW of changes at the facility affecting the potential for a slug discharge. Section 13.08.320(C) of the City's SUO refers to the notification regarding a hazardous waste discharge and discharges that differ from the terms of the permit. However, the streamlining provision requiring the IU to notify the POTW of changes affecting the potential for a slug discharge are not specifically stated. Although the requirement is included as item 20.d of the *General Permit Conditions* of the SIU permits, it is not explicitly stated in the SUO. Therefore, the City is required to ensure that it has the proper legal authority to implement this streamlining provision as stated at 40 CFR 403.8(f)(2)(vi) of the federal regulations. (Section 5.1, *Streamlining Updates)*

Response: The required modifications to the SUO will be completed prior to July 1, 2015. Notification to the RWQCB of nonsubstantial modifications to the City's Industrial Pretreatment Program for these revisions will be provided within the required time frame.

7. According to 40 CFR 403.5(c) of the federal regulations, each POTW developing a pretreatment program shall develop and enforce specific limits. Section 13.08.250 of the City's SUO lists the City's specific local limits. The SUO reads, "No person shall discharge wastewater containing in excess of..." and goes on to list the local limits. It was unclear to the audit team how these limits are to be applied (e.g., daily maximum, instantaneous maximum). However, the table provided in the self-monitoring sample program section of the Tankerwash permit includes footnotes for the discharge limit column of the table; the footnotes indicate how

PRETREATMENT COMPLIANCE AUDIT SUMMARY REPORT, INDUSTRIAL PRETREATMENT PROGRAM, CITY OF STOCKTON - RESPONSE SUBMITTAL

the discharge limit is to be applied as an instantaneous maximum, a daily maximum, or a monthly maximum. It should be noted that the limits identified as "local limits" are applied as instantaneous maximums. The City is required to amend its SUO and specifically state how the local limits are to be applied to ensure that it has the proper legal authority to enforce these limits in accordance with the federal regulations at 40 CFR 403.5(c). (Section 5.2, *Local Limit Application)*

Response: The required modifications to the SUO will be completed prior to July 1, 2015. Notification to the RWQCB of nonsubstantial modifications to the City's Industrial Pretreatment Program for these revisions will be provided within the required time frame.

8. In reviewing the final discharge location at the Diamond Foods facility, it was observed that wastewater and solids had accumulated in the manhole, making it difficult to see the final discharge pipe. During the inspection, the City inspector advised the facility resolve the issue. The facility contact phoned the facility maintenance department to clear the flume. The maintenance personnel arrived at the flume, removed the solids from the flume, and transported them via bucket to the solids tank, which ultimately led to the filter press. Item number 3 of the general conditions of the facility's permit states that the "permittee shall insure that all pretreatment facilities, including but not limited to flow measuring and sampling equipment, are maintained in proper working order at all times." Although it appeared that the City and facility's maintenance department took the proper corrective action steps during the inspection, the City is required to ensure that the facility properly maintains its pretreatment devices in accordance with item number 3 of the standard conditions of the facility's permit. Further, it is recommended that the City follow-up with the facility to ensure that the solids were properly removed from the final discharge point and to evaluate the root cause of the solids accumulation. It is also recommended that the City work with the facility to develop a standard operating procedure (SOP) for removing solids and cleaning the final discharge point. It may be beneficial for the facility to keep a log of these solid accumulation events. (Section 9.3, *Nondomestic Discharge Site Inspections Conducted during the Audit)*

Response: The City is continuing to monitor this situation closely to ensure that Diamond Foods properly maintains its pretreatment devices in accordance with permit requirements. Diamond Foods has determined the root cause of this problem and has developed a scheduled SOP for maintaining and cleaning the final discharge sewer line to prevent solids from accumulating. The City will continue to follow-up on these corrective actions and verify that all work is performed properly and within the scope of Diamond's Wastewater Discharge Permit and that all solids which are removed are handled and disposed of properly.

9. The self-monitoring report for New Stockton Poultry dated September 9, 2013 was reviewed. The chain of custody forms for the samples collected were not provided with the self-monitoring report. According to the federal regulations at 40 CFR 403.12(g)(3), compliance monitoring reports must be based upon data collected in accordance with the protocols (including appropriate preservation methods) specified in 40 CFR 136. Without the chain of custody forms, it would be difficult for the City to provide evidence stating how the

PRETREATMENT COMPLIANCE AUDIT SUMMARY REPORT, INDUSTRIAL PRETREATMENT PROGRAM, CITY OF STOCKTON - RESPONSE SUBMITTAL

samples were collected and preserved. The City is required to ensure that the chain of custody forms are completed and submitted with the self-monitoring reports from SIUs in order to provide evidence showing the appropriate methods and preservation were used for samples in accordance with the federal regulations at 40 CFR 403.12(g)(3). (Section 9.4, *Requesting, Receiving, and Analyzing Reports)*

Response: Since becoming aware of this finding during the Pretreatment Compliance Audit, the City has taken steps necessary through additional training of staff and revising monthly checklists to ensure that all analytical reports received from industrial users contain the necessary chain of custody forms. Since June 2014, New Stockton Poultry has submitted all required chain of custody forms to the City and these forms are on file within the Department.

10. According to the "Escalating Enforcement Response Guide" found on page 3 of the City's ERP, in response to a "hazardous" discharge, the City is to both issue a cease and desist order and fine the industrial user. According to the definitions section, on page 5 of the City's ERP, for the definition of "hazardous", the reader is directed to the definition "in 40 CFR Part 261.3 or California Administrative Code Title 22, Article 11." After a review of the facility's file, it appeared that the City issued an NOV to the facility but did not issue a fine. The City is required to ensure that it is properly implementing its ERP as required by 40 CFR 403.5 of the federal regulations. (Section 10, *Enforcement)*

Response: The City did not issue a fine for this violation due to the fact that the pH discharge of greater than 12.5 occurred for a duration of approximately one minute and consisted of approximately twenty two (22) gallons of wastewater discharged to the City sewer. This data was verified by the City of Stockton as being accurate prior to the issuance of the enforcement action.

In response, the City intends to modify its ERP to include provisions to determine the appropriate level of enforcement response based on the following factors: type and severity of the violation; impact to the POTW; impact to the environment; impact to public health and safety; recent history of noncompliance; duration of non-compliance; good faith effort and commitment of the violator; and economic benefit to the violator. These modifications to the ERP will be completed prior to July 1, 2015. Notification to the RWQCB of nonsubstantial modifications to the City's Industrial Pretreatment Program for these revisions will be provided within the required time frame.

In addition, the City realizes the necessity to carefully review all elements of its current SUO and ERP and make any additional required changes in addition to any voluntary changes to improve both documents. The City is currently in the process of conducting a side-by-side comparison of these documents with both the "EPA Model Pretreatment Ordinance" (January 2007) and "EPA Guidance for Developing Control Authority Enforcement Response Plans" (September 1989). When the City has completed this process, draft versions of both documents will be sent to the City's private consulting firm for review and comments. Then the final draft versions of both documents will be sent to the RWQCB within the required forty five (45) day time period prior to implementation to provide the required notification of nonsubstantial modifications to the City's

PRETREATMENT COMPLIANCE AUDIT SUMMARY REPORT, INDUSTRIAL PRETREATMENT PROGRAM, CITY OF STOCKTON - RESPONSE SUBMITTAL

Industrial Pretreatment Program, as specified in 40CFR403.18(d). After this time period, both documents will be presented to Stockton City Council for adoption. The anticipated date for completion of this entire process is July 1, 2015.

I appreciate the time and effort provided by the U.S. EPA, Central Valley Regional Water Quality Control Board, and PG Environmental, LLC in reviewing the City of Stockton's Industrial Pretreatment Program and providing requirements and recommendations that will assist in improving our program.

If you have any questions regarding this submittal, please contact Richard K. Stiffler, Technical Services Supervisor and Industrial Pretreatment Program Coordinator, at (209) 937-8740.

C. MEL LYTLE, Ph.D.
DIRECTOR OF MUNICIPAL UTILITIES

CML:RKS:mll

Enclosures: Pretreatment Compliance Audit Summary Report, September 19, 2014
Pretreatment Compliance Inspection Summary Report, August 2, 2013
City of Stockton Response to Pretreatment Compliance Inspection Summary Report, September 30, 2013
City of Stockton Response to Pretreatment Compliance Inspection Summary Report, June 11, 2014

cc: Amelia Whitson; Kenneth Greenberg; Luis Garcia-Bakarich
U.S. EPA Region 9, Clean Water Act Compliance Office
(WTR-7) Water Division, 75 Hawthorne Street, San Francisco, CA 94105

emc: Russell Norman, Division of Water Quality, State Water Resources Control Board,
(via email: NPDES_Wastewater@waterboards.ca.gov)

Mohammad Farhad, Central Valley Regional Water Quality Control Board
(via email: mfarhad@waterboards.ca.gov)

Ba Than, City of Stockton, Deputy Director of Collections and Maintenance
Margaret Orr, City of Stockton, Deputy Director of Wastewater

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SECRETARY FOR
ENVIRONMENTAL PROTECTION

Central Valley Regional Water Quality Control Board

Received
SEP 22 2014
Municipal Utilities

19 September 2014

Debbie Livermore
Regulatory Compliance Officer
City of Stockton
2500 Navy Drive
Stockton, CA 95206

PRETREATMENT COMPLIANCE EVALUATION INSPECTION FOR THE CITY OF STOCKTON, REGIONAL WASTEWATER CONTROL FACILITY, SAN JOAQUIN COUNTY

Attached is a copy of a pretreatment audit report for the City of Stockton (City) Regional Wastewater Control Facility. The inspection was conducted on 21 and 22 May 2014 by PG Environmental, LLC, a USEPA contractor, to evaluate compliance with Waste Discharge Requirements Order R5-2008-0154 (NPDES No. CA0079138).

Please respond by **14 November 2014**, indicating the actions that have been implemented, or will be implemented, to address the requirements found on page 30 through 32 of the enclosed *Pretreatment Compliance Audit Summary Report*. The report also includes recommendations on pages 33 through 35 for your consideration. If you disagree with any of the enclosed findings, please provide an explanation and any supporting information necessary.

If you have any questions, please contact Mohammad Farhad at (916) 464-4623 or mfarhad@waterboards.ca.gov.

Wendy Wyels
for Nichole Morgan, P.E.
Senior Water Resource Control Engineer
NPDES Compliance and Enforcement Unit

Enclosure: Pretreatment Compliance Audit Summary Report

cc w/o enclosure:
Kenneth Greenberg, USEPA, Region 9, San Francisco
Luis Garcia-Bakarich, USEPA, Region 9, San Francisco
Amelia Whitson, USEPA, Region 9, San Francisco
Russell Norman, Division of Water Quality, Sacramento

Pretreatment Compliance Audit

Summary Report

Discharger:	City of Stockton NPDES Permit No. CA0079138
Location:	2500 Navy Drive Stockton, California 95206
Contact:	Richard Stiffler, Technical Services Supervisor
Audit Dates:	21–22 May 2014
Audited By:	Kettie Holland, PG Environmental, LLC Anthony D'Angelo, PG Environmental, LLC Russell Norman, California State Water Resources Control Board

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1. Executive Summary

This report includes several requirements and recommendations to enhance the operation of the City of Stockton's (City's) pretreatment program. The requirements are provided in section 13.1 of this report. From the recent audit, the City is required to ensure that its sewer use ordinance (SUO) is modified to include the required streamlining provisions. It is also required that the City amend its SUO and enforcement response plan (ERP) to consistently state the requirements for penalties as $1,000 per violation per day. The City is also required to ensure that it has the proper legal authority to address bypass and to require that representative samples be collected at industrial user (IU) facilities. The City is required to state how its local limits should be applied in the SUO. The City is also required to ensure that IUs properly maintain their pretreatment devices in accordance with their permit. The City is required to ensure that chain of custody forms are submitted with self-monitoring data from industrial users. Lastly, the City is required to ensure that it is properly implementing its ERP.

Recommendations for the City's pretreatment program are also included in Section 13.2 of this report. From the recent audit several recommendations were made, for instance, it is recommended that the City (1) continue to promote and assist the Drug Enforcement Administration (DEA) in advertising pharmaceutical take-back events and (2) continue to evaluate the need to develop a dental mercury management program. It is also recommended that (3) the City continue to provide public outreach for residential sanitary sewer overflow identification and (4) continue to monitor and inspect IUs that are going through close-out procedures. It is recommended that (5) the City continue to distribute outreach material on the proper disposal of nonwoven disposal products and (6) work with IUs as their pretreatment systems are modified. It is also recommended that (7) the City ensure that chemicals are properly stored with adequate secondary containment and (8) that bound notebooks are used for logging important wastewater related information at IU facilities. It is also recommended that (9) the City ensure that correct monitoring recording procedures are followed and (10) that pretreatment devices are properly selected to ensure adequate treatment of wastewater. It is also recommended that (11) the City include the entire definition of significant noncompliance in its SUO and (12) that the City follow-up with facilities to ensure that solids are removed from final discharge location at the Diamond Foods facility and that (13) standard operating procedures be developed for removing solids from the facility's final discharge point.

2. Introduction

On behalf of the Central Valley Regional Water Quality Control Board (Regional Water Board), PG Environmental, LLC conducted a pretreatment compliance audit (audit) of the City of Stockton's (City's) pretreatment program on 21/22 May 2014. The last inspection of the City's pretreatment program was performed in March 2013. This report describes the primary concerns generated by the recent audit.

The files of three non-categorical significant industrial users (SIUs), two zero-discharging categorical industrial users (CIUs), and one CIU were reviewed during the audit to provide a general overview of the City's pretreatment program. The following facility files were reviewed:

- Diamond Foods (non-categorical SIU).
- New Stockton Poultry (non-categorical SIU).

- Rotor-Tech, International (zero-discharging CIU subject to 40 CFR 433).
- Tankerwash USA, Inc. (CIU subject to 40 CFR 442).
- Western Square Industries, Inc. (zero-discharging CIU subject to 40 CFR 433).
- Wilmar Oils and Fats (Stockton) LLC (non-categorical SIU).

Onsite inspections were also conducted at the above facilities as a component of the audit. Refer to Section 9.3, *Nondomestic Discharger Site Inspections Conducted during the Audit*, for more information.

2.1 Size of Program

The City's pretreatment staff manages a pretreatment program that consists of 50 permitted nondomestic dischargers. According to the City's 2013 Annual Pretreatment Report, the City has classified 50 of the dischargers as SIUs as defined at Title 40 of the *Code of Federal Regulations* (CFR) section 403.3(v). The City has classified 16 of these SIUs as CIUs, 7 of which are zero-discharging. The City has also classified one groundwater remediation site as an SIU.

The City has a hauled waste program which consists of 14 permitted dischargers and includes 1 ground water remediation site. The City accepts septage, portable toilet waste, remediated groundwater, and brown grease in addition to hauled industrial waste (under the issuance of a special permit). The City collects samples from the waste haulers at a minimum of once a year, unannounced. The sample is collected at the City's Regional Wastewater Control Facility (RWCF) and analyzed for the following parameters: cyanide, total petroleum hydrocarbons (TPH), pH, and metals. The City also requires that waste haulers have a waste manifest for each load of hauled waste discharged at the RWCF. Depending on the constituents expected to be present in the discharge, the City requires the large groundwater remediation site to conduct and submit monthly monitoring reports. Groundwater remediation sites with a smaller volume of discharge are required to submit semiannual monitoring.

The City representative mentioned that the City has a dedicated entrance and receiving station at the RWCF for waste haulers. The receiving station is enclosed and separate from the RWCF. The waste haulers are allowed access to the RWCF receiving station between 6:00 a.m. and 8:00 p.m. seven days per week. The City representative indicated that they have not experienced issues recently with hauled waste at the RWCF.

The City also has an extensive fats, oil and grease (FOG) control program, staffed with inspectors who conduct inspections of food service establishments (FSEs) within the jurisdiction. The City representative informed the audit team that the City had identified approximately 700 FSEs in the service area, none of which were permitted by the pretreatment program. However, the City representative stated that the City has an extensive ordinance in place for regulating the FSEs. It should be noted that the City is under a consent decree for FOG, which is to be complete in 2015. As a component of this program, the FSEs are inspected at least once per year. For more information on the City's FOG control program, refer to section 2.3.5, *Performance Measures*, and section 2.3.6, *Commercial FOG Control Program*, of this report.

2.2 Description of the City's Regional Wastewater Control Facility

The City owns and operates the Stockton RWCF, which has a design flow of 55 million gallons per day (mgd). The RWCF provides primary treatment consisting of screening, grit removal, and primary sedimentation. Secondary containment is also conducted at the RWCF; this consists of high rate tricking filters and secondary clarification. After secondary treatment, the effluent is piped to the tertiary level treatment facility, which consist of facultative ponds, engineered wetlands, two nitryfing biotowers, dissolved air flotation, mixed-media filters, and chlorination/dechlorination. Wastewater is discharged to the San Joaquin River, within the Sacramento-San Joaquin Delta.

Sludge is removed from the primary and secondary sedimentation processes to gravity thickeners; from there it is pumped to anaerobic digesters. The treated sludge is then pumped to a lagoon where anaerobic digestion continues. A dredge is used to pump the concentrated material from the bottom of the lagoon to a belt filter press, and dewatered biosolids are hauled offsite by a private contractor for agricultural reuse.

At the time of the audit the City representative informed the audit team that the City planned to perform a number of rehabilitation and replacement projects at the RWCF as part of a capital improvement project (CIP) plan. The project consists of a two phases, with completion planned for 2016. The City representative provided the audit team with the *Capital Improvement and Energy Management Plan for the RWCF*, dated August 2011. According to the plan, the following rehabilitation and replacement projects will take place at the RWCF:

- Headworks—new screens and grit removal system.
- Secondary biotowers—upgrade structural/seismic features and replace media, distributor arms, and ventilation system.
- Secondary effluent pump station—expand pumping capacity.
- Cold weather nitrifying biotower supply system—improve ammonia removal during extreme cold weather.
- Solids dewatering—replace with new, more efficient dewatering system.
- Anaerobic digesters—rehabilitate Digesters A, B, and C, including installing new heating and mixing systems.
- Support facilities—improve/expand operations support facilities.

The City representative stated that the Port of Stockton (Port) is within the City's jurisdiction and is obligated to abide by the City's ordinance. The City representative provided the audit team with a letter regarding the need for a memorandum of understand (MOU) for sewer service (pretreatment program) between the City and the Port. According to the letter, the City Attorney stated that the Port and City did not need to develop an MOU because the Port is within the City's corporate limits; therefore, the City may enforce its pretreatment ordinance at the Port.

The City is also responsible for implementing the pretreatment program in areas of San Joaquin County (County). The City representative provided the audit team with an MOU between the City and the County dated December 1993. The MOU states that unincorporated areas of the County that are located within the metropolitan area of the City and that are either directly connected to or are serviced by the City's sewer system are subject to the pretreatment program.

The MOU also states that the County is to adopt an ordinance pertaining to the pretreatment program that is at least as stringent as that of the City.

The City considers the Port and the County as contributing jurisdictions and implements all aspects of the pretreatment program within these areas. These responsibilities include identifying potential nondomestic dischargers, notifying industrial users of requirements, issuing control mechanisms, receiving and reviewing reports submitted by IUs, conducting inspections and compliance monitoring, and enforcing pretreatment standards.

2.3 Focus Topics

The audit team discussed the following topics regarding other industrial pretreatment activities with the City representative. Additional information on the City's activities in these areas is provided in section 12, *Pretreatment Program Outreach*, of this report.

2.3.1 Significant Noncompliance

The City's Technical Services Supervisor is responsible for calculating the number of SIUs in significant noncompliance (SNC). These calculations are completed by hand using the most recent guidelines for SNC calculations. In 2013, four of the City's SIUs were in SNC. Two SIUs, California Spray Dry Co. and Wilmar Oils and Fats, were in SNC for reporting requirements. The remaining SIUs, New Stockton Poultry and California Health Care Facility Department of Corrections and Rehabilitation, were in SNC for hazardous waste discharge violations (i.e., wastewater with a pH greater than 12.5 standard units [s.u.]). The City representative reported that the SIUs had returned to compliance at the time of the audit.

It should also be noted that the City's sewer use ordinance (SUO) does not explicitly state the definition of SNC, but provides a reference to the citation in the federal regulations. (The citation is incorrect, see section 5.1 of this report for more information.) However, after the audit, the City provided the audit team with a modified draft version of the SUO which contained the correct citation to the federal regulations for the SNC definition, updated SNC definition, and the 45-day late reporting provision. The City's enforcement response plan (ERP) states that a facility is in SNC if it fails to provide a required report within 45 days of the report's due date. For more information on the City's SUO, refer to section 5, *Legal Authority* and section 5.1, *Streamlining Updates* of this report.

2.3.2 Pharmaceutical Recovery

The City does not have a formal pharmaceutical recovery program. However, the City provides information on the proper disposal of pharmaceutical wastes via a bill insert with the sewer bill. The City also promotes and participates in the Drug Enforcement Administration's (DEA's) pharmaceutical take-back days, which occurs in April and October. In addition, the City provides assistance for the County's Household Hazardous Waste Program, which accepts unwanted pharmaceuticals for proper disposal. The County's household hazardous waste collection facility is open two to three days per week from 9:00 a.m. to 3:00 p.m. It is recommended that the City continue to promote and assist the DEA in advertising pharmaceutical take-back events within the community, as pharmaceutical wastes in the City's effluent may be detrimental to aquatic life.

2.3.3 Dental Mercury

The City had not implemented a formal dental mercury management program at the time of the audit. However, the City representative stated that the City was investigating the feasibility of implementing the program. The first step in the evaluation would be identifying sources of mercury. The City had not begun a formal source identification investigation at the time of the audit. The City representative stated that the pretreatment program plans to evaluate the need for a dental mercury management program after the consent decree for the FOG program is complete, which is planned for 2015.

According to the City's National Pollutant Discharge Elimination System (NPDES) permit, the interim effluent limitation for mercury shall not exceed 0.92 pounds annually. The City's local limit for mercury is 0.1 mg/L (milligrams per liter) and, according to the SIU permits, it is to be applied as an instantaneous maximum. The City provided graphs of the RWCF's influent, effluent, and sludge mercury concentrations since 2009. From this data, it appears that the mercury measured in the influent at the facility increased from 2009 until 2012, but has since decreased. The final effluent mercury concentration was steady from 2009 to 2011, then spiked between 2012 and 2013. The City representative reported that the spike was the result of one sample. It was difficult to determine a trend for the mercury concentration of the sludge from the RWCF, but it appeared generally unchanged. It is recommended that the City continue to evaluate the feasibility of implementing a dental mercury management program and to investigate sources of mercury that may cause spikes in the data trends.

2.3.4 Industrial Laundries

At the time of the audit, two industrial laundry facilities, Unifirst Corporation and Cintas Laundry Corporation, were located within the City's service area as well as a number of permitted commercial laundry facilities. The City has also permitted two soap and detergent manufacturers, ChemStation of Northern California and Value Products, Inc. as SIUs.

The City has discussed the U.S. Environmental Protection Agency's (EPA's) Safer Detergents Stewardship Initiative (SDSI) program with the detergent manufacturer and industrial laundries. The City representative provided the audit team with a flyer designed to inform the industrial laundries about participating in the EPA's SDSI program, which was provided to the industrial laundry facilities. The flyer includes information about the purpose of the SDSI program, eligible participants, and how to obtain recognition. The City representative informed the audit team that Cintas Laundry was planning to participate in the SDSI program and that the ChemStation facility was manufacturing "green products" and has thus reduced the use of nonylphenol ethoxylates (NPEs) in their products. The City representative also mentioned that another laundry, Aramark, was planning to move into the City's jurisdiction. The City representative indicated that the pretreatment program planned to discuss the SDSI program with the new laundry.

2.3.5 Performance Measures

The City representative informed the audit team that there have been a number of areas within the City's collection system with corrosion, mainly attributed to the accumulation of hydrogen sulfide. The City's collection crew has been collecting data and compiling an inventory of areas of the system that are in need of rehabilitation. At the time of the audit, the City had compiled a list of approximately 100 utility holes in need of maintenance; the most severe locations are on a

CIP list. The City has not identified areas in the collection system with corrosion due to industrial user discharges, although such areas have been identified in the past.

The City reported experiencing 15 FOG-related sanitary sewer overflows (SSOs) between May 2013 and March 2014. Five of the SSOs occurred in the main lines, which are the City's property, and the 10 remaining SSOs occurred in sewer laterals, on private property. The City representative mentioned that the City is not responsible for conducting private lateral cleaning but provided this service to residents who have experienced a blockage. The City representative also mentioned that the City has had an issue with residents not immediately reporting SSOs (e.g., may not report an SSO for two weeks or more). The City provides commercial and residential outreach material for proper FOG handling in response to these FOG-related SSOs. It is recommended that the City continue to develop and distribute outreach materials to residents about properly disposing of FOG waste and procedures for reporting SSOs. Target outreach should be provided to areas with high volumes of residential housing and areas housing numerous FSEs.

2.3.6 Commercial FOG Control Program

As noted in section 2.1, *Size of Program*, the City has an extensive FOG control program, which consists of conducting inspections, providing training, taking enforcement actions, and providing education and outreach material for approximately 700 FSEs. The broad efforts of the FOG program are a result of a consent decree, which according to the City is to be completed in 2015.

As a component of the audit, the City representative provided the audit team with the FOG Control Program Annual Report dated March 2014. According to the report, the City's *FOG Control Ordinance* was adopted by City Council in January 2010. The *FOG Control Ordinance* is codified in Stockton Municipal Code Chapter 13.40 and provides the legal authority for the City to implement the FOG control program. According to the FOG Control Program Annual Report, during the 2013 inspection year, the City determined the need to closely monitor all FSEs that had experienced reoccurring compliance problems. The City focused on these facilities by performing additional follow-up monitoring and increased enforcement in order to achieve more consistent compliance with FOG regulations. The City also drafted a *FOG Enforcement Response Plan* to establish general responsibilities for enforcement of the *FOG Control Ordinance*. From August 2012 to December 2013 the City reported 553 total enforcement action cases, issuing 453 notices of violation, and 3 issuances of cease and desist orders. Additionally, the City has developed and implemented a *FOG Control Action Plan* (FCAP), which documents the procedural elements of the FOG control program.

The City has also developed a "Grease Disposal Mitigation Fee," which is assessed annually on all existing FSEs that have been granted conditional waivers for grease interceptor installation due to their lack of physical space for the devices. The fee helps to offset the City's cost for additional cleaning of these sections of sewer lines. Two FSEs have been granted grease interceptor installation waivers. The City also provides courtesy checks of FSE grease interceptors to assist facilities in determining the proper frequency for grease interceptor pumping and to obtain data necessary to apply for a pumping-interval frequency variance of up to six months.

The City has two dedicated FOG inspectors who, in addition to other FOG-related activities, are responsible for conducting annual inspections at the FSEs. According to the FOG Control Program Annual Report, from August 2012 to December 2013 the City conducted 1,476 inspections, 687 follow-up inspections, 133 courtesy check inspections, and 7 SSO response inspections.

The City provides outreach on proper FOG disposal to FSEs during inspections. The City also mailed informational letters to 950 potential FSEs in 2009, announcing the upcoming FOG control program, in addition to brochures to assist the FSEs in understanding the new requirements of the program. Additional pollution prevention outreach activities performed by the City are described in section 12, *Pretreatment Program Outreach*, of this report.

2.3.7 Potential Cleanups or Criminal Violations

At the time of the audit, the City representative identified one facility that may close and leave a site in need of cleanup requiring public funding. Metalsa was a truck frame manufacturing and powder coating facility meeting the federal categorical requirements to be classified as a metal finisher and subject to the federal regulations at 40 CFR 433. The facility had closed at the time of the audit but the facility's permit was still active. The City continues to conduct monitoring and inspections at the facility. It is recommended that the City continue to inspect and monitor the facility to ensure that hazardous waste or other harmful chemicals are not being discharged to the sanitary sewer. The City should conduct a close-out inspection verifying that the chemicals were properly disposed of once the permit is terminated.

2.3.8 Nonwoven Disposable Products

The City representative informed the audit team that the collection crew has reported issues with nonwoven disposable products accumulating in the collection system, causing issues with the system pumps. The City provides information in utility bill inserts on proper disposal of nonwoven disposable products and distributed newsletters containing articles on the issues caused by nonwoven disposable products over the past six months. It is recommended that the City continue to distribute outreach materials on the proper disposal of nonwoven disposable products to protect the collection system and the publicly owned treatment works (POTW) as a whole.

3. Pretreatment Program Modifications

The federal pretreatment regulations at 40 CFR 403.18 require the City to notify the Regional Water Board of any modifications it intends to make to its pretreatment program. According to the City representative, the City's SUO was last modified in 2009 regarding revisions to the FOG ordinance. The City was in the process of modifying its SUO at the time of the audit in response to the 2013 inspection and to incorporate required streamlining provisions.

According to the 2013 inspection report, the City was required to confirm the Regional Water Board's approval of both the SUO and ERP. In response to this requirement, the City stated that notifications of non-substantial modifications to both the SUO and ERP regarding the City's Industrial Pretreatment Program (IPP) were sent to the Regional Water Board by certified mail on February 25, 2009 and November 18, 2009. As a component of the 2014 audit, the City representative stated that the City provided a 45-day notification to the Regional Water Board before implementing the changes to the FOG section of the ordinance. From the information

provided during the 2014 audit, it appeared that the City was properly notifying the approval authority of non-substantial changes made to the SUO and ERP. The City is reminded that it must notify the Regional Water Board of modifications it plans to make to its pretreatment program in accordance with the federal regulations at 40 CFR 403.18.

According to the 2013 inspection report, in the violations section of the SUO, the minimum penalty of $1,000 must be corrected per 40 CFR 403.8. The penalty must be $1,000 per day per violation. In response to this requirement, the City stated the specification of the minimum penalty of $1,000 per day for each violation would be added to both the SUO and ERP prior to July 1, 2014. Notification to the Regional Water Board of non-substantial modifications to the City's IPP for these revisions would be provided within the required timeframe. As a component of the 2014 audit, the City's SUO and ERP were reviewed for this provision. The modifications had not been implemented in the SUO or ERP; however, the deadline of July 1, 2014 had not passed at the time of the audit. The City representative stated that the ERP would be modified during the same time that modifications were made to the SUO. The City is required to ensure that its SUO and ERP are modified to include this modification.

The City provided the audit team with a draft version of its SUO after the audit. Section 13.08.440.A of the draft SUO has been modified to read "...be civilly liable to the City in a sum of not less than $1,000.00 per violation per day..." Additionally, the Violation Charges section of the ERP states, "there may be assessed a $1,000.00 minimum fine per violation per day." The City should take the necessary steps to promulgate these modifications into the final version of its SUO and ERP.

4. Local Limits

The federal pretreatment regulations at 40 CFR 403.5(c) require POTWs to develop and enforce local limits in order to implement the general and specific prohibitions at 40 CFR 403.5(a) and (b). The pretreatment regulations also require POTWs to continue to develop these local limits as necessary and to effectively enforce the limits.

The City representative was unsure when the local limits were last modified, but estimated that the limits had not been evaluated since approximately 1996 and had not been modified since sometime in the 1980s. The representative added that the City would like to add some parameters and limits to the local limit list and understands that these limits should be reevaluated. The City representative also provided the audit team with documentation describing the technical basis for interim local limits for methanol and ethanol, which were developed in order to provide a limit for these parameters for discharges from biodiesel and ethanol production facilities. These interim local limits had not been formally adopted as part of the City's local limits listed in the SUO at the time of the audit.

The City representative stated that the City plans to reevaluate the local limits once the CIP at the RWCF is completed. Due to the fact that the limits have not been evaluated since 1996 or modified since the 1980s, the City should be aware of its requirement to continue to develop these limits as stated at 40 CFR 403.5(c). The City should plan for a local limit evaluation upon completion of the RWCF CIP.

5. Legal Authority

The federal pretreatment regulations at 40 CFR 403.8(f) require every POTW subject to the national pretreatment program to have the necessary legal authority to apply and enforce sections 307(b) and (c) and section 402(b)(8) of the Clean Water Act. As noted previously, the City was in the process of modifying its SUO in response to the 2013 inspection requirements at the time of the audit. As a component of the 2014 audit, the City's SUO was reviewed to determine its consistency with the federal pretreatment regulations at 40 CFR 403. The City representative provided the audit team with a completed legal authority review checklist, which included the corresponding SUO citations. The following inconsistencies were identified in the City's SUO.

Section 13.08.320 of the City's SUO refers to reporting and monitoring requirements, listing baseline monitoring report submission as an IU requirement. At a minimum, the reports must comply with the reporting requirements set forth in 40 CFR 403.12. According to 40 CFR 403.12(b) of the federal regulations, baseline monitoring reports are to contain the following information:

- Identifying information.
- Other environmental permits held.
- Description of operations.
- Flow measurements.
- Measurement of pollutants.
- Certification statement.
- Compliance schedule (if applicable).

Although these elements are specifically stated at 40 CFR 403.12(b), the City does not explicitly require these elements in section 13.08.320 of its SUO. It is recommended that the City include in its SUO these specific elements of a baseline monitoring report as they are stated in section 40 CFR 403.12(b) of the federal regulations.

Additionally, a review of the City's SUO revealed that "bypass" is defined, but the City does not include wording in the SUO prohibiting a bypass or requiring immediate notification in the event of a bypass as stated in the federal regulations at 40 CFR 403.17. Although the City addresses bypasses in the *General Permit Conditions* of the SIU permits, it does not refer to bypasses in the SUO. The City is required to ensure that it has the proper legal authority to address bypasses and should include information in the SUO pertaining to bypasses in accordance with the federal regulations at 40 CFR 403.17.

The City provided the audit team with a draft version of its SUO after the audit. Section 13.08.320.G of the draft SUO addresses bypass by including the definition of bypass, notification requirements, and prohibition of bypass. The City should take the necessary steps to promulgate these modifications into the final version of its SUO.

The City representative indicated on the legal authority review checklist that section 13.08.320(B) of the City's SUO includes the requirement for industrial users to collect samples that are representative of the discharge from their facilities as stated in 40 CFR 403.12(g)(3) of the federal regulations. Section 13.08.320(B) of the SUO refers to the recordkeeping and certification requirements, but does not explicitly require that representative samples be collected at the SIU facilities. The City is required to have the proper legal authority to ensure that SIUs collect representative samples in accordance with 40 CFR 403.12(g)(3) of the federal regulations.

The City provided the audit team with a draft version of its SUO after the audit. Section 13.08.320.E(1) of the draft SUO addresses the requirement that representative samples be collected at SIU facilities. The City should take the necessary steps to promulgate these modifications into the final version of its SUO.

5.1 Streamlining Updates

According to the 2013 inspection report, the City's SUO was missing sampling collection procedures that are required by 40 CFR 403.12(g). The inspection report also stated that this was a streamlining rule requirement that must be included in all local control mechanisms. In response to this requirement, the City stated that sampling collection procedures required by 40 CFR 403.12(g) would be added to the SUO prior to July 1, 2014. Notification to the Regional Water Board of non-substantial modifications to the City's IPP for these revisions would be provided within the required timeframe. As a component of the 2014 audit, the City's SUO was reviewed and it was determined that the sampling collection procedures required by 40 CFR 403.12(g) had not been added to the City's SUO. It should be noted that the City representative informed the audit team that SUO modifications included in the 2013 inspection report would not be completed until the City received the 2014 audit report. Additionally, this provision is included in item number nine of the standard condition section of the industrial user permits but not in the SUO. The City is required to ensure that this streamlining provisions stated at 40 CFR 403.12(g) (specifically the submission of all monitoring data) is included in its SUO.

Additionally, according to the definitions section of the SUO, the term SNC "means as defined by 40 CFR 403.8(f)(2)(vii)." This is the incorrect citation for the federal definition of SNC; the correct citation is 40 CFR 403.8(f)(2)(viii). Further, it is recommended that the City include the entire definition of SNC in the SUO instead of incorporating the definition by reference. If the City intends to continue to include the definition of SNC in the SUO by reference, it is required to state the correct federal regulation citation.

According to the 2013 inspection report, the recordkeeping requirements for best management practices (BMPs) were not included in the City's SUO. This streamlining rule change is contained in 40 CFR 403.12(o). The City was required to update its SUO to include this streamlining requirement. The City responded to this requirement by stating that the recordkeeping requirements for BMPs required by 40 CFR 403.12(o) would be added to the SUO prior to July 1, 2014. Notification to the Regional Water Board of non-substantial modifications to the City's IPP for these revisions would be provided within the required timeframe. As a component of the 2014 audit, the City representatives discussed this requirement with the audit team. It was unclear if the City was required to implement this provision due to the fact that it was uncertain if CIUs were required to implement specific BMPs. The audit team referred the City to the EPA Region 9 IPP Coordinator for clarification. In the event that it is determined that CIUs have BMP requirements as part of the categorical standard, the City is required to update its SUO to include the recordkeeping requirements for BMPs as stated at 40 CFR 403.12(o) of the federal regulations.

The City representative indicated on the legal authority review checklist that section 13.08.320(C) of the City's SUO includes the streamlining provision requiring IUs to notify the

POTW of changes at the facility affecting the potential for a slug discharge. Section 13.08.320(C) of the City's SUO refers to the notification regarding a hazardous waste discharge and discharges that differ from the terms of the permit. However, the streamlining provision requiring the IU to notify the POTW of changes affecting the potential for a slug discharge are not specifically stated. Although the requirement is included as item 20.d of the *General Permit Conditions* of the SIU permits, it is not explicitly stated in the SUO. Therefore, the City is required to ensure that it has the proper legal authority to implement this streamlining provision as stated at 40 CFR 403.8(f)(2)(vi) of the federal regulations.

The City provided the audit team with a draft version of its SUO after the audit. Table 1 below includes the streamlining revision required to be implemented and the applicable section of the draft SUO in which the streamlining provision has been addressed by the City. The City should take the necessary steps to promulgate these modifications into the final version of its SUO.

Table 1. Streamlining requirement and applicable citation to the City's draft SUO.

Streamlining requirement	Draft SUO reference addressing streamlining requirement
Submission of all monitoring data	Section 13.08.320.F
Revised definition of SNC	Section 13.08.080 and 13.08.500
Recordkeeping requirements for BMPs	Section 13.08.310.F
IUs notifying POTW of changes at the facility affecting the potential for a slug discharge	Section 13.08.150.A(2)

5.2 *Local Limit Application*

According to 40 CFR 403.5(c) of the federal regulations, each POTW developing a pretreatment program shall develop and enforce specific limits. Section 13.08.250 of the City's SUO lists the City's specific local limits. The SUO reads, "No person shall discharge wastewater containing in excess of..." and goes on to list the local limits. It was unclear to the audit team how these limits are to be applied (e.g., daily maximum, instantaneous maximum). However, the table provided in the self-monitoring sample program section of the Tankerwash permit includes footnotes for the discharge limit column of the table; the footnotes indicate how the discharge limit is to be applied—as an instantaneous maximum, a daily maximum, or a monthly maximum. It should be noted that the limits identified as "local limits" are applied as instantaneous maximums. The City is required to amend its SUO and specifically state how the local limits are to be applied to ensure that it has the proper legal authority to enforce these limits in accordance with the federal regulations at 40 CFR 403.5(c).

The City provided the audit team with a draft version of its SUO after the audit. According to section 13.08.250.B of the draft SUO, "no person shall discharge wastewater containing in excess of the following instantaneous limits and/or daily maximum limits..." and goes on to state the City's local limits. The City should take the necessary steps to promulgate these modifications into the final version of its SUO.

6. Nondomestic Discharger Characterization

The federal pretreatment regulations at 40 CFR 403.8(f)(2) require POTWs to develop and implement procedures to identify and locate industrial users that might be subject to the local

pretreatment program. These procedures must also include proper categorization of all SIUs as defined at 40 CFR 403.3(v).

The City has implemented a number of procedures to identify and locate possible nondomestic dischargers. For instance, the City Building Department identifies industrial or commercial facilities with wet processes through reviewing building permits and relays this information to the pretreatment program. The pretreatment program staff reviews water billing records at least annually to identify high or significantly increased volumes of discharged wastewater. The FOG inspectors are responsible for conducting approximately 700 FSE inspections per year. During and en route to these inspections, the FOG inspectors may identify potential nondomestic dischargers; in these cases, they notify the pretreatment program staff. Additionally, the City's collection system crews notify the pretreatment staff if they notice new businesses or if they identify issues while cleaning and inspecting (via closed circuit television) the sewer lines, which are activities conducted on a daily basis. The San Joaquin County Environmental Health Department and Fire Department notify the pretreatment staff if they notice any facilities with a large quantity of hazardous waste during their inspections. The City representative also stated that the pretreatment staff review newspapers, conduct Internet searches, and review EPA's Enforcement and Compliance History Online (ECHO) database for potential nondomestic discharges that may be subject to regulation by the City's pretreatment program. The City's process for identifying potential nondomestic dischargers was adequate.

7. Control Mechanisms

To ensure compliance with applicable pretreatment standards, the federal pretreatment regulations at 40 CFR 403.8(f)(1)(iii) require POTWs to control the discharges from nondomestic dischargers by using control mechanisms (permits or other similar means). Based on the permits reviewed during the 2014 audit, the SIU control mechanisms meet the federal requirements and were deemed adequate.

8. Application of Pretreatment Standards and Requirements

The federal pretreatment regulations at 40 CFR 403.8(f)(1) require the City to have the legal authority to require compliance with applicable pretreatment standards and requirements and to ensure compliance with these standards and requirements through the use of control mechanisms such as permits. The City has correctly classified and permitted the nondomestic users for which files were reviewed during the audit. For more information on the City's legal authority, refer to section 5.0, *Legal Authority*, and section 5.1, *Streamlining Updates*, of this report.

9. Compliance Monitoring

The federal pretreatment regulations at 40 CFR 403.8(f)(2)(v) require a POTW to develop and implement an inspection and monitoring program to determine, independent of information supplied by nondomestic dischargers, compliance or noncompliance with applicable pretreatment standards and requirements. Further, 40 CFR 403.8(f)(2)(vii) requires POTWs to investigate instances of noncompliance and to enforce the regulations as necessary.

9.1 Compliance Sampling

The federal regulations at 40 CFR 403.8(f)(2)(v) require all SIUs to be sampled at least once each year unless the POTW has authorized a CIU to forego sampling of a pollutant regulated by federal pretreatment requirements. Then the POTW must sample for the waived pollutant(s) at least once during the permit term [40 CFR 403.8(f)(2)(v)(A)].

The City conducts compliance monitoring events at various frequencies depending upon the SIU. For instance, monthly samples may be collected at the larger SIUs while quarterly or semiannual samples are collected at smaller facilities. As a component of the 2014 audit, the compliance sampling data for the Tankerwash and New Stockton Poultry facilities was reviewed. The compliance sampling documentation included analytical results, chain of custody forms, and subcontractor sample receipt checklists. The information reviewed during the 2014 audit indicated the City is correctly sampling and documenting its sampling at its SIUs at least once each year.

9.2 Compliance Inspections

The regulations at 40 CFR 403.8(f)(2)(v) require all SIUs to be inspected at least once each year, unless a discharger is subject to the reduced reporting requirements under 40 CFR 403.12(e)(3). The POTW must inspect those dischargers at least once every two years [40 CFR 403.8(f)(2)(v)(C)].

The City representative stated that the City conducts full inspections at the SIUs on an annual basis. During the annual compliance inspections, the City inspector conducts an inspection of the facility using the previous year's inspection report to identify areas at the facility that may have changed. The City inspector then updates the documents with any information on changes at the facility. The inspection reports reviewed consisted of multiple-page narrative reports describing the representatives present for the inspection, administrative information (including information on records reviewed), production processes, process areas, wastewater treatment and monitoring, waste and chemical storage, stormwater, and waste minimization methods.

The City inspectors also conduct a monitoring inspection and produce a one-page written document from this event; the document accompanies a completed chain of custody form. The monitoring inspection form is used to document sample collection activities conducted by the City. The written documentation includes information about sampling times, meter readings, sampling location, analytical method, name of contract lab, the individual collecting the samples, and any significant notes about the event. From the files reviewed during the 2014 audit, the City's inspection frequency and documentation process is adequate.

9.3 Nondomestic Discharger Site Inspections Conducted during the Audit

Site inspections at six permitted nondomestic dischargers were conducted as part of the audit. The dischargers were selected to represent facilities of varying size and classification. The audit team observed the following during these nondomestic discharger site visits:

- *Diamond Foods*. The facility receives and processes various types of nuts including almonds, walnuts, pecans, pistachios, cashews, and macadamia nuts. The facility shells, chops, coats, and packages nuts. The facility also produces walnut oil. The City has

classified the facility as an SIU due to the nature and volume of wastewater discharged from the facility.

The facility was large; a number of areas housed various process operations. Due to the size of the facility, the process areas were inspected fairly quickly.The facility received and sorted various types of nuts. The facility received mostly walnuts and sent them to either the walnut shell processing area or to the whole walnut processing area, which was housed in a separate building and was used for processing walnuts in their shells. This process was not in operation at the time of the site inspection.

The nuts that were processed outside of the shell were cracked, and the walnut meat was sent through a laser sorter, then organized into different bins for processing. The walnut meats passed through a water floatation weir, which removed solids and other debris. The walnut meats were rinsed and then dried prior to further processing. The following areas were inspected during the site visit:

- Roasting/coating lines—This area of the facility had two processing lines: one for nut roasting and the other for coating the nuts with various flavors. The different types of coatings were formulated in kettles. CIP processes took place in this area.

- Packaging area—The nuts from the different processes were transported via conveyer to the packaging area, where they were packed in cylindrically shaped plastic containers or plastic bags. The packaged nuts were stored in the cold storage and warehouse area of the facility.

- Steam dock cleaning—In this area of the facility, metal bins for walnut storage were washed. The bins were steam cleaned and the wastewater from the process was collected and conveyed to the pretreatment system.

- Oil mill—This area of the facility was once used as a cogeneration facility, but at the time of the inspection it was used to press walnut meats for oil production. The oil was extracted from the walnut meat, filtered, and stored in a 5,000-gallon tank. A third-party hauler then pumped the oil from the tank to a tanker truck. The oil was ultimately used in the production of vegetable oil.

The facility discharges pretreated wastewater to the sanitary sewer from the following operations: nut blanching, equipment sanitation, clean-in-place (CIP) processes, spray nozzle water, and wastewater generated from the steam dock area. The facility also discharges untreated boiler blowdown to the sanitary sewer.

The facility's pretreatment system consists of oil and water separation, solids separation, and pH adjustment before the wastewater is discharged to the City's sanitary sewer. Wastewater generated from the steam dock area, equipment sanitation and washing process, and CIP activities is collected via trench drains, then conveyed to the pretreatment system for treatment prior to discharge.

Some of the wastewaters generated at the facility are collected via floor drains and routed to a sump, referred to as "wastewater north." From there, the wastewater is

pumped through a rotary screen and an oil skimmer to remove solids and oil. The wastewater is then pumped to an outdoor treatment pad located at the northwestern corner of the facility. The wastewater enters a sump and is pumped to "Tank 1" (according to the facility's naming convention), which has a capacity of approximately 10,000 gallons. In Tank 1, the pH of the wastewater is measured and either sulfuric acid or sodium hydroxide is added for pH adjustment. The wastewater then goes to the 250-gallon preparation tank, where coagulant is added. From the preparation tank, the wastewater is pumped to the dissolved air floatation (DAF) unit, where solids are skimmed from the top. Next, the wastewater is pumped to a cone-bottom "prep tank," with a capacity of approximately 500 gallons, for additional settling. The wastewater is pumped from the prep tank to "Tank 2," where the pH is measured. In Tank 2, the pH is adjusted and the wastewater is constantly recirculated. The target pH range for wastewater in Tank 2 is between 6.5 and 7.0 standard units (s.u.). From Tank 2, the wastewater overflows to the discharge pipe, which leads to the City's sanitary sewer system. The facility representative explained that the pretreatment system was equipped with pH alarms set at 5.5 s.u. and 9.5 s.u. The facility representative added that the discharge pumps shut off automatically if a pH outside of the 5.5–9.5 s.u. range is detected.

The solids skimmed from the top of the DAF unit are sent to a solids tank and ultimately to a filter press to produce filter cake. The filtrate from the filter press is reintroduced to the DAF unit for treatment.

The discharge location was inspected as part of the site visit. Accumulated solids were observed at the weir of the final discharge point, which leads to the sanitary sewer.

The facility representative also mentioned that the facility planned to make upgrades to the pretreatment system in the future.

During the inspection of the pretreatment system, the facility and City representatives mentioned that the facility planned to upgrade portions of its pretreatment system. These upgrades include replacing the final flume and discharge location, replacing tanks and valves, and generally re-configuring the flow of wastewater from one tank to another. The City was aware of the planned changes to the pretreatment system at the facility. It is recommended that the City continue to stay current on the changes to the facility's pretreatment system and to modify the wastewater discharge permit accordingly.

As a component of the site inspection, the final discharge location at the facility was inspected. The treated wastewater discharged to a pipe, which directed the wastewater through a flume and then to the City's sanitary sewer. The flume and final discharge location were observed from above, looking down into a manhole. Wastewater and solids had accumulated in the manhole, making it difficult to see the discharge pipe and the outline of the flume. The flume appeared to be blocked by accumulated solids. The City inspector mentioned that he had seen solids accumulation in the flume before but had not seen it in this condition for a year or more. During the inspection, the City inspector recommended the facility contact resolve the issue. The facility contact phoned facility maintenance department to clear the flume. The maintenance personnel arrived at the flume, removed the solids from the flume, and transported them via bucket to the

solids tank, which ultimately led to the filter press. The facility representative mentioned that the flume was typically cleaned on an annual basis. Item number 3 of the general conditions of the facility's permit states that the "permittee shall insure that all pretreatment facilities, including but not limited to flow measuring and sampling equipment, are maintained in proper working order at all times." Although it appeared that the City and facility's maintenance department took the proper corrective action steps during the inspection, the City is required to ensure that the facility properly maintains its pretreatment devices in accordance with item number 3 of the standard conditions of the facility's permit. Further, it is recommended that the City follow-up with the facility to ensure that the solids were properly removed from the final discharge point and to evaluate the root cause of the solids accumulation. It is also recommended that the City work with the facility to develop a standard operating procedure (SOP) for removing solids and cleaning the final discharge point. It may be beneficial for the facility to keep a log of these accumulation events.

During the inspection at the facility, a number of chemicals were observed stored in secondary containment; however, a number of chemicals were observed not in secondary containment. For instance, waste oil and a "liquidose" chemical were without secondary containment. It is recommended that the City follow-up with the facility to ensure that adequate secondary containment is provided for chemicals stored at the facility.

During the inspection of a chemical storage closet, the City inspector pointed out that a number of chemicals were stored in a sink without containment; the sink was connected to the sanitary sewer. The City inspector requested that the chemicals be removed from the sink. It is recommended that the City conduct a follow-up inspection to ensure that the chemicals have been removed from the sink and stored properly.

- *New Stockton Poultry*. New Stockton Poultry is a poultry processing facility. The facility prepared and processed approximately 8,000–10,000 live chickens per day for both in-house sale and delivery to the surrounding Central Valley and Bay areas. The facility has been classified as an SIU due to the volume and characteristics of the wastewater discharged to the City.

  The birds were received in crates at the receiving area of the facility, located on San Joaquin Street. Birds were first hung by their feet on a conveyor system, which conveyed the birds to the kill floor. There, the birds were dipped into a water tank (referred to as the stun tank) and stunned by an electric current until they were unconscious. The birds were removed from the stun tank and cut at the throat. Blood from the birds was drained over a metal container and collected for disposal with other tallow wastes generated at the facility.

  After leaving the kill floor, the bird carcasses were sent through a 2,000-gallon scalder tank to loosen the feathers; the scalder tank was constantly replenished with hot water to maintain the temperature. Overflow water from the scalder tank was collected by floor drains and sent to a three-stage grease interceptor. From the scalder tank, the birds were

sent through a picker spray machine to remove the large feathers. Wastewater generated from the picker spray machine was collected in floor drains and sent to a three-stage grease interceptor. Small feathers left on the birds were removed by hand. Once the birds were defeathered, they were sent to the evisceration line, where the innards, heads, and feet were removed, washed, and sorted. Unusable innards were discarded into the tallow bin. The birds' gizzards, livers, and hearts were washed and chilled to be sold to various vendors. The remaining parts were then washed, chilled, weighed, and packaged for sale. The facility generates a large amount of ice on a daily basis to chill the birds and gizzards. Melted ice was collected in the facility floor drains and sent to the pretreatment system before being discharged to the sanitary sewer.

The facility discharges pretreated process wastewater from chicken defeathering, cleaning, cutting, and deboning processes to the City's sanitary sewer.

Wastewater from the scalder unit, feather-picker spray unit, evisceration line, and final wash process is collected in screen-covered floor drains, which flow to a three-stage grease interceptor. Wastewater from the final stage of the interceptor is pumped to a sump pit located near the evisceration line. In addition, a gizzard wash tank located near the evisceration line also discharges process water to the sump pit. In 2012, a grease trap was installed downstream of the gizzard wash tank and upstream of the sump to separate and collect oil and grease from the wash water.

From the sump, wastewater is pumped through a rotary drum to remove solids, such as feathers and bones. Wastewater is then pumped to an elevated dissolved air flotation (DAF) unit, located in the chicken receiving room. The facility does not use treatment chemicals for the DAF unit. Effluent from the DAF is discharged to the sewer system via an underground vault on Lafayette Street, outside of the facility's break room/wastewater monitoring room.

Solids removed from the rotary drum are collected in a tallow bin and hauled offsite. Additionally, solids and grease are skimmed from the top of the DAF unit, collected in a tallow bin, and hauled offsite.

- *Rotor-Tech, International*. The facility repaired and refurbished metal and composite helicopter rotor blades and tail blades. The blades were inspected, sanded, prepped for painting (with an alkaline cleaner), painted, and balanced by the facility. The facility did not discharge process wastewaters generated at the facility; therefore it is a zero discharge facility. The facility submits written reports twice per year to the City certifying that no discharge of process wastewater to the sanitary sewer occurred at the facility.

In addition to various administrative offices, a mechanic shop, and a library, the facility had four main process areas, which were inspected as a component of the site visit:

  - Main shop floor—This area of the facility was used to inspect and repair helicopter blades received from customers. Once the blades were inspected to determine the exact scope of work needed, they were sent to the sanding room to

be sanded. After the blades were sanded, they were returned to the main shop floor for repair. The blades were stripped of all paint and adhesive using a paint stripper. Paint stripper residue was removed with paper towels, which were stored in a hazardous waste drum located in the paint room.

- Sanding room—Blade sanding, using a vacuum sander, was conducted in this area of the facility. Sanding particulates were captured and hauled offsite for disposal. The sanding room was inactive at the time of the inspection.

- Paint room—Once the helicopter blades had been repaired and sanded, they moved to the paint room, where they were cleaned and rinsed using biodegradable soap and deionized water. Cleaning and rinsing occurred by hand directly over the stainless steel container. The facility president stated that all wash and rinse waters generated by the cleaning process were collected in a stainless steel wastewater containment cart, which was stored outside to evaporate the wastewater. The facility president added that during the wet season, wastewater was evaporated inside, in the mop room. Once the blades had been cleaned with an alkaline cleaner (sodium hydroxide and sodium phosphate), they were coated, painted, and dried. Drying occurred in an oven, located within the paint room. The chemical/paint storage container, hazardous waste storage area, and the mop room were located in this portion of the facility. The paint room was inactive at the time of the inspection.

- Clean room—Blades that had been repaired and painted were taken to the clean room for final inspection and balancing, using an electronic scale. The clean room was inactive at the time of the inspection.

In addition, the facility's outdoor shipping and receiving area was visited as a component of the inspection. The outdoor area was used to ship and receive blades to and from the facility's customers. Miscellaneous supplies were stored outside in shipping containers in this area of the facility. In addition, the stainless steel wastewater containment cart used for evaporation during the dry season was located in the outdoor shipping and receiving area. The facility does not discharge process wastewater to the City.

The facility does not have a pretreatment system since wastewater is not discharged from the facility to the City. The facility evaporates wastewaters generated from its operational processes. According to the facility president, wastewater generated from the blade cleaning activities is primarily composed of biodegradable soap and water, which is collected in a small, wheeled, stainless steel, wastewater containment cart and stored outside for evaporation. The facility president stated that during the wet season, wastewater is evaporated in the mop room, located inside the facility. The facility president added that all drains inside the mop room have been plugged. Evaporation machines are not utilized at the facility.

No deficiencies were noted at the facility at the time of the inspection.

- *Tankerwash USA, Inc.* The facility washed tanker truck interiors for a variety of clients. The facility representatives stated that the facility primarily conducted washing for food-grade material haulers; however, some chemical trucks were washed at the facility. The facility's interior washing of vehicles used to transport food grade materials and other products is regulated under the federal regulations at 40 CFR 442, Rail Tank Cars Transporting Chemical and Petroleum Cargos, pretreatment standards for new sources.

  The facility had three interior truck bays designated for washing operations in addition to an office. A tanker truck parking area was located in the facility outdoor yard. The facility discharged pretreated wash waters from the truck washing operations, boiler blowdown, and water softener to the sanitary sewer.

  The facility's pretreatment system involves wastewater equalization, settling, suspended air flotation, and pH adjustment. Wastewater generated from the facility's tank washing activities is collected in two underground sump pits. From the sump pits, wastewater is pumped directly to the 30,000-gallon, cone-bottomed settling tank, where solids settle to the bottom. From the settling tank, wastewater is gravity fed to the suspended air flotation (SAF) unit. From the SAF influent section, the wastewater flows through the serpentine chemical dosing unit, where coagulant, polymer, froth inhibitor, and pH adjustment chemicals (sodium hydroxide and sulfuric acid) are added before the wastewater enters the SAF wet well. Oil and grease and suspended materials are skimmed from the surface of the SAF. An auger transports the SAF sludge to a holding tank. Solids collected in the holding tank are transferred to a solids storage tanker and hauled offsite to East Bay Municipal Utility District (MUD) for disposal. Wastewater within the SAF is recirculated until the pH reaches the target pH range of 5.0–10.0 standard units. Effluent from the SAF is discharged to the City.

  The facility maintains a wastewater log to track meter readings, calibration dates, and discharge events. The facility representative stated that the log book contains a checklist for employees to run through when recording information. The City inspector expressed concern that the log book was spiral bound; however, the pages in the book were numbered. It is recommended that the City follow-up with the facility and suggest the use of a bound notebook or other method to ensure that adequate records are kept in the log book.

- *Western Square Industries, Inc.* The zero-discharging facility welds and powder coats steel, which is used primarily for producing wine barrel racks, horse corrals, chicken coops, and trailers. The facility applies a phosphate coating to the steel prior to powder coating it. The facility's phosphate coating operation is regulated under 40 CFR 433 of the federal regulations.

  The facility received steel of varying sizes and fabricated the metal into final products for distribution. The facility welded and sanded steel pieces to form a variety of products. The products were then treated in a phosphate bath and various rinse tanks prior to being conveyed to the oven for drying. During the large-item phosphatizing process, the pieces were pressure sprayed with phosphate chemicals in a bermed area with overhead coverage. The wastewater generated from this process drained to a sump,

which was pumped to a three-stage clarifier. After the drying process, the metal pieces entered the powder coating booth. Employees used wet paint to touch up the corners of the metal that was not covered during the powder coating process. The final product went through final QA/QC procedures before being stored in a covered area. From there, the products were packaged and shipped to customers.

The facility does not discharge process wastewater to the sanitary sewer system. Due to the fact the facility does not discharge process wastewater to the sanitary sewer, the facility does not have a pretreatment system. However, the facility does have a process for treating the rinse water generated from the phosphate coating process. Some of the wastewater evaporates; the rest of the water is sent through a three-stage clarifier and a 10-micron sock filter before being stored in one of three storage tanks. From the storage tanks, it is reintroduced to the phosphate coating tank and rinse baths. The facility representative stated that the 10-micron sock filter is changed approximately twice per year.

During the inspection of the covered wash bay area, a 55-gallon drum of a phosphoric acid solution was observed stored on a secondary containment pallet. Debris and a sludge-like waste had accumulated in the secondary containment unit. It appeared that the containment unit would not have the capacity to contain the liquid in the event of a spill or leak. Therefore, it is recommended that the City conduct a follow-up inspection at the facility to ensure that the secondary containment units at the facility are adequate for containing all liquid that would be released from a leak or a spill.

During the inspection of the storage tanks at the facility, a significant amount of accumulated sludge was observed at the bottom of Tank 1. The facility representative stated that the tanks were typically pumped on an annual basis and that they were planning to pump the solids from the tank in the near future. It is recommended that the City follow-up with the facility to ensure that the storage tanks are pumped and that the facility provides adequate documentation for the pumping event.

The audit team confirmed that the facility was not discharging process wastewater to the City's sanitary sewer.

- *Wilmar Oils and Fats (Stockton), LLC.* The facility received various edible palm oils via barge at the Port of Stockton. The facility then stored, refined, and distributed the oil via railcar and truck. The City had classified the facility as an SIU due to the nature of the wastewater discharged from the facility to the sanitary sewer.

  Two process areas at the facility were inspected during the site visit:

  - Berth 2—The facility received raw palm oil from barges at the Port of Stockton Berth 2. Raw materials were offloaded and piped to the facility via two 8-inch pipelines. The raw oil was pumped to four heated, 2.5 million-gallon storage tanks located within the tank farm. It should be noted that the tank farm was not visited as a component of the inspection; however, the City representatives stated that the tank farm was inspected during the

annual inspection. In addition, the City representatives stated that the oil unloading area at Berth 2 was visited during the first inspection conducted by the City; however, since the berth is not part of the facility property but part of the Port of Stockton, it would not be visited for future inspections conducted by the City inspectors.

- Refinery—Raw liquid oil from the tank farm's heated storage tanks was piped to the refinery for two processes: bleaching and deodorizing. The raw oil was first bleached using a diatomaceous earth and bleaching clay. Once the bleaching reaction was complete, the spent earthen bleaching materials were filtered out, stored in dumpsters, and hauled offsite to a landfill. The bleached palm oil was then piped to a high temperature vacuum process for deodorizing. A vacuum scrubber decomposed any remaining impurities in the palm oil. The bleached and deodorized palm oil was piped back to the tank farm for storage until distribution.

  A quality control laboratory was located on the second floor of the refinery building. The facility representatives stated that the drains inside the laboratory, including sinks used to wash laboratory equipment, were connected to the facility's domestic waste line and did not lead to the pretreatment system.

- Load rack—Product that was ready for distribution was loaded at the load rack, which contained loading equipment for both tanker truck and rail car distribution. The load rack was equipped with two pits with permeable bottoms to collect any spills or leaks occurring in this area. Stormwater runoff that accumulated in the containment pits primarily infiltrated into the permeable bottoms of the containment pits. The containments pits were connected to the facility's pretreatment sump. The City inspectors stated that the facility was required to notify the City prior to emptying the load rack containment pits into the pretreatment sump. The facility representatives were unsure of the holding capacities of the load rack containment pits but stated that the information was available onsite. The containment pits appeared to be clean and free of waste oil at the time of the inspection.

  A 200-gallon diesel tank used to run the railcar mover was located near this area. In addition, dumpsters used to store unusable waste oils and waste bleaching soils used in the facility's oil bleaching process were stored near this area of the facility.

- Maintenance Shop—The facility maintained a maintenance shop onsite to assist in equipment repair. The majority of chemicals maintained onsite at the facility were stored inside the maintenance shop. The boilers and cooling towers were located near this area of the facility.

The facility discharged pretreated wastewaters from the facility's palm oil refining process and general sanitation processes to the sanitary sewer. Wastewater generated from the refining process was primarily composed of condensate generated from the

facility's vacuum scrubber system. Wastewater generated from the sanitation process was primarily wash water from the refinery's walkway, and was collected in the refinery floor drains. The facility also discharged pretreated wastewater from the facility's boiler systems, evaporative condenser system, and reverse osmosis (RO) unit to the sanitary sewer.

The facility removes oil from its wastewater utilizing an oil/water separator and (DAF) unit.

Wastewater collected in the facility refinery floor drains and the loading dock containment pits flows to a centralized sump located on the south side of the pretreatment system. Wastewater from the vacuum scrubber system (i.e., steam condensate) used in the refining process flows to a wastewater hot well located adjacent to the sump. The contents of both the sump and hot well flow to an above-ground Hydroflow Tech, Inc. oil/water separator located in the pretreatment system area to remove free oil from the wastewater.

Free oil collected by the oil/water separator is pumped to a waste oil tank located within the facility's tank farm; from there it is reintroduced into the refining process. Wastewater from the oil/water separator flows into an equalization tank for pH adjustment using either a 25 percent sodium hydroxide or 25 percent sulfuric acid solution. The equalization tank had been recently equipped with a mixing pump to promote wastewater homogenization. Boiler blowdown and cooling tower blowdown is introduced to the equalization tank. Wastewater from the equalization tank flows to the DAF unit, where flocculent and coagulant are added. Oils skimmed from the top of the DAF unit are pumped to the waste oil tank located within the facility tank farm. From the DAF unit, wastewater flows north past a pH meter to ensure the pH of the wastewater is compliant with permit conditions. Wastewater that is out of the specified pH range is routed back to the wastewater sump and reintroduced into the oil/water separator. A wastewater monitoring station is located at the pretreatment area. This station contained pH, flow, and temperature chart recorders, a control panel, a composite sampler, a flow meter, and a pH meter.

The City inspector noted that the pH chart at the chart recorder located at the pretreatment area had been incorrectly placed on the recorder. Specifically, the pH chart was recording pH readings for that day (Wednesday May 21, 2014) on the Thursday May 22, 2014 section of the chart. The City inspector made a note of the discovery in the facility's wastewater operations log book to note the incorrect recording date. It is recommended that the City follow-up with the facility to ensure that the correct measurement procedures for recording pH values are implemented at the facility.

The facility representatives informed both the audit team and the City inspectors of the facility's overall dissatisfaction with the performance of the facility's oil/water separator. The contact stated that the unit struggled to work after installation and that the unit was still not removing the desired amount of free oils from the wastewater. The representative added that they may choose to replace the oil/water separator with a different unit sometime in the future. It is recommended that the City have the facility revisit the design specifications of the oil/water separator. Further, the City and facility

should evaluate the characteristics of the wastewater being discharged to the separator. Wastewater with highly variable pH levels or high temperature may affect the ability of the separator to perform as designed.

9.4 Requesting, Receiving, and Analyzing Reports

The federal pretreatment regulations at 40 CFR 403.8(f)(2)(iv) require the City to request, receive, and analyze all reports submitted by SIUs. In addition, the SIU reports must contain the information required at 40 CFR 403.12. The City provided the audit team with a multi-page document titled, Quality Assurance Manual for Self-Monitored Industries, which is distributed to the SIUs to provide guidance for sample collection and handling, equipment use, calibration methods, employee training, preservation methods and techniques, and an example chain of custody form.

As a component of the 2014 audit, the self-monitoring report for New Stockton Poultry dated September 9, 2013 was reviewed. The self-monitoring report included a cover page with certification statement, pH compliance reporting form, biochemical oxygen demand (BOD) /total suspended solids (TSS) worksheet, pH charts, water account usage report, and laboratory report from the contracted laboratory. However, the chain of custody forms for the samples collected were not provided with the self-monitoring report. According to the federal regulations at 40 CFR 403.12(g)(3), compliance monitoring reports must be based upon data collected in accordance with the protocols (including appropriate preservation methods) specified in 40 CFR 136. Without the chain of custody forms, it would be difficult for the City to provide evidence stating how the samples were collected and preserved. The City is required to ensure that the chain of custody forms are completed and submitted with the self-monitoring reports from SIUs in order to provide evidence showing the appropriate methods and preservation were used for samples in accordance with the federal regulations at 40 CFR 403.12(g)(3).

9.5 Slug Discharge Control Plans

The federal pretreatment regulations at 40 CFR 403.8(f)(2)(vi) require the City to evaluate each SIU, either by October 14, 2006 or within one year of the facility's becoming an SIU, to determine whether the SIU needs to develop and implement a slug discharge control plan. A slug discharge is any discharge of a non-routine, episodic nature, including an accidental spill or non-customary batch discharge [40 CFR 403.8(f)(2)(vi)]. The regulations also require an SIU to notify the POTW immediately of any changes affecting the potential for a slug discharge at its facility. In addition, the federal pretreatment regulations at 40 CFR 403.8(f)(1)(iii)(B)(6) require permits to contain requirements to control slug discharges if determined necessary by the POTW.

The City representative informed the audit team that each SIU is required to develop a slug discharge control plan. Further, the City representative stated that each SIU is reevaluated as a component of the annual inspection for the need to update its plan and to ensure that facility employees are properly trained in cleaning and disposing of a spill. As a component of the 2014 audit, the slug discharge control plan for the Wilmar facility was reviewed. The plan included a description of wastewater generating and discharging practices at the facility, chemicals and wastes stored at the facility, processes for immediately notifying the POTW in the event of a slug discharge (including written, five-day notification), and flow charts for spill control procedures. The slug discharge control plan and the City's process for requesting and reviewing these plans were deemed adequate.

10. Enforcement

The federal pretreatment regulations at 40 CFR 403.8(f)(5) require the City to develop and implement an ERP. This plan must contain detailed procedures indicating how the City will investigate and respond to instances of industrial user noncompliance. The City's ERP was last modified in July 2009. The City was in the process of modifying the ERP at the time of the audit.

As a component of the 2014 audit, the pH discharge violation at New Stockton Poultry and the City's response were compared to the actions that are to be carried out according to the City's ERP. The City provided documentation via phone log that the New Stockton Poultry facility representative left a message for the City on Saturday, August 3, 2013 notifying them of a reported pH of 12.5. s.u. In a letter to the City dated August 5, 2013 (updated September 26, 2013), New Stockton Poultry explained that on August 3, 2013, the pH measurement of the facility's discharge was greater than 12.0 s.u. The facility also provided a copy of the circular pH chart, which read approximately 12.6 s.u. The facility stated the cause of the pH spike was attributed to an employee using too much Multi-Chlor as a cleaning solution. As a corrective action, the facility prohibited the use of the Mulit-Chlor solution and stated that it planned to use a cleaning agent with a lesser pH.

In response to this violation, the City issued the facility a notice of violation (NOV) on October 3, 2013 stating that the facility's August 2013 self-monitoring report showed a one-minute discharge totaling 22 gallons with a pH greater than 12.5 s.u. on August 3, 2013. A pH greater than 12.5 s.u. meets the definition of hazardous waste. The City considered New Stockton Poultry to be in significant noncompliance with federal pretreatment regulations, specified in 40 CFR 403.8(f)(2)(viii)(H) which states, "a significant industrial user is in significant noncompliance if its violation meets one or more of the following criteria…any other violation or group of violations, which the POTW determines will adversely affect the operation or implementation of the local Pretreatment program." The City also ordered the facility to take corrective actions necessary to eliminate any further pH violations and at to install a pH alarm system, as a minimum measure.

According to the "Escalating Enforcement Response Guide" found on page 3 of the City's ERP, in response to a "hazardous" discharge, the City is to both issue a cease and desist order and fine the industrial user. According to the definitions section, on page 5 of the City's ERP, for the definition of "hazardous," the reader is directed to the definition "in 40 CFR Part 261.3 or California Administrative Code Title 22, Article 11." After a review of the facility's file, it appeared that the City issued an NOV to the facility but did not issue a fine. The City is required to ensure that it is properly implementing its ERP as required by 40 CFR 403.5 of the federal regulations.

After the audit, the City provided information to the audit team stating that in most cases of SNC violations, a fine is issued by the City. However, in the case of New Stockton Poultry, the discharge of 22 gallons had a duration of one minute (which the City confirmed through a review of flow monitoring recording charts). According to a footnote in the discharge limit violation section for isolated of the "Escalating Enforcement Response Guide" fines for isolated, recurring, and chronic discharge violations may be imposed depending on the severity of the violation, recent history of noncompliance, duration of noncompliance, and good faith and commitment. However, this footnote was not provided in the "Escalating Enforcement Response

Guide" for hazardous discharges. It should be noted that after the audit the City provided the audit team with a draft version of the ERP, which includes a similar footnote pertaining to the severity of the violation for each of the possible enforcement responses.

As required by 40 CFR 403.8(f)(2)(viii), the City is to annually publish the names of all facilities in SNC in a newspaper(s) of general circulation that provides meaningful public notice within the jurisdiction(s) served by the POTW. The City publishes notices regarding the facilities in SNC in *The Record*. As noted in section 2.3.1, *Significant Noncompliance*, of this report, four of the City's SIUs were published in the newspaper as being in SNC. At the time of the audit, the City representative reported that each of the four SIUs (California Spray Dry Co., New Stockton Poultry, Northern California Youth Correctional Center, and Wilmar Oils and Fats) had returned to compliance.

11. Data Management

The City maintains hardcopy files for each of the SIUs. The files are labeled and organized by compliance sampling, self-monitoring, enforcement, correspondence, and permit sections. The City representative informed the audit team that the City does not accept electronic reporting.

As a tracking mechanism for the SIUs' self-monitoring reports, the City has created spreadsheets that include the parameters that must be sampled, the required frequency of sampling, the effluent limit, and the monitoring results for self-monitoring reports for the year. The spreadsheets can be easily referenced and reviewed to identify if samples have been collected at the frequency required by the permit and if there were any exceedances of permit limitations.

The audit team found the City's data management system to be adequate.

12. Pretreatment Program Outreach

The City actively engages in public education and outreach activities. As noted earlier, the City has implemented an extensive FOG control program (see sections 2.3.5 and 2.3.6), and the City supports local pharmaceutical take-back events (see section 2.3.2). The City's public education and outreach activities are summarized below.

- City of Stockton Web Site— The City's webpage contains useful FOG information for commercial businesses and residential customers. The City reported that in 2013, there were 338 visits to the City's Environmental Compliance webpage and 472 to the FOG webpage.
- FOG Kits—Residential FOG kits have been developed and distributed as part of the FOG control program. Each kit includes information for proper FOG disposal, a pan scraper and refrigerator magnet, both promoting the City's 24-hour reporting and outreach hotline. The kits are distributed to residential customers at various community events.
- Stockton Water Newsletter—The City distributes a newsletter informing the public of various events held at the POTW, including grease recycling during the holidays. The newsletter also highlights proper disposal practices to address issues with flushing nonwoven products and other materials that residents may discharge to the sanitary sewer.

As stated in sections 2.3.2 and 2.3.5 of this report, it is recommended that the City continue to develop and distribute outreach materials to educate the public on the proper disposal of pharmaceutical wastes and to educate residential customers on proper FOG disposal methods and procedures for reporting residential SSOs.

13. Summary of Requirements and Recommendations

Listed below are the primary requirements and recommendations resulting from the audit of the City's pretreatment program. For more specific information pertaining to each comment, please refer to the cited sections of the report.

13.1 Requirements

1. According to the 2013 inspection report, in the violations section of the SUO, the minimum penalty of $1,000 must be corrected per 40 CFR 403.8. The penalty must be $1,000 per day per violation. In response to this requirement, the City stated the specification of the minimum penalty of $1,000 per day for each violation would be added to both the SUO and ERP prior to July 1, 2014. Notification to the Regional Water Board of non-substantial modifications to the City's IPP for these revisions would be provided within the required timeframe. As a component of the 2014 audit, the City's SUO and ERP were reviewed for this provision. The modifications had not been implemented in the SUO or ERP; however, the deadline of July 1, 2014 had not passed at the time of the audit. The City representative stated that the ERP would be modified during the same time that modifications were made to the SUO. The City is required to ensure that its SUO and ERP are modified to include this correction. (Section 3, *Pretreatment Program Modifications*)

2. Additionally, a review of the City's SUO revealed that "bypass" is defined, but the City does not include wording in the SUO prohibiting a bypass or requiring immediate notification in the event of a bypass as stated in the federal regulations at 40 CFR 403.17. Although the City addresses bypasses in the *General Permit Conditions* of the SIU permits, it does not refer to bypasses in the SUO. The City is required to ensure that it has the proper legal authority to address bypasses and should include information in the SUO pertaining to bypasses, whether it be prohibition of bypasses or notification of bypasses that take place in accordance with the federal regulations at 40 CFR 403.17. (Section 5, *Legal Authority*)

3. The City representative indicated on the legal authority review checklist that section 13.08.320(B) of the City's SUO includes the requirement for industrial users to collect samples that are representative of the discharge from their facilities as stated in 40 CFR 403.12(g)(3) of the federal regulations. Section 13.08.320(B) of the SUO refers to the recordkeeping and certification requirements, but does not explicitly require that representative samples be collected at the facility. The City is required to have the proper legal authority to ensure that SIUs collect representative samples in accordance with 40 CFR 403.12(g)(3) of the federal regulations. (Section 5, *Legal Authority*)

4. According to the 2013 inspection report, the City's SUO was missing sampling collection procedures that are required by 40 CFR 403.12(g). The inspection report also

stated that this was a streamlining rule requirement that must be included in all local control mechanisms. In response to this requirement, the City stated that sampling collection procedures required by 40 CFR 403.12(g) would be added to the SUO prior to July 1, 2014. Notification to the Regional Water Board of non-substantial modifications to the City's IPP for these revisions would be provided within the required timeframe. As a component of the 2014 audit, the City's SUO was reviewed and it was determined that the sampling collection procedures required by 40 CFR 403.12(g) had not been added to the City's SUO. It should be noted that the City representative informed the audit team that SUO modifications included in the 2013 inspection report would not be completed until the City received the 2014 audit report. Additionally, this provision is included in item number nine of the standard condition section of the industrial user permits but not in the SUO. The City is required to ensure that this streamlining provisions stated at 40 CFR 403.12(g) (specifically the submission of all monitoring data) is included in its SUO. (Section 5.1, *Streamlining Updates*)

5. According to the definitions section of the SUO, the term SNC "means as defined by 40 CFR 403.8(f)(2)(vii)." This is the incorrect citation for the federal definition of SNC; the correct citation is 40 CFR 403.8(f)(2)(viii). Further, it is recommended that the City include the entire definition of SNC in the definitions section of the SUO instead of incorporating the definition by reference. If the City intends to continue to include the definition of SNC in the SUO by reference, it is required to state the correct federal regulation citation. (Section 5.1, *Streamlining Updates*)

6. The City representative indicated on the legal authority review checklist that section 13.08.320(C) of the City's SUO includes the streamlining provision requiring IUs to notify the POTW of changes at the facility affecting the potential for a slug discharge. Section 13.08.320(C) of the City's SUO refers to the notification regarding a hazardous waste discharge and discharges that differ from the terms of the permit. However, the streamlining provision requiring the IU to notify the POTW of changes affecting the potential for a slug discharge are not specifically stated. Although the requirement is included as item 20.d of the *General Permit Conditions* of the SIU permits, it is not explicitly stated in the SUO. Therefore, the City is required to ensure that it has the proper legal authority to implement this streamlining provision as stated at 40 CFR 403.8(f)(2)(vi) of the federal regulations. (Section 5.1, *Streamlining Updates*)

7. According to 40 CFR 403.5(c) of the federal regulations, each POTW developing a pretreatment program shall develop and enforce specific limits. Section 13.08.250 of the City's SUO lists the City's specific local limits. The SUO reads, "No person shall discharge wastewater containing in excess of…" and goes on to list the local limits. It was unclear to the audit team how these limits are to be applied (e.g., daily maximum, instantaneous maximum). However, the table provided in the self-monitoring sample program section of the Tankerwash permit includes footnotes for the discharge limit column of the table; the footnotes indicate how the discharge limit is to be applied—as an instantaneous maximum, a daily maximum, or a monthly maximum. It should be noted that the limits identified as "local limits" are applied as instantaneous maximums. The City is required to amend its SUO and specifically state how the local limits are to be applied to ensure that it has the proper legal authority to enforce these limits in

accordance with the federal regulations at 40 CFR 403.5(c). (Section 5.2, *Local Limit Application*)

8. In reviewing the final discharge location at the Diamond Foods facility, it was observed that wastewater and solids had accumulated in the manhole, making it difficult to see the final discharge pipe. During the inspection, the City inspector advised the facility resolve the issue. The facility contact phoned the facility maintenance department to clear the flume. The maintenance personnel arrived at the flume, removed the solids from the flume, and transported them via bucket to the solids tank, which ultimately led to the filter press. Item number 3 of the general conditions of the facility's permit states that the "permittee shall insure that all pretreatment facilities, including but not limited to flow measuring and sampling equipment, are maintained in proper working order at all times." Although it appeared that the City and facility's maintenance department took the proper corrective action steps during the inspection, the City is required to ensure that the facility properly maintains its pretreatment devices in accordance with item number 3 of the standard conditions of the facility's permit. Further, it is recommended that the City follow-up with the facility to ensure that the solids were properly removed from the final discharge point and to evaluate the root cause of the solids accumulation. It is also recommended that the City work with the facility to develop a standard operating procedure (SOP) for removing solids and cleaning the final discharge point. It may be beneficial for the facility to keep a log of these solid accumulation events. (Section 9.3, *Nondomestic Discharge Site Inspections Conducted during the Audit*)

9. The self-monitoring report for New Stockton Poultry dated September 9, 2013 was reviewed. The chain of custody forms for the samples collected were not provided with the self-monitoring report. According to the federal regulations at 40 CFR 403.12(g)(3), compliance monitoring reports must be based upon data collected in accordance with the protocols (including appropriate preservation methods) specified in 40 CFR 136. Without the chain of custody forms, it would be difficult for the City to provide evidence stating how the samples were collected and preserved. The City is required to ensure that the chain of custody forms are completed and submitted with the self-monitoring reports from SIUs in order to provide evidence showing the appropriate methods and preservation were used for samples in accordance with the federal regulations at 40 CFR 403.12(g)(3). (Section 9.4, *Requesting, Receiving, and Analyzing Reports*)

10. According to the "Escalating Enforcement Response Guide" found on page 3 of the City's ERP, in response to a "hazardous" discharge, the City is to both issue a cease and desist order and fine the industrial user. According to the definitions section, on page 5 of the City's ERP, for the definition of "hazardous," the reader is directed to the definition "in 40 CFR Part 261.3 or California Administrative Code Title 22, Article 11." After a review of the facility's file, it appeared that the City issued an NOV to the facility but did not issue a fine. The City is required to ensure that it is properly implementing its ERP as required by 40 CFR 403.5 of the federal regulations. (Section 10, *Enforcement*)

13.2 Recommendations

1. It is recommended that the City continue to promote and assist the DEA in advertising pharmaceutical take-back events within the community, as pharmaceutical wastes in the City's effluent may be detrimental to aquatic life. (Section 2.3.2, *Pharmaceutical Recovery* and Section 12, *Pretreatment Program Outreach*)

2. It is recommended that the City continue to evaluate the feasibility of implementing a dental mercury management program and to investigate sources of mercury that may cause spikes in the data trends. (Section 2.3.3, *Dental Mercury*)

3. It is recommended that the City continue to develop and distribute outreach materials to residents about properly disposing of FOG waste and procedures for reporting SSOs. This information should target areas of high volumes of residential housing and areas housing numerous FSEs. (Section 2.3.5, *Performance Measures* and Section 12, *Pretreatment Program Outreach*)

4. It is recommended that the City continue to inspect and monitor the Metalsa facility to ensure that hazardous waste or other harmful chemicals are not being discharged to the sanitary sewer. The City should conduct a close-out inspection verifying that the chemicals were properly disposed of once the permit is terminated. (Section 2.3.7, *Potential Cleanups or Criminal Violations*)

5. It is recommended that the City continue to distribute outreach materials on the proper disposal of nonwoven disposable products to protect the collection system and the publicly owned treatment works (POTW) as a whole. (Section 2.3.8, *Nonwoven Disposable Products*)

6. Section 13.08.320 of the City's SUO refers to reporting and monitoring requirements, listing baseline monitoring report submission as an IU requirement. At a minimum, the reports must comply with the reporting requirements set forth in 40 CFR 403.12. According to 40 CFR 403.12(b) of the federal regulations, baseline monitoring reports are to contain (1) identifying information, (2) other environmental permits held, (3) description of operations, (4) flow measurements, (5) measurement of pollutants, (6) certification statement, (7) compliance schedule (if applicable). Although these elements are specifically stated at 40 CFR 403.12(b), the City does not explicitly require these elements in section 13.08.320 of its SUO. It is recommended that the City include in its SUO these specific elements of a baseline monitoring report as they are stated in section 40 CFR 403.12(b) of the federal regulations. (Section 5, *Legal Authority*)

7. The Diamond Food's facility representative mentioned that they plan to upgrade their pretreatment system in the future. These upgrades include replacing the final flume and discharge location, replacing tanks and valves, and generally re-configuring the flow of wastewater from one tank to another. The City was aware of the planned changes to the pretreatment system at the facility. It is recommended

that the City continue to stay current on the changes to the facility's pretreatment system and to modify the wastewater discharge permit accordingly. (Section 9.3, Nondomestic Discharge Site Inspections Conducted during the Audit)

8. During the inspection at the Diamond Foods facility, a number of chemicals were observed stored in secondary containment; however, a number of chemicals were observed not in secondary containment. For instance, waste oil and a "liquidose" chemical were without secondary containment. It is recommended that the City follow-up with the facility to ensure that adequate secondary containment is provided for chemicals stored at the facility. (Section 9.3, *Nondomestic Discharge Site Inspections Conducted during the Audit*)

9. During the inspection of a chemical storage closet at the Diamond Foods facility, the City inspector pointed out that a number of chemicals were stored in a sink without containment; the sink was connected to the sanitary sewer. The City inspector requested that the chemicals be removed from the sink. It is recommended that the City conduct a follow-up inspection to ensure that the chemicals have been removed from the sink and stored properly. (Section 9.3, *Nondomestic Discharge Site Inspections Conducted during the Audit*)

10. The Tankerwash facility maintains a wastewater log to track meter readings, calibration dates, and discharge events. The facility representative stated that the log book contains a checklist for employees to run review when recording information. The City inspector expressed concern that the log book was spiral bound; however, the pages in the book were numbered. It is recommended that the City follow-up with the facility and suggest the use of a bound notebook or other method to ensure that adequate records are kept in the log book. (Section 9.3, *Nondomestic Discharge Site Inspections Conducted during the Audit*)

11. During the inspection of the covered wash bay area at Western Square Industries, a 55-gallon drum of a phosphoric acid solution was observed stored on a secondary containment pallet. Debris and a sludge-like waste had accumulated in the secondary containment unit. It appeared that the containment unit would not have the capacity to contain the liquid in the event of a spill or leak. Therefore, it is recommended that the City conduct a follow-up inspection at the facility to ensure that the secondary containment units at the facility are adequate for containing all liquid that would be released from a leak or a spill. (Section 9.3, *Nondomestic Discharge Site Inspections Conducted during the Audit*)

12. During the inspection of the storage tanks at the Western Square Industries facility, a significant amount of accumulated sludge was observed at the bottom of Tank 1. The facility representative stated that the tanks were typically pumped on an annual basis and that they were planning to pump the solids from the tank in the near future. It is recommended that the City follow-up with the facility to ensure that the storage tanks are pumped and that the facility provides adequate documentation for the pumping event. (Section 9.3, *Nondomestic Discharge Site Inspections Conducted during the Audit*)

13. The City inspector noted that the pH chart at the chart recorder located at the pretreatment area at the Wilmar facility had been incorrectly placed on the recorder. Specifically, the pH chart was recording pH readings for that day (Wednesday May 21, 2014) on the Thursday May 22, 2014 section of the chart. The City inspector made a note of the discovery in the facility's wastewater operations log book to note the incorrect recording date. It is recommended that the City follow-up with the facility to ensure that the correct measurement procedures for recording pH values are implemented at the facility. (Section 9.3, *Nondomestic Discharge Site Inspections Conducted during the Audit*)

14. The Wilmar facility representatives informed the audit team of the facility's overall dissatisfaction with the performance of the facility's oil/water separator. The contact stated that the unit struggled to work after installation and that the unit was still not removing the desired amount of free oils from the wastewater. The representative added that they may choose to replace the oil/water separator with a different unit sometime in the future. It is recommended that the City have the facility revisit the design specifications of the oil/water separator. Further, the City and facility should evaluate the characteristics of the wastewater being discharged to the separator. Wastewater with highly variable pH levels or high temperature may affect the ability of the separator to perform as designed. (Section 9.3, *Nondomestic Discharge Site Inspections Conducted during the Audit*)

ICIS WENDB DATA ENTRY WORKSHEET

PRETREATMENT COMPLIANCE INSPECTIONS/AUDITS

► TYPE OF COMPLIANCE MONITORING: **PCA**

► NAME OF PRETREATMENT PROGRAM: **City of Stockton**

► CONTROLLING AUTHORITY NPDES ID: **CA0079138**

START DATE OF INSPECTION ..... 5/21/2014 | ► END DATE OF INSPECTION 5/22/2014

LEAD INSPECTOR (Name, Company, Phone, E-mail [if available]):
Kettie Holland; PG Environmental; 303-279-1778

ACCOMPANYING INSPECTOR(s) (Name, Company, Phone, E-mail [if available]):
Anthony D'Angelo; PG Environmental; 703-707-8258

SIGNIFICANT INDUSTRIAL USERS (SIUs)	PCI CHECKLIST REFERENCE	PCA CHECKLIST REFERENCE	DATA
► SIUs* :	II.B.2.a	I.C.4.a	50
► SIUs Without Control Mechanism:	II.C.1.c	I.D.1 and II.A	0
► SIUs Not Inspected:	II.E.2.c	I.F.2.c	0
► SIUs Not Sampled:	II.E.2.b	I.F.2.b	0
► SIUs in SNC with Pretreatment Standards** :	II.F.3.a	I.F.3.a	2
► SIUs in SNC with Reporting Requirements:	II.F.3.a	I.F.3.a	2
SIUs in SNC with Pretreatment Schedule:		I.F.3.a	0
SIUs in SNC Published in Newspaper:		I.G.4; II.D.7	4
Criminal Suits Filed Against SIUs:	II.F.1		0
CATEGORICAL INDUSTRIAL USERS (CIUs)			
► CIUs:		I.C.4.a	16
OTHER INFORMATION			
Pass-Through/Interference Indicator *(none, Yes, or No)*		I.G.6	No
DEFICIENCIES			
Control Mechanism Deficiencies *(No or Yes)*		I.D.1;II.A.4	No
Inadequacy of Sampling and Inspections *(No or Yes)*		II.C and Site Visit Sheets	No
Adequacy of Pretreatment Resources *(Yes or No)*		I.I	Yes

FOOTNOTES:
► denotes required information
* The number of SIUs entered into PCS is based on the CA's definition of "Significant Industrial User."
** AS DEFINED IN EPA's 1986 Pretreatment Compliance Monitoring and Enforcement Guidance.

DATA ENTRY WORKSHEET COMPLETED BY:	Kettie Holland	DATE:	7/28/2014
TITLE:	Environmental Scientist	TELEPHONE NO.:	303-279-1778

RNC DATA ENTRY WORKSHEET

RNC DATA ENTRY WORKSHEET			
INSTRUCTIONS: Enter the data provided by the specific checklist questions that are referenced.			
City of Stockton			
NPDES number CA0079138			
Date of inspection 4/21–22/2014		Date entered into PCS	
		Level	Checklist Reference
NA	Failure to enforce against pass through and/or interference	I	II.F.6.b&9
NA	Failure to submit required reports within 30 days	I	Att. A.A.3
NA	Failure to meet compliance schedule milestone date within 90 days	I	Att. A.A.4
NA	Failure to issue/reissue control mechanisms to 90% of SIUs within 6 months	II	II.C.1.b&2
NA	Failure to inspect or sample 80% of SIUs within the last 12 months	II	II.E.2
NA	Failure to enforce pretreatment standards and reporting requirements	II	II.F.2
NA	Other (specify)	II	

SNC

NA	CA in SNC for violation of any Level I criterion
NA	CA in SNC for violation of two or more Level II criterion

For more information on RNC, please refer to EPA's 1990 Guidance for Reporting and Evaluating POTW Noncompliance with Pretreatment Implementation Requirements

RNC WORKSHEET COMPLETED BY:	Kettie Holland	DATE:	7/28/2014
TITLE:	Environmental Scientist	TELEPHONE:	303-279-1778

Diamond Foods

Site Visit Data Sheet

SITE VISIT DATA SHEET

INSTRUCTIONS: Record observations made during the IU site visit. Provide as much detail as possible.

Name of Industry: Diamond Foods

Address of Industry: 1050 South Diamond Street; Stockton, CA 95205

Date of visit: 5/22/2014 | Time of visit: 8:18 a.m.

Name of inspector(s):
Richard Stiffler, Technical Services Supervisor, City of Stockton (City)
Brian Toledo, Environmental Compliance Officer, City
Kettie Holland, EPA Contractor, PG Environmental, LLC

Provide the name(s) and title(s) of industry representative(s)

Name	Title	Phone/Email
Robert Castro	Engineering Manager	209-932-5603

IU Permit Number: None.	Exp Date: 12/31/2018	IU Classification: Non-categorical significant industrial user (SIU).

Inspection Type/Purpose	X	Scheduled		Unscheduled	X	PCA
		PCI		New Company		Complaint

Please provide the following documentation:

1. Nature of operation: The facility receives and processes various types of nuts including almonds, walnuts, pecans, pistachios, cashews, and macadamia nuts. The facility shells, chops, coats, and packages nuts. The facility also produces walnut oil. The City has classified the facility as an SIU due to the nature and volume of wastewater discharged from the facility.

2.	Number of employees	Approximately 700	Number of shifts:	Three 8-hour shifts	Hours of operation:	24 hours per day; seven days per week.

3. Water source: Not reviewed (N/R).

4. Wastestream flow(s) discharged to the POTW: The facility discharges pretreated wastewater to the sanitary sewer from the following operations: nut blanching, equipment sanitation, clean-in-place (CIP) processes, spray nozzle water, and wastewater generated from the steam dock area. The facility also discharges untreated boiler blowdown to the sanitary sewer.

Sanitary:	N/R.	Process:	Approximately 100,000 gallons per day (gpd).	Combined:	N/R.

5. Describe any significant changes in process or flow: There were no significant changes in process or flow observed during the time of the inspection. Two buildings were designated for processing nuts; however, only one of the process buildings was in operation at the time of the inspection. During harvest season (August–October), the second process building is in operation for in-shell walnut processing. The facility was planning to upgrade its pretreatment system in the future. Refer to note 1 in the Notes section for further detail.

6. Type of pretreatment system (Describe): The facility's pretreatment system consists of oil and water separation, solids separation, and pH adjustment before the wastewater is discharged to the City's sanitary sewer. Wastewater generated from the steam dock area, equipment sanitation and washing process, and CIP activities is collected via trench drains, then conveyed to the pretreatment system for treatment prior to discharge.

Some of the wastewaters generated at the facility are collected via floor drains and routed to a sump, referred to as "wastewater north." From there, the wastewater is pumped through a rotary screen and an oil skimmer to remove solids and oil. The wastewater is then pumped to an outdoor treatment pad located at the northwestern corner of the facility. The wastewater enters a sump and is pumped to "Tank 1" (according to the facility's naming convention), which has a capacity of approximately 10,000 gallons. In Tank 1, the pH of the wastewater is measured and either sulfuric acid or sodium hydroxide is added for pH adjustment. The wastewater then goes to the 250-gallon preparation tank, where coagulant is added. From the preparation tank, the wastewater is pumped to the dissolved air floatation (DAF) unit, where solids are skimmed from the top. Next, the wastewater is pumped to a cone-bottom "prep tank," with a capacity of approximately 500 gallons, for additional settling. The wastewater is pumped from the prep tank to "Tank 2," where the pH is measured. In Tank 2, the pH is adjusted and the wastewater is constantly recirculated. The target pH range for wastewater in Tank 2 is between 6.5 and 7.0 standard units (s.u.). From Tank 2, the wastewater overflows to the discharge pipe, which leads to the City's sanitary sewer system. The facility representative explained that the pretreatment system was equipped with pH alarms set at 5.5 s.u. and 9.5 s.u. The facility representative added that the discharge pumps shut off automatically if a pH outside of the 5.5–9.5 s.u. range is detected.

The solids skimmed from the top of the DAF unit are sent to a solids tank and ultimately to a filter press to produce filter cake. The filtrate from the filter press is reintroduced to the DAF unit for treatment.

The discharge location was inspected as part of the site visit. Accumulated solids were observed at the weir of the final discharge point, which leads to the sanitary sewer. Refer to note 2 in the Notes section for further detail.

The facility representative also mentioned that the facility planned to make upgrades to the pretreatment system in the future. Refer to note 1 in the Notes section for further detail.

NOTE: The pretreatment system is reported as it was observed during the inspection.

X	Continuous flow		Batch		Combined

7. Condition/operation of pretreatment system (Describe): The pretreatment system was located outside, on an uncovered concrete pad. The pretreatment system was large and intricate, with many tanks and processes. The pretreatment system appeared to be operating properly at the time of the inspection, however, solids had accumulated at the final discharge point. Refer to note 2 in the Notes section for further detail.

Any unusual conditions or problems with the pretreatment system: There were no unusual conditions or problems observed with the pretreatment system at the time of the inspection. However, a significant amount of solids had accumulated at the discharge point. Refer to note 2 in the Notes section for further detail.

8. Process area description (identify raw materials and processes used): The facility was large; a number of areas housed various process operations. Due to the size of the facility, the process areas were inspected fairly quickly.

The facility received and sorted various types of nuts. The facility received mostly walnuts and sent them to either the walnut shell processing area or to the whole walnut processing area, which was housed in a separate building and was used for processing walnuts in their shells. This process was not in operation at the time of the site inspection.

The nuts that were processed outside of the shell were cracked, and the walnut meat was sent through a laser sorter, then organized into different bins for processing. The walnut meats passed through a water floatation weir, which removed solids and other debris. The walnut meats were rinsed and then dried prior to further processing. The following areas were inspected during the site visit:

- Roasting/coating lines—This area of the facility had two processing lines: one for nut roasting and the other for coating the nuts with various flavors. The different types of coatings were formulated in kettles. CIP processes took place in this area.
- Packaging area—The nuts from the different processes were transported via conveyer to the packaging area, where they were packed in cylindrically shaped plastic containers or plastic bags. The packaged nuts were stored in the cold storage and warehouse area of the facility.
- Steam dock cleaning—In this area of the facility, metal bins for walnut storage were washed. The bins were steam cleaned and the wastewater from the process was collected and conveyed to the pretreatment system.
- Oil mill—This area of the facility was once used as a cogeneration facility, but at the time of the inspection it was used to press walnut meats for oil production. The oil was extracted from the walnut meat, filtered, and stored in a 5,000-gallon tank. A third-party hauler then pumped the oil from the tank to a tanker truck. The oil was ultimately used in the production of vegetable oil.

9.	Condition/operation of process area (Describe): The process areas of the facility were clean and relatively free of debris. Some of the areas were crowded due to the large machines.			
	Any unusual conditions or problems with the process area: There were no unusual conditions or problems observed with the process areas.			
10.	General housekeeping in process area (Describe): The process areas were relatively clean at the time of the inspection. Some walnuts were observed on the floor of the roasting/coating line and packaging area.			
	Any unusual conditions or problems with general housekeeping in process area: No unusual conditions or problems were noted with the general housekeeping in the process areas inspected during the site visit.			
11.	Chemical storage area (identify the chemicals that are maintained on-site and how they are stored): Various chemicals were stored throughout the facility. Secondary containment was provided for some, but not all, of the chemicals observed at the facility. During the inspection of a chemical storage closet, the City inspector discovered chemicals stored in a sink that led to the sanitary sewer. Refer to notes 3 and 4 in the Notes section for further details on chemical storage.			
	Any floor drains?	Trench drains were located in areas where chemicals were stored.	Any spill control measures?	Secondary containment was provided for some of the chemicals stored at the facility.
	General housekeeping of chemical storage area (Describe): Chemicals were observed throughout various areas of the facility; they were not stored in a central location. Some chemicals were stored with secondary containment and some were not. Also, the City inspector discovered chemicals stored in a sink that led to the sanitary sewer. Refer to notes 3 and 4 in the Notes section for further detail on chemical storage.			
12.	Are hazardous wastes drummed and labeled? Hazardous waste drums were not observed during the			

	facility inspection.					
13.	Does the IU have hazardous waste manifests? This component was not reviewed as part of the inspection.					
	Any problems associated with hazardous waste: N/R.					
14.	Solid waste production: The facility produces solid waste in the form of nut shells in addition to rotary screen waste and filter cake from the pretreatment system.					
	Solid waste disposal method(s): A portion of the nut shells was sent to the oil mill to be processed into oil, which is ultimately used as vegetable oil. The solids remaining from this process were hauled offsite as animal feed. The filter cake was stored with the nut shells and was sold for fuel.					
15.	Description of sample location: Composite samples were collected by a composite sampler directly upstream of the final discharge point. Grab samples were collected from the final flume where the wastewater was discharged to the sanitary sewer system.					
	Sampling method/technique: Grab and composite samples were collected at the facility.					
16.	Evaluation of self-monitoring data?		Yes	X	No	N/A
	If yes, was self-monitoring adequate: N/R.					
17.	Who performs the self-monitoring analysis? This component was not reviewed as part of the inspection.					

Notes:

1. During the inspection of the pretreatment system, the facility and City representatives mentioned that the facility planned to upgrade portions of its pretreatment system. These upgrades include replacing the final flume and discharge location, replacing tanks and valves, and generally re-configuring the flow of wastewater from one tank to another. The City was aware of the planned changes to the pretreatment system at the facility. It is recommended that the City continue to stay current on the changes to the facility's pretreatment system and to modify the wastewater discharge permit accordingly.

2. As a component of the site inspection, the final discharge location at the facility was inspected. The treated wastewater discharged to a pipe, which directed the wastewater through a flume and then to the City's sanitary sewer. The flume and final discharge location were observed from above, looking down into a manhole. Wastewater and solids had accumulated in the manhole, making it difficult to see the discharge pipe and the outline of the flume. The flume appeared to be blocked by accumulated solids. The City inspector mentioned that he had seen solids accumulation in the flume before but had not seen it in this condition for a year or more. During the inspection, the City inspector recommended the facility contact resolve the issue. The facility contact phoned facility maintenance department to clear the flume. The maintenance personnel arrived at the flume, removed the solids from the flume, and transported them via bucket to the solids tank, which ultimately led to the filter press. The facility representative mentioned that the flume was typically cleaned on an annual basis. Item number 3 of the general conditions of the facility's permit states that the "permittee shall insure that all pretreatment facilities, including but not limited to flow measuring and sampling equipment, are maintained in proper working order at all times." Although it appeared that the City and facility's maintenance department took the proper corrective action steps during the inspection, the City is required to ensure that the facility properly maintains its pretreatment devices in accordance with item number 3 of the standard conditions of the facility's permit. Further, it is recommended that the City follow-up with the facility to ensure that the solids were properly removed from the final discharge point and to evaluate the root cause of the solids accumulation. It is also recommended that the City work with the facility to develop a standard operating procedure (SOP) for removing solids and cleaning the final discharge point. It may be beneficial for the facility

to keep a log of these accumulation events.

3. During the inspection at the facility, a number of chemicals were observed stored in secondary containment; however, a number of chemicals were observed not in secondary containment. For instance, waste oil and a "liquidose" chemical were without secondary containment. It is recommended that the City follow-up with the facility to ensure that adequate secondary containment is provided for chemicals stored at the facility.

4. During the inspection of a chemical storage closet, the City inspector pointed out that a number of chemicals were stored in a sink without containment; the sink was connected to the sanitary sewer. The City inspector requested that the chemicals be removed from the sink. It is recommended that the City conduct a follow-up inspection to ensure that the chemicals have been removed from the sink and stored properly.

5. The effluent pH meter at the facility read 6.99 s.u. at 9:53 a.m.

6. The facility had posted SOPs with photographs for the use of caustic chemicals near the storage area in the roasting/coating process area of the facility.

New Stockton Poultry

Site Visit Data Sheet

SITE VISIT DATA SHEET

INSTRUCTIONS: Record observations made during the IU site visit. Provide as much detail as possible.

Name of Industry: New Stockton Poultry

Address of Industry: 302 South San Joaquin Street; Stockton, CA 95203

Date of visit: 05/22/2014 | Time of visit: 9:30 a.m.

Name of inspector(s):
Tasha Cheney, Environmental Control Officer, City of Stockton (City)
Michelle Price, Senior Environmental Control Officer, City
Anthony D'Angelo, EPA Contractor, PG Environmental, LLC

Provide the name(s) and title(s) of industry representative(s)

Name	Title	Phone/Email
Lap Luu	Manager	209-466-9503
IU Permit Number: None.	Exp Date: 12/31/2015	IU Classification: Non-categorical significant industrial user (SIU)

Inspection Type/Purpose	X	Scheduled		Unscheduled	X	PCA
		PCI		New Company		Complaint

Please provide the following documentation:

1. Nature of operation: New Stockton Poultry is a poultry processing facility. The facility prepared and processed approximately 8,000–10,000 live chickens per day for both in-house sale and delivery to the surrounding Central Valley and Bay areas. The facility has been classified as an SIU due to the volume and characteristics of the wastewater discharged to the City.

2. Number of employees	Approximately 50	Number of shifts:	1	Hours of operation:	Monday through Saturday; 4:00 a.m.–2:00 p.m.

3. Water source: California Water Service

4. Wastestream flow(s) discharged to the POTW: The facility discharges pretreated process wastewater from chicken defeathering, cleaning, cutting, and deboning processes to the City's sanitary sewer.

Sanitary:	Not Reviewed (N/R).	Process:	25,000–30,000 gallons per day (gpd)	Combined:	N/R.

5. Describe any significant changes in process or flow: No significant changes in process or flow were reported or observed during the facility inspection.

6. Type of pretreatment system (Describe): Wastewater from the scalder unit, feather-picker spray unit, evisceration line, and final wash process is collected in screen-covered floor drains, which flow to a three-stage grease interceptor. Wastewater from the final stage of the interceptor is pumped to a sump pit located near the evisceration line. In addition, a gizzard wash tank located near the evisceration line also discharges process water to the sump pit. In 2012, a grease trap was installed downstream of the gizzard wash tank and upstream of the sump to separate and collect oil and grease from the wash water.

   From the sump, wastewater is pumped through a rotary drum to remove solids, such as feathers and bones. Wastewater is then pumped to an elevated dissolved air flotation (DAF) unit, located in the chicken receiving room. The facility does not use treatment chemicals for the DAF unit. Effluent from the DAF is discharged to the sewer system via an underground vault on Lafayette Street, outside of the

	facility's break room/wastewater monitoring room. Solids removed from the rotary drum are collected in a tallow bin and hauled offsite. Additionally, solids and grease are skimmed from the top of the DAF unit, collected in a tallow bin, and hauled offsite. NOTE: The pretreatment system is reported as it was observed during this inspection.				
X	Continuous flow		Batch		Combined
7.	Condition/operation of pretreatment system (Describe): The pretreatment system area was cluttered due to a lack of room at the facility (e.g., DAF unit was elevated); however, the system appeared to be properly operating at the time of the inspection.				
	Any unusual conditions or problems with the pretreatment system: No unusual conditions or problems with the pretreatment system were observed during the inspection.				
8.	Process area description (identify raw materials and processes used): The birds were received in crates at the receiving area of the facility, located on San Joaquin Street. Birds were first hung by their feet on a conveyor system, which conveyed the birds to the kill floor. There, the birds were dipped into a water tank (referred to as the stun tank) and stunned by an electric current until they were unconscious. The birds were removed from the stun tank and cut at the throat. Blood from the birds was drained over a metal container and collected for disposal with other tallow wastes generated at the facility. After leaving the kill floor, the bird carcasses were sent through a 2,000-gallon scalder tank to loosen the feathers; the scalder tank was constantly replenished with hot water to maintain the temperature. Overflow water from the scalder tank was collected by floor drains and sent to a three-stage grease interceptor. From the scalder tank, the birds were sent through a picker spray machine to remove the large feathers. Wastewater generated from the picker spray machine was collected in floor drains and sent to a three-stage grease interceptor. Small feathers left on the birds were removed by hand. Once the birds were defeathered, they were sent to the evisceration line, where the innards, heads, and feet were removed, washed, and sorted. Unusable innards were discarded into the tallow bin. The birds' gizzards, livers, and hearts were washed and chilled to be sold to various vendors. The remaining parts were then washed, chilled, weighed, and packaged for sale. The facility generates a large amount of ice on a daily basis to chill the birds and gizzards. Melted ice was collected in the facility floor drains and sent to the pretreatment system before being discharged to the sanitary sewer.				
9.	Condition/operation of process area (Describe): The process area was cluttered with different types of machinery and the floor was very wet due to wastewater from various sources being collected in the floor drains. Chicken waste and eggs were observed on the floor along the evisceration line. Screens on the floor drains prevented the larger solids from entering the wastewater system.				
	Any unusual conditions or problems with the process area: Yes, a stormwater issue was observed during the facility inspection. See note 1of the Notes section for additional details.				
10.	General housekeeping in process area (Describe): The process area was cluttered due to the relatively small size of the facility. Chicken waste and eggs were observed on the floor along the evisceration line; however, bird processing was actively occurring in the process area at the time of the inspection.				
	Any unusual conditions or problems with general housekeeping in process area: No unusual conditions or problems with general housekeeping in the process area were observed during the site inspection.				
11.	Chemical storage area (identify the chemicals that are maintained on-site and how they are stored): Chemicals used at the facility consisted of chlorine and soaps. These chemicals were stored in the maintenance room. Chlorine was maintained in a 55-gallon drum.				
	Any floor drains?	N/R.	Any spill control	Spill kit maintained in the	

		measures?	maintenance room.

	General housekeeping of chemical storage area (Describe): There were no signs of spills or leaks observed inside the chemical storage area.
12.	Are hazardous wastes drummed and labeled? N/R.
13.	Does the IU have hazardous waste manifests? N/R.
	Any problems associated with hazardous waste: N/R.
14.	Solid waste production: Solid waste generated at the facility includes grease, bones, unusable innards, feathers, and inedible eggs.
	Solid waste disposal method(s): Solid waste is hauled offsite by a tallow contractor.
15.	Description of sample location: The facility collected grab samples from a flume inside an underground vault on Lafayette Street, directly outside of the facility's break room/wastewater monitoring station. Composite samples were collected from an ISCO 3710, 24-hour, composite sampler located in the facility's break room/wastewater monitoring station. The wastewater monitoring station included an ISCO 4230 bubbler flow meter, a pH meter, a pH chart, and a flow chart.
	Sampling method/technique: The facility collects grab and composite samples as required by the permit.
16.	Evaluation of self-monitoring data? [ ] Yes [X] No [ ] N/A
	If yes, was self-monitoring adequate: N/R.
17.	Who performs the self-monitoring analysis? N/R.

Notes:

1. The inspection team observed wastewater drag-out from the facility into the curb and gutter of San Joaquin Street, adjacent to the receiving area. Wastewater drag-out appeared to be from a forklift that was moving bird crates from a truck into the facility's receiving area. The City inspectors stated that this has been a continuous stormwater issue for the facility. The facility utilizes wattles to prevent the wastewater from entering the storm drain inlet along San Joaquin Street. In addition, the facility uses a shop vacuum to remove any wastewater that may accumulate in the curb and gutter of San Joaquin Street. Wastewater removed from the street is dumped into the facility's floor drains, which are connected to the pretreatment system.

2. The City inspectors collected compliance samples from the ISCO, 24-hour, composite sampler and checked the wastewater monitoring station during the inspection.

Rotor-Tech, International

Site Visit Data Sheet

SITE VISIT DATA SHEET

INSTRUCTIONS: Record observations made during the IU site visit. Provide as much detail as possible.

Name of Industry: Rotor-Tech, International

Address of Industry: 3728 Imperial Way, Units A&B; Stockton, CA 95215

Date of visit: 05/22/2014 | Time of visit: 8:30 a.m.

Name of inspector(s):
Tasha Cheney, Environmental Control Officer, City of Stockton (City)
Michelle Price, Senior Environmental Control Officer, City
Anthony D'Angelo, EPA Contractor, PG Environmental, LLC

Provide the name(s) and title(s) of industry representative(s)

Name	Title	Phone/Email
Cecelia Stitt	President and CEO	209-546-0380 / c4blades@aol.com

IU Permit Number: None.	Exp Date: Not reviewed (N/R).	IU Classification: Zero discharge categorical industrial user (CIU) subject to 40 CFR 433.

Inspection Type/Purpose	X	Scheduled		Unscheduled	X	PCA
		PCI		New Company		Complaint

Please provide the following documentation:

1. Nature of operation: The facility repaired and refurbished metal and composite helicopter rotor blades and tail blades. The blades were inspected, sanded, prepped for painting (with an alkaline cleaner), painted, and balanced by the facility. The facility did not discharge process wastewaters generated at the facility; therefore it is a zero discharge facility. The facility submits written reports twice per year to the City certifying that no discharge of process wastewater to the sanitary sewer occurred at the facility.

2.	Number of employees	8	Number of shifts:	1	Hours of operation:	7:30 a.m.–4:00 p.m.; Monday through Friday.

3. Water source: California Water Service

4. Wastestream flow(s) discharged to the POTW: The facility does not discharge process wastewater to the City.

Sanitary:	N/R.	Process:	0 gallons per day (gpd)	Combined:	N/R.

5. Describe any significant changes in process or flow: There were no significant changes in processes or flow observed during the inspection.

6. Type of pretreatment system (Describe): The facility does not have a pretreatment system since wastewater is not discharged from the facility to the City. The facility evaporates wastewaters generated from its operational processes. According to the facility president, wastewater generated from the blade cleaning activities is primarily composed of biodegradable soap and water, which is collected in a small, wheeled, stainless steel, wastewater containment cart and stored outside for evaporation. The facility president stated that during the wet season, wastewater is evaporated in the mop room, located inside the facility. The facility president added that all drains inside the mop room have been plugged. Evaporation machines are not utilized at the facility.

   NOTE: The pretreatment system is reported as it was observed during this inspection.

Not applicable (N/A).	Continuous flow	N/A.	Batch	N/A.	Combined

7. Condition/operation of pretreatment system (Describe): N/A.

Any unusual conditions or problems with the pretreatment system: N/A.

8. Process area description (identify raw materials and processes used): In addition to various administrative offices, a mechanic shop, and a library, the facility had four main process areas, which were inspected as a component of the site visit:

- Main shop floor—This area of the facility was used to inspect and repair helicopter blades received from customers. Once the blades were inspected to determine the exact scope of work needed, they were sent to the sanding room to be sanded. After the blades were sanded, they were returned to the main shop floor for repair. The blades were stripped of all paint and adhesive using a paint stripper. Paint stripper residue was removed with paper towels, which were stored in a hazardous waste drum located in the paint room.

- Sanding room—Blade sanding, using a vacuum sander, was conducted in this area of the facility. Sanding particulates were captured and hauled offsite for disposal. The sanding room was inactive at the time of the inspection.

- Paint room—Once the helicopter blades had been repaired and sanded, they moved to the paint room, where they were cleaned and rinsed using biodegradable soap and deionized water. Cleaning and rinsing occurred by hand directly over the stainless steel container. The facility president stated that all wash and rinse waters generated by the cleaning process were collected in a stainless steel wastewater containment cart, which was stored outside to evaporate the wastewater. The facility president added that during the wet season, wastewater was evaporated inside, in the mop room. Once the blades had been cleaned with an alkaline cleaner (sodium hydroxide and sodium phosphate), they were coated, painted, and dried. Drying occurred in an oven, located within the paint room. The chemical/paint storage container, hazardous waste storage area, and the mop room were located in this portion of the facility. The paint room was inactive at the time of the inspection.

- Clean room—Blades that had been repaired and painted were taken to the clean room for final inspection and balancing, using an electronic scale. The clean room was inactive at the time of the inspection.

In addition, the facility's outdoor shipping and receiving area was visited as a component of the inspection. The outdoor area was used to ship and receive blades to and from the facility's customers. Miscellaneous supplies were stored outside in shipping containers in this area of the facility. In addition, the stainless steel wastewater containment cart used for evaporation during the dry season was located in the outdoor shipping and receiving area.

9. Condition/operation of process area (Describe): The process areas were organized and used for individual facility operations. At the time of the inspection, blades were being inspected and repaired inside the main shop floor area. Blade cleaning, prepping, and painting was not occurring at the time of the inspection.

Any unusual conditions or problems with the process area: There were no unusual conditions or problems observed with the process area during the time of the inspection.

10. General housekeeping in process area (Describe): The process areas inspected during the site visit were relatively clean and free of debris. The main shop floor was slightly cluttered due to multiple helicopter

blades waiting for inspection and repair. Wastewater within the stainless steel containment cart was evaporating outside at the time of the inspection. See note 1 of the Notes section for additional details.

Any unusual conditions or problems with general housekeeping in process area: No unusual conditions or problems were identified with the general housekeeping of the process area during the time of the inspection.

11. Chemical storage area (identify the chemicals that are maintained on-site and how they are stored): Paint, solvent, alkaline cleaner (sodium hydroxide and sodium phosphate), and biodegradable soap containers were labeled and stored inside a flammable material storage cabinet located within the paint room.

Any floor drains?	No.	Any spill control measures?	Spill kits were maintained in the facility shop area; however, spill kits were not located outdoors near the evaporation area.

General housekeeping of chemical storage area (Describe): The chemical storage area was clean and free of debris.

12. Are hazardous wastes drummed and labeled? Yes. See note 2 of the Notes section for additional details.
13. Does the IU have hazardous waste manifests? Yes.

Any problems associated with hazardous waste: See note 2 of the Notes section for additional details.

14. Solid waste production: The facility generates solid waste in the form of used solvent cleaning rags and sanding debris.

Solid waste disposal method(s): The solvent cleaning rags are hauled offsite as hazardous waste by a contractor. Hazardous waste manifests were not reviewed as a component of the inspection.

15. Description of sample location: N/A.

Sampling method/technique: N/A.

16. Evaluation of self-monitoring data?		Yes		No	X	N/A.

If yes, was self-monitoring adequate: N/A.

17. Who performs the self-monitoring analysis? N/A.

Notes:

1. The facility utilized a stainless steel, wastewater containment cart (with wheels) to evaporate process wastewaters generated at the facility. At the time of the inspection, the wastewater containment cart was stored outside, in the outdoor shipping and receiving area. The outdoor shipping and receiving area was enclosed by a chain-link fence; however, this area was not bermed or contained. Two storm drains were observed in the outdoor parking area, down gradient from the shipping and receiving area. Secondary containment was not provided for the stainless steel wastewater containment cart; therefore, in the event of spill from the cart, wastewater from the cart would flow unimpeded across the impervious surface of the parking area to the adjacent storm drain inlets. Spill kits were maintained inside the facility shop area.

2. At the time of the inspection, two 55-gallon drums of hazardous waste were stored inside the paint room. The hazardous waste drums contained solvent-laced, used paper towels from the blade stripping activities conducted at the facility. The drums were labeled as hazardous waste and dated June 28, 2013.

Tankerwash USA, Inc.

Site Visit Data Sheet

SITE VISIT DATA SHEET

INSTRUCTIONS: Record observations made during the IU site visit. Provide as much detail as possible.

Name of Industry: Tankerwash USA, Inc.

Address of Industry: 743 West Anderson Street; Stockton, CA 95206

Date of visit: 05/22/2014 | Time of visit: 10:25 a.m.

Name of inspector(s):
Michelle Price, Senior Environmental Compliance Officer, City of Stockton (City)
Anthony D'Angelo, EPA Contractor, PG Environmental, LLC

Provide the name(s) and title(s) of industry representative(s)

Name	Title	Phone/Email
Michael Vilarino	General Manager	209-932-0495 / vilarino@tankerwashusa.com
Josh Bennett	Compliance/QA/QC	209-932-0495
IU Permit Number: None	Exp Date: Not reviewed (N/R).	IU Classification: Categorical industrial user (CIU) subject to 40 CFR 442.16.

Inspection Type/Purpose		Scheduled	X	Unscheduled	X	PCA
		PCI		New Company		Complaint

Please provide the following documentation:

1. Nature of operation: The facility washed tanker truck interiors for a variety of clients. The facility representatives stated that the facility primarily conducted washing for food-grade material haulers; however, some chemical trucks were washed at the facility. The facility's interior washing of vehicles used to transport food grade materials and other products is regulated under the federal regulations at 40 CFR 442, Rail Tank Cars Transporting Chemical and Petroleum Cargos, pretreatment standards for new sources.

2.	Number of employees	12	Number of shifts:	3	Hours of operation:	Monday–Friday; 24 hours per day.

3. Water source: California Water Service

4. Wastestream flow(s) discharged to the POTW: The facility discharged pretreated wash waters from the truck washing operations, boiler blowdown, and water softener to the sanitary sewer.

Sanitary:	Not Reviewed (N/R).	Process:	20,000–25,000 gallons per day (gpd).	Combined:	N/R.

5. Describe any significant changes in process or flow: No significant changes were observed during the inspection; however, the facility general manager stated that a new serpentine chemical dosing unit had been added to the facility's pretreatment system since the last City inspection.

6. Type of pretreatment system (Describe): The facility's pretreatment system involves wastewater equalization, settling, suspended air flotation, and pH adjustment. Wastewater generated from the facility's tank washing activities is collected in two underground sump pits. From the sump pits, wastewater is pumped directly to the 30,000-gallon, cone-bottomed settling tank, where solids settle to the bottom. From the settling tank, wastewater is gravity fed to the suspended air flotation (SAF) unit. From the SAF influent section, the wastewater flows through the serpentine chemical dosing unit, where coagulant, polymer, froth inhibitor, and pH adjustment chemicals (sodium hydroxide and sulfuric acid) are added before the wastewater enters the SAF wet well. Oil and grease and suspended materials are

	skimmed from the surface of the SAF. An auger transports the SAF sludge to a holding tank. Solids collected in the holding tank are transferred to a solids storage tanker and hauled offsite to East Bay Municipal Utility District (MUD) for disposal. Wastewater within the SAF is recirculated until the pH reaches the target pH range of 5.0–10.0 standard units. Effluent from the SAF is discharged to the City. NOTE: The pretreatment system is reported as it was observed during this inspection.				
	Continuous flow	X	Batch		Combined
7.	Condition/operation of pretreatment system (Describe): The pretreatment system was located outside, north of the wash bays. The pretreatment system appeared to be properly operating at the time of the inspection.				
	Any unusual conditions or problems with the pretreatment system: There were no unusual conditions observed with the pretreatment system during the time of the inspection.				
8.	Process area description (identify raw materials and processes used): The facility had three interior truck bays designated for washing operations in addition to an office. A tanker truck parking area was located in the facility outdoor yard.				
9.	Condition/operation of process area (Describe): The truck washing bays were in use at the time of the inspection and were observed.				
	Any unusual conditions or problems with the process area: No unusual conditions or problems were observed with the process area during the inspection.				
10.	General housekeeping in process area (Describe): The process area was wet from the washing operations taking place at the time of the inspection.				
	Any unusual conditions or problems with general housekeeping in process area: There were no unusual conditions or problems observed with the housekeeping of the process area.				
11.	Chemical storage area (identify the chemicals that are maintained on-site and how they are stored): Due to time constraints, the audit team primarily inspected the wastewater treatment system and outdoor chemical storage area. The facility maintained a 1,500-gallon tank of sodium hydroxide used for pH adjustment. Secondary containment was provided for the tank.				
	Any floor drains?	N/R.	Any spill control measures?	N/R; however, the sodium hydroxide tank observed in the outdoor chemical storage area had secondary containment.	
	General housekeeping of chemical storage area (Describe): There were no problems observed with the outdoor chemical storage area visited during the inspection.				
12.	Are hazardous wastes drummed and labeled? N/R.				
13.	Does the IU have hazardous waste manifests? N/R.				
	Any problems associated with hazardous waste: N/R.				
14.	Solid waste production: The facility generates sludge from the settling tank and from the SAF unit. The sludge from the settling tank is primarily composed of heel removed from the tanker truck (e.g., leftover flour, sugar, etc.).				
	Solid waste disposal method(s): Solids are stored in a solids storage tanker and hauled offsite to East Bay MUD.				
15.	Description of sample location: Samples at the facility are collected by the ISCO 3700, 24-hour composite sampler at the sample port on discharge line.				
	Sampling method/technique: Grab and composite samples are collected at the facility's sampling point.				
16.	Evaluation of self-monitoring data?		Yes	X	No		N/A

If yes, was self-monitoring adequate: N/R.
17. Who performs the self-monitoring analysis? This component was not reviewed as part of the site inspection.
Notes:
1. The facility has had issues in the past with wastewater pretreatment; however, the City inspectors have worked closely with the facility to establish an adequate pretreatment system for the facility. Both facility representatives appeared to have a strong working knowledge of the facility's pretreatment system. 2. The facility maintains a wastewater log to track meter readings, calibration dates, and discharge events. The facility representative stated that the log book contains a checklist for employees to run through when recording information. The City inspector expressed concern that the log book was spiral bound; however, the pages in the book were numbered. It is recommended that the City follow up with the facility and suggest the use of a bound notebook or other method to ensure that adequate records are kept in the log book. No deficiencies were noted at the facility at the time of the inspection.

Western Square Industries, Inc.

Site Visit Data Sheet

SITE VISIT DATA SHEET

INSTRUCTIONS: Record observations made during the IU site visit. Provide as much detail as possible.

Name of Industry: Western Square Industries, Inc.

Address of Industry: 1621 North Broadway Avenue; Stockton, CA 95205

Date of visit: 5/22/2014 | Time of visit: 10:35 a.m.

Name of inspector(s):
Richard Stiffler, Technical Services Supervisor, City of Stockton (City)
Brian Toledo, Environmental Compliance Officer, City
Kettie Holland, EPA Contractor, PG Environmental, LLC

Provide the name(s) and title(s) of industry representative(s)

Name	Title	Phone/Email
Larry Bartko	Plant Engineer	209-944-0921

IU Permit Number: None.	Exp Date: 6/30/2019	IU Classification: Zero-discharging categorical industrial user (CIU).

Inspection Type/Purpose						
	X	Scheduled		Unscheduled	X	PCA
		PCI		New Company		Complaint

Please provide the following documentation:

1. Nature of operation: The zero-discharging facility welds and powder coats steel, which is used primarily for producing wine barrel racks, horse corrals, chicken coops, and trailers. The facility applies a phosphate coating to the steel prior to powder coating it. The facility's phosphate coating operation is regulated under 40 CFR 433 of the federal regulations.

2.	Number of employees:	Approximately 30	Number of shifts:	1	Hours of operation:	Monday–Thursday, 7:00 a.m.–3:30 p.m.

3. Water source: California Water Service

4. Wastestream flow(s) discharged to the POTW: The facility does not discharge process wastewater to the sanitary sewer system.

Sanitary:	Not reviewed (N/R).	Process:	N/A.	Combined:	N/A.

5. Describe any significant changes in process or flow: No significant changes in process or flow were observed during the time of the facility inspection.

6. Type of pretreatment system (Describe): Due to the fact the facility does not discharge process wastewater to the sanitary sewer, the facility does not have a pretreatment system. However, the facility does have a process for treating the rinse water generated from the phosphate coating process. Some of the wastewater evaporates; the rest of the water is sent through a three-stage clarifier and a 10-micron sock filter before being stored in one of three storage tanks. From the storage tanks, it is reintroduced to the phosphate coating tank and rinse baths. The facility representative stated that the 10-micron sock filter is changed approximately twice per year.

N/A	Continuous flow	N/A	Batch	N/A	Combined

7. Condition/operation of pretreatment system (Describe): N/A.

Any unusual conditions or problems with the pretreatment system: N/A.

8. Process area description (identify raw materials and processes used): The facility received steel of varying sizes and fabricated the metal into final products for distribution. The facility welded and sanded steel pieces to form a variety of products. The products were then treated in a phosphate bath and various

	rinse tanks prior to being conveyed to the oven for drying. During the large-item phosphatizing process, the pieces were pressure sprayed with phosphate chemicals in a bermed area with overhead coverage. The wastewater generated from this process drained to a sump, which was pumped to a three-stage clarifier. After the drying process, the metal pieces entered the powder coating booth. Employees used wet paint to touch up the corners of the metal that was not covered during the powder coating process. The final product went through final QA/QC procedures before being stored in a covered area. From there, the products were packaged and shipped to customers.
9.	Condition/operation of process area (Describe): The process areas inspected were relatively clean. The metal pieces were transported through the different process areas by a moving overhead rack system. • Welding area—The welding area of the facility was large and was located in a warehouse-type building. There were no floor drains in the area. • Phosphate coating system—The automatic phosphate washing and coating system consisted of three stages—an iron phosphate solution tank followed by two clean-water rinse tanks. The rinse water was recycled. Additionally, treated wastewater from the three storage tanks was used for makeup water for the iron phosphate solution and for the rinse tanks. The facility representative mentioned that rainwater may be collected and used in the tanks. • Covered wash bay area—The bermed area used for phosphatizing larger items was relatively clean. The clarifier and chemicals with secondary containment units were housed in this area. Behind this area, in the south-central area of the facility, a discharge pipe to the sanitary sewer had been severed and sealed.
	Any unusual conditions or problems with the process area: There were no unusual conditions or problems observed with the process area during the time of the inspection.
10.	General housekeeping in process area (Describe): The process areas were generally clean and free of debris.
	Any unusual conditions or problems with general housekeeping in process area: No unusual conditions with the general housekeeping of the process areas were identified during the inspection.
11.	Chemical storage area (identify the chemicals that are maintained on-site and how they are stored): The majority of the facility's chemicals observed during the inspection were stored in the covered wash bay area. A phosphoric acid solution was stored on a secondary containment pallet. Refer to note 1 in the Notes section for further detail.

Any floor drains?	No.	Any spill control measures?	Yes. See note 1 in the Notes section.

	General housekeeping of chemical storage area (Describe): The chemicals observed at the facility were stored in the covered wash bay area. Secondary containment was provided for the 55-gallon drum containing a phosphoric acid solution, but sludge and debris had accumulated in the secondary containment unit.
12.	Are hazardous wastes drummed and labeled? Hazardous waste drums were not observed during the facility inspection.
13.	Does the IU have hazardous waste manifests? Yes. See note 2 in the Notes section for further detail.
	Any problems associated with hazardous waste: No problems with hazardous waste were observed at the facility.
14.	Solid waste production: The facility produced solid waste in the form of sludge, which settled at the bottom of the storage tanks and the clarifier. The tanks were in need of pumping at the time of the inspection. See note 3 in the Notes section for further detail.

	Solid waste disposal method(s): The facility representative stated that a contractor was responsible for pumping and properly disposing of the sludge that accumulated in the storage tanks.
15.	Description of sample location: The facility did not discharge wastewater to the City's sanitary sewer system and thus did not have a sampling location. See note 4 in the Notes section for further detail.
	Sampling method/technique: N/A.
16.	Evaluation of self-monitoring data? ☐ Yes ☐ No ☒ N/A
	If yes, was self-monitoring adequate: This component was not reviewed as part of the inspection.
17.	Who performs the self-monitoring analysis? This component was not reviewed as part of the inspection.

Notes:

1. During the inspection of the covered wash bay area, a 55-gallon drum of a phosphoric acid solution was observed stored on a secondary containment pallet. Debris and a sludge-like waste had accumulated in the secondary containment unit. It appeared that the containment unit would not have the capacity to contain the liquid in the event of a spill or leak. Therefore, it is recommended that the City conduct a follow-up inspection at the facility to ensure that the secondary containment units at the facility are adequate for containing all liquid that would be released from a leak or a spill.

2. At the time of the inspection, the facility's invoices for hauling waste oil were reviewed. On September 27, 2013, one, drained, used oil filter was hauled offsite.

3. During the inspection of the storage tanks at the facility, a significant amount of accumulated sludge was observed at the bottom of Tank 1. The facility representative stated that the tanks were typically pumped on an annual basis and that they were planning to pump the solids from the tank in the near future. It is recommended that the City follow up with the facility to ensure that the storage tanks are pumped and that the facility provides adequate documentation for the pumping event.

4. The audit team confirmed that the facility was not discharging process wastewater to the City's sanitary sewer.

Wilmar Oils & Fats (Stockton) LLC

Site Visit Data Sheet

SITE VISIT DATA SHEET

INSTRUCTIONS: Record observations made during the IU site visit. Provide as much detail as possible.

Name of Industry: Wilmar Oils and Fats (Stockton), LLC

Address of Industry: 2008 Port Road B; Stockton, CA 95203

Date of visit: 05/21/2014 | Time of visit: 1:00 p.m.

Name of inspector(s):
Tasha Cheney, Environmental Control Officer, City of Stockton (City)
Richard Stiffler, Technical Services Supervisor, City
Michelle Price, Senior Environmental Control Officer, City
Russell Norman, P.E., Water Resources Control Engineer, State Water Resources Control Board (SWRCB)

Provide the name(s) and title(s) of industry representative(s)

Name	Title	Phone/Email
Robert Kloepfer	Plant Superintendent	209-507-7502 / rob.kloepfer@wilmar-intl.com
Walt Halley	Plant Manager	209-507-7502
IU Permit Number: None.	Exp Date: 05/31/2018	IU Classification: Noncategorical significant industrial user (SIU).

Inspection Type/Purpose						
	X	Scheduled		Unscheduled	X	PCA
		PCI		New Company		Complaint

Please provide the following documentation:

1. Nature of operation: The facility received various edible palm oils via barge at the Port of Stockton. The facility then stored, refined, and distributed the oil via railcar and truck. The City had classified the facility as an SIU due to the nature of the wastewater discharged from the facility to the sanitary sewer.

2.	Number of employees	18	Number of shifts:	3	Hours of operation:	24 hours per day; Monday through Friday.

3. Water source: California Water Service. See note 1 of the Notes section for additional details.

4. Wastestream flow(s) discharged to the POTW: The facility discharged pretreated wastewaters from the facility's palm oil refining process and general sanitation processes to the sanitary sewer. Wastewater generated from the refining process was primarily composed of condensate generated from the facility's vacuum scrubber system. Wastewater generated from the sanitation process was primarily wash water from the refinery's walkway, and was collected in the refinery floor drains. The facility also discharged pretreated wastewater from the facility's boiler systems, evaporative condenser system, and reverse osmosis (RO) unit to the sanitary sewer.

Sanitary:	Not Reviewed (N/R).	Process:	0–10,000 gallons per day (gpd) depending on daily processes.	Combined:	Not reviewed (N/R).

5. Describe any significant changes in process or flow: The facility had recently changed the location where boiler blowdown and RO reject was introduced into the facility's pretreatment system. See note 2 of the Notes section for additional details.

6. Type of pretreatment system (Describe): The facility removes oil from its wastewater utilizing an oil/water separator and (DAF) unit.

Wastewater collected in the facility refinery floor drains and the loading dock containment pits flows to a centralized sump located on the south side of the pretreatment system. Wastewater from the vacuum scrubber system (i.e., steam condensate) used in the refining process flows to a wastewater hot well located adjacent to the sump. The contents of both the sump and hot well flow to an above-ground Hydroflow Tech, Inc. oil/water separator located in the pretreatment system area to remove free oil from the wastewater.

Free oil collected by the oil/water separator is pumped to a waste oil tank located within the facility's tank farm; from there it is reintroduced into the refining process. Wastewater from the oil/water separator flows into an equalization tank for pH adjustment using either a 25 percent sodium hydroxide or 25 percent sulfuric acid solution. The equalization tank had been recently equipped with a mixing pump to promote wastewater homogenization. See note 3 of the Notes section for additional details. Boiler blowdown and cooling tower blowdown is introduced to the equalization tank. Wastewater from the equalization tank flows to the DAF unit, where flocculent and coagulant are added. Oils skimmed from the top of the DAF unit are pumped to the waste oil tank located within the facility tank farm. From the DAF unit, wastewater flows north past a pH meter to ensure the pH of the wastewater is compliant with permit conditions. Wastewater that is out of the specified pH range is routed back to the wastewater sump and reintroduced into the oil/water separator. A wastewater monitoring station is located at the pretreatment area. This station contained pH, flow, and temperature chart recorders, a control panel, a composite sampler, a flow meter, and a pH meter. See note 4 of the Notes section of this report for additional details.

NOTE: The pretreatment system is reported as it was observed during this inspection.

	Continuous flow	X	Batch		Combined

7. Condition/operation of pretreatment system (Describe): The pretreatment system appeared to be operating properly at the time of the inspection; however, the facility recently installed a new mixing pump at the equalization tank. See note 3 of the Notes section of this report for additional details.

Any unusual conditions or problems with the pretreatment system: Yes, see notes 4 and 5 of the Notes section of this report for additional details.

8. Process area description (identify raw materials and processes used): Two process areas at the facility were inspected during the site visit:

- Berth 2—The facility received raw palm oil from barges at the Port of Stockton Berth 2. Raw materials were offloaded and piped to the facility via two 8-inch pipelines. The raw oil was pumped to four heated, 2.5 million-gallon storage tanks located within the tank farm. It should be noted that the tank farm was not visited as a component of the inspection; however, the City representatives stated that the tank farm was inspected during the annual inspection. In addition, the City representatives stated that the oil unloading area at Berth 2 was visited during the first inspection conducted by the City; however, since the berth is not part of the facility property but part of the Port of Stockton, it would not be visited for future inspections conducted by the City inspectors.

- Refinery—Raw liquid oil from the tank farm's heated storage tanks was piped to the refinery for two processes: bleaching and deodorizing. The raw oil was first bleached using a diatomaceous earth and bleaching clay. Once the bleaching reaction was complete, the spent earthen bleaching materials were filtered out, stored in dumpsters, and hauled offsite to a landfill. The bleached palm oil was then piped to a high temperature vacuum process for deodorizing. A vacuum scrubber

decomposed any remaining impurities in the palm oil. The bleached and deodorized palm oil was piped back to the tank farm for storage until distribution.

A quality control laboratory was located on the second floor of the refinery building. The facility representatives stated that the drains inside the laboratory, including sinks used to wash laboratory equipment, were connected to the facility's domestic waste line and did not lead to the pretreatment system.

- Load rack—Product that was ready for distribution was loaded at the load rack, which contained loading equipment for both tanker truck and rail car distribution. The load rack was equipped with two pits with permeable bottoms to collect any spills or leaks occurring in this area. See note 6 of the Notes section of this report for additional details. Stormwater runoff that accumulated in the containment pits primarily infiltrated into the permeable bottoms of the containment pits. The containments pits were connected to the facility's pretreatment sump. The City inspectors stated that the facility was required to notify the City prior to amptying the load rack containment pits into the pretreatment sump. The facility representatives were unsure of the holding capacities of the load rack containment pits but stated that the information was available onsite. The containment pits appeared to be clean and free of waste oil at the time of the inspection.

  A 200-gallon diesel tank used to run the railcar mover was located near this area. In addition, dumpsters used to store unusable waste oils and waste bleaching soils used in the facility's oil bleaching process were stored near this area of the facility.

- Maintenance Shop—The facility maintained a maintenance shop onsite to assist in equipment repair. The majority of chemicals maintained onsite at the facility were stored inside the maintenance shop. The boilers and cooling towers were located near this area of the facility.

9.	Condition/operation of process area (Describe): The process areas observed during the inspection appeared to be operating properly at the time of the site inspection.			
	Any unusual conditions or problems with the process area: No unusual conditions or problems were observed with the process areas during the time of the site visit.			
10.	General housekeeping in process area (Describe): The process areas were very clean and free of debris.			
	Any unusual conditions or problems with general housekeeping in process area: No unusual conditions or problems were observed with the general housekeeping of the process areas during the inspection.			
11.	Chemical storage area (identify the chemicals that are maintained on-site and how they are stored): Various chemicals, including chemicals used for wastewater treatment, were stored indoors at the maintenance shop and boiler room. Secondary containment units were provided for the chemicals. This inspection process did not include an extensive review or inventory of the chemicals onsite.			
	Any floor drains?	No.	Any spill control measures?	Secondary containment units were provided for chemical containers.
	General housekeeping of chemical storage area (Describe): No unusual conditions or problems were observed with the general housekeeping of the chemical storage area during the inspection.			
12.	Are hazardous wastes drummed and labeled? N/R.			
13.	Does the IU have hazardous waste manifests? N/R.			
	Any problems associated with hazardous waste: N/R.			
14.	Solid waste production: The facility produces solid waste in the form of ambient waste palm oil that is			

	not reintroduced into the refining process and spent diatomaceous earth/clays from the bleaching process.					
	Solid waste disposal method(s): The waste oil and bleaching clays were stored in dumpsters and hauled offsite periodically by a contractor to a landfill.					
15.	Description of sample location: Samples were to be collected at an Efflo refrigerated composite sampler, located near the flume and discharge point.					
	Sampling method/technique: The facility was collecting composite and grab samples as required by the permit.					
16.	Evaluation of self-monitoring data?		Yes	X	No		N/A
	If yes, was self-monitoring adequate: N/R.					
17.	Who performs the self-monitoring analysis? N/R.					

Notes:

1. The facility representatives informed the audit team that the facility was using water provided by California Water Service. The facility initially had used water provided by the Port of Stockton; however, the facility switched its supply to California Water Service because the Port's water supply was not reliable enough for the facility's operations.

2. The facility's slug discharge control plan (and previous City inspection records) stated that boiler blowdown, cooling tower blowdown, and RO reject from the facility's RO unit was introduced into the facility's wastewater stream, downstream of the pretreatment system, but upstream of the flow meter. The facility representatives informed the audit team that the facility had recently modified the facility so that blowdown and reject water were introduced into the wastewater stream at the equalization tank. According to item 21 of the General Permit Conditions of the faciltiy's permit, the facility is required to notify the City of any significant changes to the facility's operations or system which may alter the nature, quality, or volume of its wastewater at least ninety days before the change. It was unclear to the audit team if this change was considered "significant" or whether this modification had been communicated to the City.

3. The facility representatives informed the audit team that the facility had installed a new mixing pump for the equalization tank approximately three weeks prior to the site inspection. The purpose of the pump is to promote homogenization of the wastewater within the tank. The facility representatives explained that before the mixing pump was added, it was very difficult to obtain an accurate pH reading of the wastewater, which resulted in frequent chemical overdoses. The facility representatives stated that pH adjustment has been much more accurate since the mixing pump has been installed, due to more accurate pH readings.

4. The City inspector noted that the pH chart at the chart recorder located at the pretreatment area had been incorrectly placed on the recorder. Specifically, the pH chart was recording pH readings for that day (Wednesday May 21, 2014) on the Thursday May 22, 2014 section of the chart. The City inspector made a note of the discovery in the facility's wastewater operations log book to note the incorrect recording date. It is recommended that the City follow up with the facility to ensure that the correct measurement procedures for recording pH values are implemented at the facility.

5. The facility representatives informed both the audit team and the City inspectors of the facility's overall dissatisfaction with the performance of the facility's oil/water separator. The contact stated that the unit struggled to work after installation and that the unit was still not removing the desired amount of free oils

from the wastewater. The representative added that they may choose to replace the oil/water separator with a different unit sometime in the future. It is recommended that the City have the facility revisit the design specifications of the oil/water separator. Further, the City and facility should evaluate the characteristics of the wastewater being discharged to the separator. Wastewater with highly variable pH levels or high temperature may affect the ability of the separator to perform as designed.

6. The facility's load rack was equipped with two permeable-bottomed pits to collect any spills or leaks that may occur at the load rack. Due to the permeable bottoms of the pits, in the event of a spill or leak, there is a potential for the heated palm oils to infiltrate into the ground.

CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Central Valley Regional Water Quality Control Board

Received
AUG 05 2013
Municipal Utilities

2 August 2013

Debbie Livermore
Regulatory Compliance Officer
City of Stockton
2500 Navy Drive
Stockton, CA 95206

PRETREATMENT COMPLIANCE EVALUATION INSPECTION FOR THE CITY OF STOCKTON, REGIONAL WASTEWATER CONTROL FACILITY, SAN JOAQUIN COUNTY

Attached is a copy of a pretreatment inspection report for the City of Stockton (City) Regional Wastewater Control Facility. The inspection was conducted on 27 March 2013 by CDM Smith, a USEPA contractor, to evaluate compliance with Waste Discharge Requirements Order R5-2008-0154 (NPDES No. CA0079138).

Please respond by **2 September 2013**, indicating the actions that have been implemented, or will be implemented, to address the *Inspection Findings* found on pages two and three of the attached *Pretreatment Compliance Inspection Summary Report.* If you disagree with any of the enclosed findings, please provide an explanation and any supporting information necessary.

If you have any questions, please contact me at (916) 464-4623 or nmorgan@waterboards.ca.gov.

Nichole Morgan, P.E.
Senior Water Resource Control Engineer
NPDES Compliance and Enforcement Unit

Enclosure: Pretreatment Inspection Report

cc: Kenneth Greenberg, USEPA, Region 9, San Francisco
Luis Garcia-Bakarich, USEPA, Region 9, San Francisco
Amelia Whitson, USEPA, Region 9, San Francisco
Russell Norman, Division of Water Quality, Sacramento
Sami Nall, CDM Smith, Sacramento

Pretreatment Compliance Inspection

Summary Report

Publicly Owned Treatment Works:	City of Stockton
Location:	2500 Navy Drive, Stockton, CA 95206
Contacts:	Richard Stiffler, Technical Services Supervisor Debbie Livermore, Regulatory Compliance Officer Michelle Price, Lead Pretreatment Inspection Officer
Inspection Dates:	March 27, 2013
Inspection By:	Greg Roy, CDM Smith Sami Nall, CDM Smith
Draft Report Submitted:	May 20, 2013
Final Report Submitted:	July 22, 2013

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Attachments:
Attachment A City of Stockton Municipal Code for Wastewater Discharges and Treatment Works
Attachment B Enforcement Response Plan
Attachment C City of Stockton's Responses to Inspector's Debrief

Acronyms

BOD	biochemical oxygen demand
BMP	best management practices
CDM Smith	CDM Federal Programs Corporation
CFR	Code of Federal Regulations
City	City of Stockton
CO	correction order
County	San Joaquin County
EPA	United States Environmental Protection Agency
ERP	Enforcement Response Plan
FOG	fats, oils, and grease
Inspection	pretreatment compliance inspection
IU	industrial user
MGD	million gallons per day
mg/l	milligrams per liter
MOU	Memorandum of Understanding
NPDES	National Pollution Discharge Elimination System
NOV	notice of violation
POTW	publically owned treatment work
Regional Board	Central Valley Regional Water Quality Control Board
SIU	Significant Industrial User
SNC	significant noncompliance
SUO	Sewer Use Ordinance
TSS	total suspended solids
WWTP	wastewater treatment plant

City of Stockton
Pretreatment Compliance Inspection

Executive Summary

CDM Federal Programs Corporation (CDM Smith) conducted a pretreatment compliance inspection (Inspection) for the City of Stockton's (City) pretreatment program on March 27, 2013. In general, the Inspection found that enforcement of the pretreatment program has been conducted properly and the City's documents and filing system are very well organized. The Inspection determined a few program deficiencies related to implementation of the Streamlining Rule in the City's Municipal Code for Wastewater Discharges and Treatment Works (referred to as the Sewer Use Ordinance [SUO]) and Enforcement Response Plan (ERP).

1 Introduction

The Inspection was conducted by Greg Roy and Sami Nall of CDM Smith on March 27, 2013. The City's last pretreatment compliance inspection was conducted on March 16 and 18, 2011. The inspectors interviewed the pretreatment program staff, reviewed the pretreatment program files, and conducted a site inspection of one industry. During the interview, the pretreatment program staff explained the size and scope of the pretreatment program to the inspectors. Documents reviewed during the Inspection included the SUO, ERP, and standard industrial permit. Files for eight Significant Industrial Users (SIUs) were also reviewed. This report presents the findings of the Inspection.

1.1 Overview of the City's Publicly Owned Treatment Works

The City's wastewater treatment plant (WWTP) has a design capacity of 55 million gallons per day (MGD) and is currently receiving between 25 and 30 MGD of influent flow. The facility has sufficient hydraulic and loading capacity remaining. An upgrade of the WWTP is expected within the next couple of years. The facility has a surface water discharge only.

1.2 Overview of the City's Pretreatment Program

The City is responsible for providing wastewater treatment and regulating all discharges from within the service area. The City's WWTP is regulated by National Pollution Discharge Elimination System (NPDES) permit number CA0079138. There were recent NPDES violations for cyanide and ammonia. The cyanide violation was the result of laboratory error and the ammonia violation was due to WWTP operation issues. There were no NPDES violations that were a result of industrial discharges. The City's pretreatment program permits a total of 72 industrial users (IUs):

- 19 Categorical SIUs
- 34 Non-Categorical SIUs

- 7 Zero Discharging Categorical Industrial Users
- 12 Non-significant Categorical Industrial Users

1.3 Summary of Inspection Findings

Provided below is a summary of the findings of the Inspection. Detailed information is presented in the referenced report sections:

Requirements

- The City should confirm the Regional Board's approval of both the SUO and the ERP. (Section 2)
- The City's SUO is missing sampling collection procedures as required by Title 40 of the Code of Federal Regulations (40 CFR) Section 403.12 (g). This is also a Streamlining Rule requirement that must be included in all local control mechanisms. (Section 5)
- The record keeping requirements for best management practices (BMPs) are not included in the City's SUO. This Streamlining Rule change is contained in 40 CFR Section 403.12 (o). The City's SUO must be updated for this requirement. (Section 5)
- In violations section, the minimum penalty of $1,000 must be corrected per 40 CFR Section 403.8. The penalty must be $1,000 per day for each violation. (Section 5)

Recommendations

- The City's SUO includes a list of local limits but does not indicate the frequency of these limits. Permits define pollutant limits as an "instantaneous maximum." Therefore, this same definition should be provided in the SUO where local limits are listed. (Section 5)
- Biochemical oxygen demand (BOD) and total suspended solids (TSS) are listed in the permits as discharge limits but are not in the SUO. These pollutants should not be enforced as part of the pretreatment program unless they are defined in the SUO as local or categorical pollutants of concern. BOD and TSS should be removed from the permits, or local limits need to be developed and included in the SUO. (Section 5)
- Correction Order (CO) is listed in the acronyms list of the ERP, but it is not listed in the escalating enforcement response guide. In addition, CO was an enforcement taken against Hormel in 2012. There is no documentation or definition regarding CO and what negligence initiates CO enforcement. The ERP should be revised to clearly define CO and Notice of Violation (NOV). (Section 5)

- It is suggested that the local limits, which were initially developed in 1982, be updated. This effort should not proceed until upgrades at the WWTP are completed. (Section 3)

- There is no definition of significant noncompliance (SNC) in the City's SUO. The City should consider adding this definition to the SUO. (Section 5)

- The inspectors suggested a two tier voluntary program to become proactive with controlling mercury discharges. The first includes an industrial survey to locate and catalog all dental facilities within the City service area. Subsequently, it is suggested that the City conduct a survey to determine which dentists currently use amalgam separators. (Section 11.3)

- It is suggested that during future annual inspections, the City discuss United States Environmental Protection Agency (EPA) suggestions with all industrial laundries. The City can find further information on EPA's Safer Detergents Stewardship Initiative at http://www.epa.gov/dfe/pubs/projects/formulat/sdsi.htm and http://www.cleangredients.org/home. (Section 11.5)

2 Pretreatment Program Modifications

40 CFR Section 403.18 requires the City to notify the Central Valley Regional Water Quality Control Board (Regional Board) when substantial modifications are made to its pretreatment program. The City's SUO and ERP were updated in 2009 for the Streamlining Rule. There is no record of these documents receiving Regional Board approval. The City should confirm the Regional Board's approval of both the SUO and the ERP.

3 Local Limits

Pretreatment regulations 40 CFR Section 403.5(c) require publicly owned treatment works (POTWs) to develop and enforce local limits to prevent pass through or interference of the treatment works. Also, upon renewal of the NPDES permit, the City is required to provide a written technical evaluation to assess the need for revising the local limits, under 40 CFR Section 122.44 (j)(2)(ii).

The current local limits were developed in 1982 and are overdue for an update. It is suggested that the pollutants of concern be reviewed and that new technically based local limits be calculated. This effort should not proceed until upgrades at the WWTP are completed.

4 Nondomestic Discharger Characterizations

The pretreatment regulations require the City to *"develop and implement procedures to identify and locate industrial users (IUs) that might be subject to the pretreatment program"*,

under 40 CFR Section 403.8 (f)(2). The City is required to have procedures to identify industries that should be permitted as SIUs.

The inspectors noted that the City appears to have adequate procedures in place for tracking new industries that might produce nondomestic discharges and require inclusion in the pretreatment program. These procedures include:

- Monthly review of new business licenses from member agencies by the Pretreatment Inspectors.
- Monthly review of new building permits from member agencies by the Pretreatment Inspectors.
- Routine windshield surveys and 'drive-bys' by the Pretreatment Inspectors.
- Reports of new businesses from various news outlets.

5 Control Mechanisms

The pretreatment regulations require the City to apply control mechanisms (e.g., permits, orders or similar means) under 40 CFR Section 403.8(f)(1)(iii). The pretreatment program has the appropriate control mechanisms, but some require modifications to be compliant with the federal regulations.

The following observations were made:

- The City's SUO was updated in 2009 for the Streamlining Rule changes. The following are comments related to the City's SUO.
  - The City's SUO includes a list of local limits but does not indicate the frequency of these limits. Permits define pollutant limits as an "instantaneous maximum." Therefore, this same definition should be provided in the City's SUO where local limits are listed.
  - BOD and TSS are listed in the permits as discharge limits but are not in the City's SUO. In addition, there were industries in SNC due to a violation of these permit limits. These pollutants should not be enforced as part of the pretreatment program unless they are defined in the City's SUO as a local or categorical pollutant of concern. BOD and TSS should be removed from the permits, or local limits need to be developed and included in the City's SUO. Following the Inspection, the City submitted a response to this comment, which is provided in Attachment C to this report. The City defines these (different) pollutant limits by industry, where required to protect the City's WWTP from pass through and interference. The discharge limits for BOD and TSS must be defined as local limits and need to be enforced per 40 CFR Section 403. Setting an arbitrary limit for these pollutants is not technically or legally appropriate. Establishing local limits need to follow the EPA Local Limits Development Guidance Manual. A basis for selecting the limits must be developed (for each industry),

reviewed and approved by the Regional Board, and then included in the City's SUO for the legal authority. In addition, limits for BOD and TSS are intended to protect the WWTP but the facility is currently operating just above 50% of design capacity for loading and flow. Therefore, there remains an abundance of treatment capacity for BOD and TSS. A pass through and interference from an industrial discharge of these pollutants is highly unlikely.

- The City's SUO is missing sampling collection procedures as required by 40 CFR Section 403.12 (g). This is also a Streamlining Rule requirement and must be in all local control mechanisms.

  Following the Inspection, the City submitted a response to this comment, which is provided in Attachment C to this report. The City's response noted that the SUO allows for either grab or composite sampling and the City provides specific sampling requirements for each IU in each permit. The inspectors find that this is acceptable, but the City must provide greater definition of how grab and composite sampling are to be performed. This can be added to the City's SUO or there must be a reference to 40 CFR Section 403.12 (g).

- A definition of SNC should be added to the SUO. Following the Inspection, the City submitted a response to this comment, which is provided in Attachment C to this report. The City agrees that this would benefit the program but is not a required change. The inspectors agree and are including this comment as a recommendation.

- The record keeping requirements for BMPs are not included in the City's SUO. This Streamlining Rule change is contained in 40 CFR Section 403.12 (o). The City's SUO must be updated for this requirement. Following the Inspection, the City submitted a response to this comment, which is provided in Attachment C to this report. The City's opinion is that BMPs are an optional addition to a pretreatment program. EPA's Streamlining Rule Fact Sheet No. 7 requires that *"States and POTW's must revise their programs to ensure that they have the legal authority and procedures to enforce this requirement."* The Streamlining Rule does not require that BMPs be implemented, but that all control mechanisms contain the procedures and authority for the City to utilize them. The City's SUO is missing BMP requirements and must be updated for the Streamlining Rule.

- The ERP has been revised and a draft will be submitted to the Regional Board for review. The following are comments regarding the draft document.

  - In violations section, the minimum penalty of $1,000 must be corrected per 40 CFR Section 403.8. Penalties must be $1,000 per day <u>for each violation</u>.

  - CO is listed in the acronyms list, but it is not listed in the escalating enforcement response guide. In addition, CO was an enforcement taken against Hormel in 2012. There is no documentation or definition regarding

CO and what negligence initiates CO enforcement. The ERP should be revised to clearly define CO and NOV.

6 Application of Pretreatment Standards and Requirements

Under 40 CFR Section 403.8 (f)(1), the City is required to have the legal authority to require compliance with its pretreatment standards. The City is required to ensure compliance with its pretreatment program by issuing permits. The inspectors found that the City is in compliance with 40 CFR Section 403.8 (f)(1). The City issues the following permits to its IUs:

- 19 Categorical SIUs,
- 34 Non-Categorical SIUs,
- 7 Zero Discharging Categorical Industrial Users, and
- 12 Non-significant Categorical Industrial Users.

The issued permits enable the City to monitor compliance with its pretreatment standards.

7 Compliance Monitoring

The City is required to "*Carry out all inspection, surveillance and monitoring procedures necessary to determine, independent of information supplied by the IUs, compliance or noncompliance with applicable Pretreatment Standards and Requirements by the Industrial Users*" under 40 CFR Section 403.8 (f)(2)(v). In addition, the City is required to investigate instances of noncompliance and enforce the regulations under 40 CFR Section 403.8 (f)(2)(vi).

There is a Memorandum of Understanding (MOU) between The City and the San Joaquin County (County) for wastewater services. The MOU contains the required language that the County must adopt local sewer regulations that are at least as stringent as the City's.

7.1 Compliance Inspections

Under 40 CFR Section 403.8 (f)(2)(v), the Control Authority is required to inspect all permitted SIUs at least once a year. The City performs compliance inspections of all permitted SIUs at least once a year. The City also conducts compliance sampling at least once a year and is therefore in compliance with 40 CFR Section 403.8 (f)(2)(v).

7.2 File Review of Permitted Industrial Users

The City maintains over three years of files for all of its SIUs. The City preserves all permits, correspondence, and sampling data in folders located in several file cabinets. The files for eight IUs were reviewed during the course of the Inspection. The entire

file for each industry was reviewed and all appeared to be in compliance with pretreatment requirements.

Asco Power Technologies, is permitted as a categorical SIU, under 40 CFR Section 433.17 (Metal Finishing). Asco Power Technologies manufactures electrical switchgear and has an industrial flow limitation of 40,500 gallons per month. The City issued the permit on July 1, 2010 and it will expire on June 30, 2015. The entire file was reviewed and all items appeared to be in compliance with pretreatment requirements.

Applied Aerospace Structures, Corporation, is permitted as a categorical SIU under 40 CFR Section 433.15 (Metal Finishing). Applied Aerospace Structures manufactures aircraft and space parts. The City issued the permit on July 1, 2011 and it will expire on December 31, 2013. The entire file was reviewed and all items appeared to be in compliance with pretreatment requirements.

DTE Stockton, LLC is permitted as a categorical SIU, under 40 CFR Section 423.17 (Steam Electric Power Generating Point Source Category). DTE Stockton is currently a coal burning facility and is in the process of converting to a biomass facility. The City issued the permit on December 15, 2010 and it will expire on April 30, 2015. The entire file was reviewed and all items appeared to be in compliance with pretreatment requirements.

California Tank Lines, Inc. is permitted as a categorical SIU under 40 CFR Section 442.15(A) (Tank Trucks and Intermodal Tank Container Transporting Chemical and Petroleum Cargos). California Tank Lines is a bulk liquid transportation service. The City issued the permit on October 1, 2010 and it will expire on September 30, 2015. The industry has a flow limitation of 1 million gallons per month. The entire file was reviewed and all items appeared to be in compliance with pretreatment requirements.

Valimet, Inc. is permitted as categorical SIU regulated under 40 CFR Section 471.104 (Nonferrous Metals Forming and Metal Powders). Valimet is a manufacturer of metal powders. The City issued the permit on December 1, 2009 and it will expire on November 30, 2014. This industry is not permitted to discharge any wastewater. It was suggested that the City consider classifying Valimet as zero discharger; however, it is the City's choice to continue to classify them as an SIU. The entire file was reviewed and all items appeared to be in compliance with pretreatment requirements.

Tankerwash USA Inc. is a categorical SIU regulated under 40 CFR Section 442.16 (Transportation Equipment Cleaning Point Source Category, Subpart A). The City issued the permit with an effective date of May 1, 2012 and expiration of July 31, 2014. The permit includes a flow limitation of 1 MGD. The industry performs food grade tank washing and provides pretreatment. The entire file was reviewed and all items appeared to be in compliance with pretreatment requirements.

Sumiden Wire Products Corp. is a categorical SIU under 40 CFR Section 420.95 (a)(1). The City issued the permit with an effective date of June 1, 2012 and expiration of

May 31, 2017. The entire file was reviewed and all items appeared to be in compliance with pretreatment requirements.

Rotor Tech International is a zero discharge categorical industrial user under 40 CFR Section 433.17 (Metal Finishing Point Source). The City issued the permit with an effective date of January 1, 2012 and expiration of December 31, 2016. This industry could be reclassified as a non-significant categorical user but the City prefers to maintain the current monitoring authority. The entire file was reviewed and all items appeared to be in compliance with pretreatment requirements.

7.3 Industry Inspections of Permitted Industrial Users

On March 27, 2013, an industrial facility inspection was performed at Hormel Foods Corporation, (located at 1404 Fresno Avenue Stockton, California 95206) which is currently permitted as a non-categorical SIU. During 2012, Hormel Foods had violations of TSS, pH and flow monitoring. The City issued both a NOV and correction order for these violations. The permit effective date is January 1, 2011 and expires on December 31, 2015. The industry has a flow limit of 12 million gallons per month. The industrial activities include vegetable preparation including washing, peeling, and dicing/slicing. Water and steam are used extensively in this area. Meat preparation includes cubing, grinding, and gravy making. Inspectors found no current issues at this plant.

7.4 Slug Discharge Control Plan

The federal pretreatment regulations at 40 CFR Section 403.8(f)(2)(vi) require the City to evaluate each SIU by October 14, 2006, or within 1 year of a facility becoming an SIU, to determine whether the industry must develop and implement a Slug Discharge Control Plan. A slug discharge is any discharge of a non-routine, episodic nature, including an accidental spill or non-customary batch discharge. The regulations also require SIUs to notify the City immediately of any changes at the industry's facility that affect the potential for a slug discharge. The City assesses each industry for the need of a Slug Discharge Control Plan during annual inspections and records compliance in the inspection reports.

8 Enforcement

The City is required to develop a *"Statement of applicable civil and criminal penalties for violation of Pretreatment Standards and requirements, and any applicable compliance schedule"* under 40 CFR Section 403.8 (f)(5). In 2012, there were 23 IUs that were issued NOVs and Cos for violating the terms of their permits. In 2012, two permitted industries, Diamond Walnut Growers and Value Products, Inc., were in SNC and were published in the local newspaper.

9 Program Resources, Funding and Continuing Education

The City has four staff with varying responsibility for the pretreatment program. The Pretreatment Coordinator/Technical Services Supervisor manages the overall pretreatment program and staff. Under the pretreatment coordinator, three inspectors have responsibility for industries within the service area. The City's program is adequately staffed and has sufficient resources to perform their duties.

Pretreatment program funding is sufficient and increases appropriately each year. The staff receives appropriate training and they attend both local and regional conferences. The staff has appropriate licenses.

10 Implementation of Previous Inspection Requirements and Recommendations

A pretreatment compliance inspection was performed and summarized in a report dated March 16 and 17, 2011. The inspection report contains several requirements and recommendations which were briefly reviewed during this Inspection. The following table presents the requirements of the previous inspection report (Pretreatment Inspection Report dated March 16 and 17, 2011):

Requirements from March 16 & 17, 2011 Inspection	*The City of Stockton's Progress on Requirements*
The federal pretreatment regulations at 40 CFR 403.8(f)(1)(iii)(B)(4) require that wastewater discharge permits "include an identification of pollutants to be monitored." ChemStation of Northern California is classified under 40 CFR 417.166 (Soap and Detergent Manufacturing). The federal regulations at 40 CFR 417.166 require that surfactants be monitored, even though there is no limitation for the parameter. The permit for ChemStation of Northern California did not list surfactants as a parameter that must be monitored. In addition, the permit for Applied Aerospace Structures Corp. failed to include the local limit for mineral/petroleum oil. The City is required to identify all pollutants to be monitored as required at 40 CFR 403.8(f)(1)(iii)(B)(4). (Section 7.1, Identification of Pollutants to Be Monitored)	The permit issued to ChemStation of Northern California was revised on July 1, 2011 to include self-monitoring for surfactants. In addition, the permit issued to Value Products, Inc., also classified under 40 CFR 417.166 and 40 CFR 417.176 (Soap and Detergent Manufacturing), was revised on July 1, 2011 to include self-monitoring for surfactants. The permit issued to Applied Aerospace Structures Corp. was revised on July 1, 2011 to include self-monitoring for mineral/petroleum oil.

Requirements from March 16 & 17, 2011 Inspection	*The City of Stockton's Progress on Requirements*
ChemStation of Northern California is classified under 40 CFR 417.166 (Soap and Detergent Manufacturing). The federal regulations at 40 CFR 417.166 require that surfactants be monitored, even though there is no limitation. Because surfactants are not listed in the facility's permit as a parameter to be monitored, neither the City nor the facility has been sampling for the parameter. The City and the facility are required to monitor surfactants as required at 40 CFR 417.166. (Section 9.1, Compliance Sampling)	The permit issued to ChemStation of Northern California was revised on July 1, 2011 to include self-monitoring for surfactants at a frequency of once per six month period. The City will monitor the industry's compliance status with this requirement and will pursue enforcement measures if compliance is not achieved. In addition, the City has begun its own compliance monitoring for surfactants at this facility at a minimum frequency of once per year.
Applied Aerospace Structures Corp. did not monitor for a local limit (mineral/petroleum oil with a local limit of 100 milligrams per liter [mg/L]) because of an oversight in the permit requirements. Although the City performed compliance sampling for mineral/petroleum oil, the City is required to ensure that all required parameters are included in self-monitoring reports. (Section 9.4, Requesting, Receiving, and Analyzing Reports)	The permit issued to Applied Aerospace Structures Corp. was revised on July 1, 2011 to include self-monitoring for mineral/petroleum oil at a frequency of once per six month period. The City will monitor the industry's compliance status with this requirement and will pursue enforcement measures if compliance is not achieved.. In addition, the City has begun its own compliance monitoring for mineral/petroleum oil at this facility at a minimum frequency of once per year.

11 Focus Topics

Focus topics include Streamlining Rule compliance, pharmaceutical take back, mercury control at dentists, industrial laundries, performance measures, potential cleanups, and possible criminal violations. The following paragraphs discuss each of these topics.

11.1 Significant Industrial Users in Significant Noncompliance

The City has sufficient enforcement authority and procedures to place a SIU in SNC. According to the 2012 Annual Report, the following two industries were in SNC for the year:

- Diamond Walnut Growers (Oil and Grease Exceedances)
- Value Products (BOD Exceedances)

11.2 Streamlining Rule

The City is currently not in compliance with the EPA Streamlining Rule. The City's SUO was updated in 2009 for the Streamlining Rule. However, as summarized above, both the SUO and the ERP require additional changes for the Streamlining Rule.

11.3 Mercury From Dental Facilities

EPA guidance regarding discharges of mercury from dental facilities can be found at http://www.epa.gov/hg/ and http://water.epa.gov/scitech/wastetech/guide/dental/. The inspectors suggested a two tier voluntary program to become proactive with controlling mercury discharges. The first includes an industrial survey to locate and catalog all dental facilities within the City service area. Subsequently, it is suggested that the City conduct a survey to determine which dentists currently use amalgam separators.

11.4 Pharmaceutical Take Back

The intent of the pharmaceutical program is to promote a formal means to collect and dispose of all drugs and to avoid having them flushed into the City's wastewater collection system. The ultimate goal is to reduce pharmaceuticals that are being inadequately treated at the City's WWTP and eventually discharged to the environment without adequate treatment. The City promotes the annual Drug Enforcement Administration prescription drug take-back event and other take back programs through a monthly newsletter. Information as to what types of substances, how they were received or disposed of was not known by the POTW's staff.

11.5 Industrial Laundries

The City currently has two industrial laundries, one of which uses low phosphorus soaps. Information on the specific type of detergents used was not known by the POTW's staff. The laundries are in compliance with pretreatment regulations. It is suggested that during future annual inspections, the City discuss EPA suggestions with all industrial laundries. The City can find further information on EPA's Safer Detergents Stewardship Initiative at http://www.epa.gov/dfe/pubs/projects/formulat/sdsi.htm and http://www.cleangredients.org/home.

11.6 Performance Measures

Pretreatment performance measures are adequately monitored by the City. Corrosion is not known to be an issue in the City. The City currently has an extensive fat, oils, and grease (FOG) program to reduce sewer system overflows due to pipe blockages. In addition, the City cleans certain sewer lines annually. The FOG program has helped to reduce the number of overflows. In 2011, the City had 176 overflows which were reduced to 142 overflows in 2012. As stated above, the City has 53 SIUs and 7 zero discharging IUs.

11.7 Potential Cleanups and Possible Criminal Violations

There are no potential cleanups requiring public funding or any industrial facilities that appear to have knowingly violated a pretreatment or other environmental requirement.

CITY OF STOCKTON
Municipal Utilities Department

2012
PRETREATMENT PROGRAM ANNUAL REPORT

ATTACHMENT A

Stockton Municipal Code
Chapters 13.08 and 13.12

Chapter 13.08 WASTEWATER DISCHARGES AND TREATMENT WORKS

Article I. General Provisions

13.08.010 Purpose and policy.

A. This chapter sets uniform requirements for discharges into wastewater collection and treatment system and enables the City to comply with the administrative provisions of the Clean Water Act, the water quality requirements set by the Regional Water Quality Control Board and the applicable effluent limitations, national standards of performance, toxic and pretreatment effluent standards, and any other discharge criteria which are required or authorized by State or Federal law, and to derive the maximum public benefit by regulating the quality and quantity of wastewater discharged into those systems. This chapter provides for the setting of user charges and fees for the equitable distribution of costs to all users, the issuance of permits to certain users, authorizes monitoring and enforcement activities, and requires user reporting. Revenues derived from the application of this chapter shall be used to defray the City's cost of operating and maintaining an adequate wastewater collection and treatment system and to provide sufficient funds for capital outlay, bond service costs, capital improvements and depreciation.

B. The objectives of this chapter to comply with the Clean Water Act are:

1. To prevent the introduction of pollutants into the municipal wastewater system which will interfere with the operation of the system or contaminate the resulting sludge;

2. To prevent the introduction of pollutants into the municipal wastewater system which will pass through the system, inadequately treated, into receiving waters or the atmosphere or otherwise be incompatible with the system;

3. To improve the opportunity to recycle and reclaim wastewaters and sludges from the system; and

4. To provide for equitable distribution of the cost of the municipal wastewater system.

This chapter shall apply to the "City" and to persons outside the "City" who are, by contract or agreement with the "City," users of the "City" Publicly Owned Treatment Works (POTW). Except as otherwise provided herein, the Director of the Municipal Utilities Department shall administer, implement and enforce the provisions of this chapter. (Prior code § 7-088.1)

13.08.020 Reference to plumbing ordinance.

All plumbing ordinances shall remain in full force and effect, and nothing contained herein shall be construed as to waive any requirements contained therein. (Prior code § 7-088.2)

13.08.030 Delegation of powers.

A power or duty of any City officer hereunder may be exercised by a person authorized pursuant to law by said officer. (Prior code § 7-088.3)

13.08.040 Director to enforce.

The Director or designated representative shall enforce the provisions hereof and for such purposes shall

have the powers of a peace officer. Such powers shall not limit or otherwise affect the powers or duties of any other City officials. (Prior code § 7-088.4)

13.08.050 Minimum standards.

Sewage treatment plants and facilities shall be designated so as to protect underground and surface waters from pollution and prevent the creation of a nuisance or a menace to the public peace, health or safety. (Prior code § 7-088.5)

13.08.060 Time limits.

Any time limit provided for herein may be extended by consent of the officer concerned. (Prior code § 7-088.6)

13.08.070 City nonliability.

The provisions hereof shall not be construed to relieve from or lessen the responsibility of any person of the damages to life or property in the discharge of industrial wastes nor shall the City, nor any agent thereof, be held as assuming any liability by reason of performance of duties hereunder. (Prior code § 7-088.7)

13.08.080 Definitions.

Unless the context specifically indicates otherwise, the following terms and phrases, as used in this chapter, shall have the meanings hereinafter designated:

"Act" or "the Act" means The Federal Water Pollution Control Act, and the Clean Water Act, and any amendments thereto.

"Approval authority" means the State of California Central Valley Regional Water Quality Control Board (Region 5).

"Authorized representative of industrial user" mans an authorized representative of an industrial user may be:

1. A principal executive officer of at least the level of vice-president, if the industrial user is a corporation;

2. A general partner or proprietor if the industrial user is a partnership or proprietorship, respectively; or

3. A duly authorized representative of the individual designated above if such representative is responsible for the overall operation of the facilities from which the discharge originates.

"Beneficial uses" means uses of the waters of the State that may be protected against quality degradation include, but are not necessarily limited to: domestic, municipal, agricultural and industrial supply, power generation, recreation, aesthetic enjoyment, navigation and the preservation and enhancement of fish, wildlife and other aquatic resources or reserves, and other uses, both tangible or intangible as specified by Federal or State law.

"Biochemical oxygen demand (BOD)" means the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedures, as described in the current edition of Standard Methods for the Examination of Water and Wastewater.

"Blowdown" means to discharge recirculating water for the purpose of discharging materials contained in

the water which if allowed to build up further in the water would concentrate in amounts exceeding limits considered acceptable pursuant to best engineering practices.

"Building sewer" means a sewer conveying wastewater from the premises of the user to the POTW.

"Bypass" means the intentional diversion of waste streams from any portion of a user's treatment facility.

"Categorical standards" means standards promulgated pursuant to Sections 307(b) and (c) of the Clean Water Act.

"Cesspools" means lined or partially lined underground pits into which raw sanitary sewage is discharged.

"CFR" means Code of Federal Regulations.

"City" means the City or the Stockton City Council.

"Collection system" means the combined pipes, conduits, manholes, and other structures, either above or underground, used to convey sanitary wastewater or stormwater.

"Color" means the optical density at the visual wave length of the maximum absorption, relative to distilled water with 100 percent transmittance equivalent to zero (0.0) optical density.

"Composite sample" means the sample resulting from a combination of individual wastewater samples taken at selected intervals based on increments of flow or time.

"Cooling water" means the water discharged from any uses such as air conditioning, cooling or refrigeration, or to which the only pollutant added is heat.

"Commercial or industrial sewage" means any and all liquids and/or solids contained within liquids from industrial, commercial or institutional processes except liquid borne wastes derived from the ordinary living processes and of such character as to permit satisfactory disposal, without special treatment, into the sanitary sewage system.

"Compatible pollutant" means biochemical oxygen demand, suspended solids, pH and fecal coliform bacteria, plus additional pollutants identified in the City's National Pollution Discharge Elimination System (NPDES) permit.

"Contamination" means any impairment to the quality of the waters of the State by waste to a degree which creates a hazard to the public health through degradation or through the spread of disease. Contamination shall include any equivalent effect resulting from the disposal of wastewater, whether or not waters of the State are affected.

"Control authority" means the Director of the City Municipal Utilities Department or the Director's duly appointed representative.

"Critical user" means a user who is required to obtain an Industrial Waste Permit as defined in Section 13.08.310 of this chapter.

"Direct discharge" means the discharge of treated or untreated wastewater directly to the waters of the State.

"Director" means the Director of Municipal Utilities Department of the City.

"Discharge" means any measurable quantity of wastewater released to the public sewer.

"Domestic sewage" means wastewater which does not contain industrial or commercial process wastewater and which is discharged from a residential dwelling.

"Duplex" means a premises which is designated improved or used as a residence for two (2) families and no more, living separately in separate dwelling units, and which is not designed, improved or used for any other purpose.

"Effluent" means the liquid outflow of any facility designed to treat, convey or retain wastewater.

"Environmental Protection Agency (EPA)" means the United States Environmental Protection Agency, or, where appropriate, the term may also be used as a designation for the Administrator or other duly authorized official of said Agency.

"Excursion" means an unintentional and temporary incident in which any pollutant parameters of discharged wastewater exceeds the range set forth in this chapter.

"Existing source" means any source of discharge, the construction or operation of which commenced prior to the publication of proposed categorical pretreatment standards which will be applicable to such source if the standard is thereafter promulgated in accordance with Section 307 of the Act.

"Grab sample" means a sample which is taken from a waste stream on a one-time basis with no regard to the flow in the waste stream and without consideration of time or strength.

"Grease, oil, or fats" means any material that is Freon extractable or any like material.

"Hazardous waste" means any wastes identified and or defined as "hazardous wastes," "extremely hazardous wastes," or "acutely hazardous wastes" pursuant to any provisions of the California Health and Safety Code, the Resource Conservation and Recovery Act, and any other Federal, State, or local regulation, law, or ordinance.

"Health officer" means the officer of the San Joaquin County Health District, or an authorized representative.

"Holding tank waste" means any waste from holding tanks such as vessels, chemical toilets, campers, trailers, boats, septic tanks and vacuum pump tank trucks.

"Incompatible pollutant" means any pollutant which is not a compatible pollutant as defined in this chapter.

"Indirect discharge" means the discharge of pollutants to a POTW from any nondomestic source regulated under Section 307(b), (c), or (d) of the Federal Clean Water Act, including discharges of holding tank waste to the POTW.

"Industrial connection sewer" means the sewer between the property line and the public sewer through which liquid industrial waste is discharged.

"Industrial user" means any source of indirect discharge.

"Industrial waste" means either liquid or solid waste from any industrial or commercial process or activity.

"Inspector" means the authorized inspector or representative of the Director.

"Institutional owner" means any owner, public or private, operating a public or nonprofit school, church, hospital, lodge, club, fire department, library, memorial building or other public or nonprofit activity.

"Interference" means a discharge which alone or in conjunction with a discharge or discharges from other sources, inhibits or disrupts the POTW treatment processes, its operations, or its sludge process, use or disposal; and, therefore, causes a violation or increases the magnitude or duration of a violation of the POTW's NPDES permit, or prevents sewage sludge use or disposal as required by applicable Federal, State, or local statutes, regulations, or permits, including, but not limited to, permits issued under the Solid Waste Disposal Act (SWDA), Title II more commonly referred to as the Resource Conservation and Recovery Act (RCRA), State regulations contained in any State sludge management plan prepared pursuant to Subtitle D of the SWDA, the Clean Air Act, or the Toxic Substances Control Act. A user shall be deemed to have contributed to the POTW's permit violation whenever the user:

1. Discharges a daily pollutant loading in excess of that allowed by Federal, State, or local regulations or law or the user's permit, if any, with the POTW;

2. Discharges wastewater which substantially differs in nature or constituents from the user's average discharge; or

3. Discharges when the user knows or has reason to know that its discharge, alone or in conjunction with discharges from other sources, would result in a POTW permit violation or prevent sewage sludge processing, use, or disposal as required by the above-referenced authorities as they apply to the POTW's selected method of sludge management.

"Lower explosive limit (LEL)" means the minimum concentration of a combustible gas or vapor in air which will ignite if an ignition source is present.

"Mass emission rate" means the mass of materials discharged to the sewage system during a given time interval. Unless otherwise specified under Federal, State, or local laws or regulations or in the user's permit, if any, with the POTW, the mass emission rate shall mean pound per day of a particular constituent or combination of constituents.

"Medical waste" means isolated wastes, infectious agents, human blood and blood byproducts, pathological wastes, sharps, body parts, fomites, etiologic agents, contaminated bedding, surgical wastes, potentially contaminated laboratory wastes and dialysis wastes.

"Multiple-family dwelling unit" means a premises which is designed, improved or used as a residence for three (3) or more families, living separately in separate dwelling units, and which is not designed, improved or used for any other purpose.

"National Pollution Discharge Elimination System (NPDES)" means a permit issued by the Approval Authority pursuant to the Act which allows the POTW to discharge to the waters of the State.

"National pretreatment standards," "pretreatment standards" or "standards" means any regulation containing pollutant discharge limits promulgated by EPA under Sections 307 (b) and (c) of the Clean Water Act applicable to industrial users, including the general and specific prohibitions found in 40 CFR 403.5 and limits established by the City as set forth under Sections 13.08.250 and 13.08.260 of this chapter and any additional pretreatment limitations set forth in any permit issued by the City pursuant to this chapter.

"New source" means:

1. Any building, structure, facility or installation from which there is or may be a discharge of pollutants, the construction of which commenced after the publication of proposed pretreatment standards under Section 307 (c) of the Act which will be applicable to such source if such standards are thereafter promulgated in accordance with that Section, provided that:

a. The building, structure, facility, or installation is constructed at a site at which no other source is located; or

b. The building, structure, facility, or installation totally replaces the process or production equipment that causes the discharge of pollutants at an existing source; or

c. The production or wastewater generating processes of the building, structure, facility, or installation are substantially independent of an existing source at the same site. In determining whether these are substantially independent, factors such as the extent to which the new facility is integrated with the existing plant, and the extent to which the new facility is engaged in the same general type of activity as the existing source, should be considered.

2. Construction on a site at which an existing source is located results in a modification rather than a new source if the construction does not create a new building, structure, facility, or installation meeting the criteria of paragraph (1)(b) or (c) of this definition but otherwise alters, replaces, or adds to existing process or production equipment.

3. Construction of a new source as defined under this definition has commenced if the owner or

operator has:

a. Begun, or caused to begin, as part of a continuous on-site construction program:

i. Any placement, assembly, or installation facilities or equipment, or

ii. Significant site preparation work including clearing, excavation, or removal of existing buildings, structures, or facilities which is necessary for the placement, assembly, or installation of new source facilities or equipment; or

b. Entered into a binding contractual obligation for the purchase of facilities or equipment which are intended to be used in its operation within a reasonable time. Options to purchase or contracts which can be terminated or modified without substantial loss, and contracts for feasibility, engineering, and design studies do not constitute a contractual obligation under this definition.

"Nuisance" means anything which is injurious to health or is indecent or offensive to the senses or an obstruction to the free use of property so as to interfere with the comfort or enjoyment of life or property or which affects at the same time an entire community or neighborhood or any considerable number of persons, although the extent of the annoyance or damage inflicted upon individuals may be unequal.

"Other residential" means a building or group of buildings containing individual guest rooms for one or more guests, including, but not limited to, motels, boarding houses, hotels, rooming houses, dormitories, fraternities, sororities, etc.

"Pass through" means a discharge which exits the POTW in quantities or concentrations which, alone or with discharges from other sources, causes or contributes to a violation or increases the magnitude of the violation of the POTW's NPDES permit. A user shall be deemed to have contributed to the POTW's permit violation whenever the user:

1. Discharges a daily pollutant loading in excess of that allowed by Federal, State, or local law or pursuant to the user's contract, if any, with POTW;

2. Discharges wastewater which substantially differs in nature or constituents from the user's average discharge; or

3. Discharges when such user knows or has reason to know that its discharge, alone or in conjunction with discharges from other sources, would result in a permit violation; or

4. Discharges when such user knows or has reason to know that the POTW is violating the final effluent limitations of its permit and the user's discharge, alone or in conjunction with discharge or discharges from other sources, increases the magnitude or duration of the POTW's violation.

"Permittee" means the person, firm, or organization to whom a permit has been issued in accordance with this chapter.

"Person" means any individual, partnership, firm, company, corporation, association, joint stock company, trust, estate, governmental entity or any other legal entity, or their legal representatives, agents or assigns. The masculine gender shall include the feminine, and the singular shall include the plural where indicated by the context.

"pH" means the scale of 1 to 14 which measures acidity and alkalinity; 7.0 being neutral, 0-7 being acidic, and 7-14 being basic or alkaline. Technically, it is the logarithm (base 10) of the reciprocal of the concentration of hydrogen ions expressed in grams per liter of solution.

"Plumbing fixture" means any item which contains a collection device for wastewater connected directly or indirectly to the sanitary sewage system, including, but not limited to, a toilet, urinal, shower, tub, sink, basin, lavatory, floor drain, or automatic washing machine.

"Point of discharge" means the point at which any private sewer joins the public sewer lateral.

"Pollutant" means anything which degrades the quality of the environment. For water pollution, this may

include any substance, vector, or quality (such as heat) that degrades or alters the inherent quality of the water.

"Pollution" means an alteration of the quality of the waters of the State by waste to a degree which unreasonably affects such waters for beneficial use of the facilities which serve such beneficial uses. Pollution may include contamination.

"Premises" means a parcel of real estate including any improvements thereon which is determined by the City to be used for the purpose of receiving, using, and paying for a service provided by the City.

"Pretreatment" or "treatment" means the reduction of the amount of pollutants, the elimination of pollutants, or the alteration of the nature of pollutant properties in wastewater to a less harmful state prior to or in lieu of discharging or otherwise introducing such pollutants into a POTW. The reduction or alteration can be obtained by physical, chemical, or biological processes, or process changes or other means, except as prohibited in 40 CFR.

"Pretreatment requirements" means any substantive or procedural requirement related to pretreatment, other than a national pretreatment standard imposed on an industrial user.

"Publicly owned treatment works (POTW)" means a treatment works, as defined by the Act, which is owned by the City. This definition includes any devices and systems used in the storage, treatment, recycling, and reclamation of municipal sewage or industrial wastes of a liquid nature. It also includes sewers, pipes and other conveyances only if they convey wastewater to a POTW. The term also means the municipality, as defined in the Act, which has jurisdiction over the indirect discharges to and the discharges from such a treatment works.

"Public corporation" means the City or any political subdivision of the City, County, district, the State, or the United States of America, or any department or agency thereof. The singular shall include the plural.

"Public sewer" means a sewer owned and operated by the City or other public agency tributary to a treatment works operated by the City and dedicated to public use.

"Radioactive material" means any material containing chemical elements which spontaneously change their atomic structure with the emission of atomic energy.

"Reclaimed water" means water which, as a result of treatment of waste, is suitable for direct beneficial use or a controlled use that would not otherwise occur.

"Sanitary sewer" means a main line sewer for the acceptance of any sewage or liquid waste except stormwater, surface water, groundwater, roof runoff or other unpolluted water.

"Sewage" means water or a combination of liquid or water containing human waste conducted away from residences, business buildings, and institutions which is known as domestic or sanitary, together with the liquid or water carried waste resulting from a manufacturing process employed in commercial or industrial establishments including washing, cleaning, or drain water from such processes which is known as industrial waste.

"Sewerage system" means all sewer treatment plants and all other facilities owned and operated by the City for carrying, collecting, treating, and disposing of sanitary sewage and industrial waste.

Shall or May. "Shall" is mandatory; "may" is permissive.

"Significant industrial user" means any categorical or other industrial user which:

1. Discharges 25,000 gallons or more of process wastewater per day, excluding sanitary, noncontact cooling, and boiler blowdown wastewater; or

2. Contributes a process wastewater which makes up five (5) percent or more of the dry weather average hydraulic or organic capacity of the POTW; or

3. Is designated as such by the control authority on the basis that it has a reasonable potential for adversely affecting the POTW's operation or for violating a pretreatment standard or requirement.

"Significant noncompliance" means as defined by 40 CFR 403.8(f)(2)(vii).

"Single-family dwelling unit (SFDU)" means a premises which is designed, improved, or used as a residence for one (1) family only, and which is not designed, improved, or used for any other purpose.

"Sludge" means any solid, semisolid, or liquid decant, subnate, or supersubnate produced by any manufacturing process, utility service, or pretreatment facility operation.

"Slug load" means any discharge at a flow rate or concentration which could violate the discharge standards set forth in Section 13.08.100 of this chapter or any discharge of a nonroutine episodic nature including, but not limited to, an accidental spill of a noncustomary batch disorder.

"Standard buffer" means a solution prepared with a known pH, and, when compared with the National Bureau of Standard's Reference Material, has a tolerance of plus or minus 0.02 pH at 25 degrees Celsius.

"Standard Industrial Classification (SIC)" means a standardized classification of all industrial users according to their primary processes, products or services pursuant to the current edition of the Standard Industrial Classification Manual issued by the Executive Office of the President of the United States, Office of Management and Budget.

"State" means State of California.

"Stored liquid wastes" means liquid wastes that have been collected and held in tanks or containers. Wastes of this category include but are not limited to:

1. Septic tank pumping;
2. Chemical toilet wastes;
3. Trailer, camper, housecar or other recreational vehicle wastes;
4. Cesspool pumping; and/or
5. Leach pit pumping.

"Storm drainage system" means all conduits, pumping plants, collection facilities, and other appurtenances owned and operated by the City for carrying, collecting, pumping and disposing of stormwater, surface water, groundwater, roof runoff or other unpolluted water.

"Stormwater" means water to which no pollutant has been added, either intentionally or accidentally, other than street wash, surface water, rain water runoff, or drainage, but excludes sewage, commercial and industrial waste. One (1) pass cooling water may be considered as stormwater.

"Total suspended solids (TSS)" means as defined in Section 209 of Standard Methods for the Examination of Water and Wastewater, prepared and published jointly by the American Public Health Association, American Water Works Association, and Water Pollution Control Federation, Washington, D.C.

"Total toxic organics (TTO)" means the sum of the masses of concentrations of specific toxic organic compounds in the wastewater discharge at a concentration greater than 0.01 mg/l as referenced in 40 CFR, Part 413.02.

"Toxic pollutant" means any pollutant or combination of pollutants listed as toxic in regulations promulgated by the Administrator of the Environmental Protection Agency under the provision of Clean Water Act Section 307(a) or other acts.

"Unpolluted water" means water to which no pollutant has been added, either intentionally or accidentally, which would render such water unacceptable to the agency having jurisdiction thereof for disposal to storm or natural drainages or directly to surface waters.

"User" means any person who contributes, causes, or permits the contribution of wastewater into the City's POTW.

"User charge system" means a method for assessing fees for operations and maintenance of the POTW as

set forth in 40 CFR, Part 35.

"User classification" means a classification of user based on the current edition of the SIC Manual.

"Waste" means and includes sewage and any and all other waste substances, liquid, solid, gaseous, or radioactive, associated with human habitation, or of human or animal origin, or from any producing, manufacturing, or processing operation of whatever nature, including such waste placed within containers of whatever nature prior to, and for purposes of disposal.

"Wastewater" means the liquid portion of industrial or domestic wastes from dwellings, commercial buildings, industrial facilities, and institutions, which may be present, whether treated or untreated, which is contributed into or permitted to enter the POTW.

"Wastewater constituents and characteristics" means the individual chemical, physical, bacteriological and radiological parameters, including volume and flow rate, and such other parameters that serve to define, classify or measure the contents, quality, quantity and strength of wastewater.

"Wastewater discharge permit" means as set forth in Section 13.08.310 of this chapter.

"Waters of the State" means all streams, lakes, ponds, marshes, watercourses, waterways, wells, springs, reservoirs, aquifers, irrigation systems, drainage systems and all other bodies or accumulations of water, surface or underground, natural or artificial, public or private, which are contained within, flow through, or border upon the State or any portion thereof. (Prior code § 7-088.8)

13.08.090 Abbreviations.

The following abbreviations shall have the designated meanings:

BOD	-	Biochemical oxygen demand
CFR	-	Code of Federal Regulations
COD	-	Chemical oxygen demand
EPA	-	Environmental Protection Agency
l	-	Liter
mg	-	Milligrams
mg/l	-	Milligrams per liter
NPDES	-	National Pollutant Discharge Elimination System
pH	-	Hydrogen ion concentration
POTW	-	Publicly owned treatment works
SFDU	-	Single-family dwelling unit
SIC	-	Standard industrial classification
SWDA	-	Solids Waste Disposal Act, 42 USC 6901, et seq.
TOC	-	Total organic carbon
TSS	-	Total suspended solids
TTO	-	Total toxic organics
USC	-	United States Code

(Prior code § 7-088.9)

Article II. Regulations

13.08.100 General discharge prohibition.

A. The rules and regulations set forth in this chapter shall be in addition to the Uniform Codes title (Title 15) of the Stockton Municipal Code and in no way diminish the authority set forth therein.

B. No user shall contribute or cause to be contributed directly or indirectly, any pollutant or wastewater which will interfere with the operation or performance of the POTW. These general provisions apply to all such users of the POTW whether or not the user is subject to National Categorical Pretreatment Standards or any other national, State or local pretreatment standards or requirements.

C. For the purpose of verifying compliance with this section, the Director and/or the Director's designated representative may use a single grab sample collected from any tank, treatment unit, sink, holding tank, trench, sump, process or other device which may discharge waste to the sanitary sewer. The above sample may be collected at the source of discharge prior to the dilution with any other streams.

D. A user may not contribute the following substances to any POTW:

1. Pollutants introduced into POTWs by a nondomestic source shall not pass through the POTW or interfere with the operation or performance of the POTW. These general prohibitions and the specified prohibitions in subsection (D)(2) of this section apply to all nondomestic sources introducing pollutants into a POTW whether or not the source is subject to other national pretreatment standards or any national, State, or local pretreatment requirements.

2. Any liquids, solids or gases which by reason of their nature or quantity within the waste stream are, or may be, sufficient, either alone or by interaction with other substances, to cause fire or explosion, cause the waste stream to have a closed cup flashpoint of less than 140 degrees F or 60 degrees C when tested following the procedures and methods specified in 40 CFR 261.21, or may be injurious in any other way to the POTW or to the operation of the POTW. At no time shall two (2) successive readings on an explosion hazard meter at the point of discharge into the system (or at any point in the system) be more than five (5) percent nor any single reading more than 10 percent of the lowest explosive limit (LEL) of the meter. Prohibited materials include, but are not limited to, gasoline, kerosene, naphtha, benzene, toluene, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, perchlorates, bromates, carbides, hydrides, and sulfides.

3. Solids or viscous substances which may cause obstruction to the flow in a sewer or other interference with the operation of the wastewater treatment facilities.

4. Any wastewater having a pH less than 5.0, more than 10.0, or in excess of the limitations specified in any more stringent permit or regulation or wastewater the user knows or has reason to know has any other corrosive property capable of causing damage or hazard to structures, equipment and/or personnel of the POTW. Excursions in pH greater than 10.0 but less than 12.5 may be allowed providing the duration of these excursions does not exceed:

a. A total of 60 minutes continuously for any individual excursion.

b. An aggregate of no more than seven (7) hours and 26 minutes in any calendar month.

5. Any waste defined as hazardous by any definition set forth in any Federal, State, or local regulation, statute, or ordinance, unless such waste has been delisted or decertified by the agency having authority to do so or a variance has been granted by the appropriate Federal, State, or local agency, including provisions for discharge to the City sewer, which variance must be approved by the Director.

6. Any wastewater containing toxic pollutants in sufficient quantity, either singly or by interaction with other pollutants, to injure or interfere with any wastewater treatment process, constitute a hazard to humans or animals, create a toxic effect in the receiving waters of the POTW, or to exceed the limitation set forth in a categorical pretreatment standard. A toxic pollutant shall include, but not be limited to, any pollutant identified pursuant to the Act.

7. Any noxious or malodorous liquids, gases, or solids which, either singly or by interaction with other wastes, are sufficient to create a public nuisance or hazard to life or health, or is sufficient to prevent entry into

the sewerage system for maintenance and repair.

8. Any substance which may cause the POTW's effluent or any other product of the POTW such as residues, sludges or scums, to be unsuitable for reclamation and reuse or to interfere with the reclamation process. In no case shall a substance discharged to the POTW cause the POTW to be in noncompliance with sludge use or disposal criteria, guidelines or regulations developed under the Act; any criteria, guidelines, or regulations affecting sludge use or disposal developed pursuant to the Solid Waste Disposal Act, or State criteria applicable to the sludge management method being used.

9. Any substance which will cause the POTW to violate its NPDES and/or State disposal system permit or the receiving water quality standards.

10. Any wastewater with objectionable color not removed in the treatment process.

11. Any wastewater with heat in amounts which will inhibit biological activity in the POTW resulting in interference, but in no case heat in such quantities that the temperature at the POTW exceeds 40 degrees C (104 degrees F) or exceeds 60 degrees C (140 degrees F) at the point of discharge.

12. Any pollutants, including oxygen-demanding pollutants (BOD, etc.), released at a flow rate and/or pollutant concentration which a user knows or has reason to know will cause interference to the POTW unless the user was in compliance with local limits applicable to its discharge or, if no local limits for parameters discharged exist, can demonstrate that its discharge directly prior to and during the instance of pass through or interference, did not change substantially from its prior discharges when the POTW was in compliance with its NPDES permit. In no case shall a sudden unexpected discharge have a flow rate or contain concentrations or qualities of pollutants that exceed, for any period longer than 15 minutes, more than five (5) times the average 24-hour concentration, quantities, or flow during normal operation.

13. Any wastewater containing radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by applicable State or Federal regulations.

14. Any wastewater which causes a hazard to human life or the environment or creates a public nuisance.

15. Unpolluted water, including, but not limited to, irrigation, condensing cooling water, blow down from cooling towers, or evaporative coolers shall not be discharged through direct or indirect connection to a sanitary sewer unless approved by the City.

16. Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through.

17. Any trucked or hauled pollutants, except at discharge points designated by the POTW.

E. Wastes prohibited by this section shall not be processed or stored in such a manner that they could be discharged to the POTW. All floor drains located in process or materials storage areas must discharge to the industrial user's pretreatment facility before connecting to the POTW.

F. The City may approve the temporary discharge of such water only when no reasonable alternate method of disposal is available.

G. When the Director determines that a user(s) is contributing to the POTW any of the above-enumerated substances in such amounts as to interfere with the operation of the POTW, the Director may take such action as deemed necessary to correct the interference with the POTW. (Prior code § 7-089.1)

13.08.110 Quantity of discharge.

The quantity of waste to be discharged from an industry shall be limited to the capacity of the existing public sewerage facilities to handle the flow. Arrangements for additional capacity required shall be negotiated before any such discharge is authorized. (Prior code § 7-089.2)

13.08.120 Limitations on point of discharge.

A. No person shall discharge any substance prohibited in Section 13.08.100 of this chapter or any other substance, including, but not limited to, domestic sewage in excess of 50 gallons directly into a maintenance hole or other opening in a public sewer or an approved building sewer, unless a written application for such discharge has been filed with the City, the applicable user charges and fees have been paid, and the City has, in its discretion, issued a permit or letter of acceptance authorizing such direct discharges for the purposes and for the substances specified in the permit/letter of acceptance application.

B. It is unlawful for any applicant for a permit pursuant to this section to knowingly submit an application containing false or inaccurate information. Such submission of a false or inaccurate application shall result in revocation of the permit. In addition, the City Attorney may file criminal charges against any such discharger or pursue any other remedy available pursuant to this chapter or otherwise at law. (Prior code § 7-089.3)

13.08.130 Discharges to waters of the State.

Any discharges to the waters of the State which are not indirect discharges to the POTW, shall meet all applicable State and Federal regulations governing these discharges. (Prior code § 7-089.4)

13.08.140 Excessive discharge.

No user shall increase the use of process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in the Federal Categorical Pretreatment Standards, or in any other pollutant-specific limitation developed by the City or State. (Prior code § 7-089.5)

13.08.150 Accidental and slug load discharges prevention and notification.

A. Detailed Plans.

1. Each user shall provide protection from accidental and slug load discharges of prohibited materials or other substances regulated by this chapter. Facilities to prevent accidental and slug load discharges of prohibited materials shall be provided and maintained at the owner's or user's own cost and expense. Detailed plans showing facilities and operating procedures to provide protection from any potential problems, including accidental discharges and slug loading, shall be submitted to the City for review and shall be approved by the City before construction of the facility. The plan shall outline the user's discharge practices (including nonroutine batch discharges), describe stored chemicals, and contain procedures for immediately notifying the POTW and preventing adverse impacts from any such discharges.

2. No user who commences contribution to the POTW after the effective date of the ordinance codified in this chapter shall be permitted to introduce pollutants into the system until accidental discharge procedures and slug load plans have been approved by the City. Review and approval of such plans and operating procedures shall not relieve the user from the responsibility to modify the user's facility as necessary to meet the requirements of this chapter. In the case of an accidental or slug load discharge, it is the responsibility of the user to immediately notify the POTW of the incident. Notification shall identify the location of the discharge, the type, concentration, and volume of waste, and corrective actions taken and/or anticipated.

B. Written Notice. Within five (5) days following an accidental or slug load discharge, the user shall submit to the Municipal Utilities Department a detailed written report describing the cause of the discharge and

the measures to be taken by the user to prevent similar future occurrences. Such notification shall not relieve the user of any expense, loss, damage or other liability which may be incurred as a result of damage to the POTW, fish kills, or any other damage to person or property; nor shall such notification relieve the user of any fines, civil penalties, or other liabilities which may be imposed by this chapter or other applicable law.

C. Notice to Employees. A notice shall be posted on the user's bulletin board or other prominent place advising employees who to call in the event of an accidental or slug load discharge. Employers shall insure that all employees who may cause such an accidental or slug load discharge to occur are advised of emergency notification procedures. (Prior code § 7-089.6)

13.08.160 Holding tank waste.

A user proposing to discharge holding tank waste into a sanitary sewer must secure prior written approval. Unless allowed by the City under the terms and conditions of the approval, a separate written approval must be secured for each separate discharge. Application to the City will State the specific location of the discharge, the time of day the discharge is to occur, the volume of the discharge and the wastewater constituents and characteristics of the discharge. If approval is granted for the discharge of such waste into a sanitary sewer, the user shall pay the applicable user charges and fees and shall meet such other conditions as required by the City. (Prior code § 7-089.7)

13.08.170 Wash rack waste.

No person owning or operating a private or public automobile wash rack shall permit any water or effluent therefrom to flow into any public sewer unless such wash rack is roofed over and is equipped with a sand-oil interceptor approved by the Director of Municipal Utilities or his or her representative. (Prior code § 7-089.8)

13.08.180 Draining of swimming pools.

Water from swimming pools whether public or private shall not be discharged into a storm sewer or gutter. All swimming pool water must be discharged into a sanitary sewer. (Prior code § 7-089.9)

13.08.190 Conditions of laterals and sewer connections.

All persons shall keep their sewer laterals or sewer connections in good order at their own expense and shall be liable for any damages which may result from their failure to do so. (Prior code § 7-089.10)

13.08.200 Connection to sanitary sewerage system.

There shall be a separate connection to the sanitary sewerage system for each premises served except when otherwise authorized by the Director. (Prior code § 7-089.11)

13.08.210 Encroachment permit and compliance to Plumbing Code.

Connection to the sanitary sewerage system shall be made only after securing an encroachment permit from the Department of Public Works. Permits for sanitary sewer lines constructed on private property shall be obtained in accordance with the provisions of the Plumbing Code of the City. (Prior code § 7-089.12)

13.08.220 Users outside of City boundaries.

A. All users of the POTW outside of City boundaries shall comply with the regulations set forth in this chapter, and the regulations shall apply equally to all of the users.

B. The plumbing upon the property and in all buildings that are constructed that are to be connected to the City sewerage system shall comply with the Plumbing Code of the City. The owner or lessee of such property shall make application to connect as hereinbefore provided, obtain a plumbing permit from the Community Development Department, Building Division of the City and pay the inspection fee required by said Plumbing Code. (Prior code § 7-089.13)

13.08.230 National Categorical Pretreatment Standards.

All users affected by the National Categorical Pretreatment Standards shall comply with the standards as set forth in 40 CFR Chapter 1, Subchapter N, chapters 405-471. However, with regard to those categorical standards where the POTW has adopted limits more stringent than those contained in the National Categorical Pretreatment Standards, the specific prohibitions or limits on pollutants or pollutant parameters as developed by a POTW in accordance with the general discharge prohibitions as set forth in Section 13.08.100 of this chapter shall be deemed the applicable pretreatment standards. The Director shall notify all affected users of the applicable reporting requirements. (Prior code § 7-089.14)

13.08.240 Modification of National Categorical Pretreatment Standards.

Where the City's wastewater treatment system achieves consistent removal of pollutants limited by Federal pretreatment standards, the City may apply to the approval authority for modification of specific limits in the Federal pretreatment standards. (Prior code § 7-089.15)

13.08.250 Specific pollutant limitations.

No person shall discharge wastewater containing in excess of:

6.0 mg/l arsenic

2.0 mg/l cadmium

6.0 mg/l copper

4.0 mg/l cyanide, total

2.0 mg/l lead

0.1 mg/l mercury

5.0 mg/l nickel

1.5 mg/l silver

5.0 mg/l chromium, total

7.0 mg/l zinc

200 mg/l animal/vegetable oil

100 mg/l mineral/petroleum oil

5.0-10.0 pH

150 degrees F* temperature

* (At point of discharge)

(Prior code § 7-089.16)

13.08.260 State requirements.

State requirements and limitations on discharges shall apply in any case where they are more stringent than Federal requirements and limitations or those in this chapter. (Prior code § 7-089.17)

13.08.270 City's right of revision.

The City reserves the right to establish by ordinance more stringent limitations or requirements on discharges to the wastewater disposal system if deemed necessary to comply with the objectives presented in this chapter. (Prior code § 7-089.18)

13.08.290 Discharge of petroleum contaminated groundwater.

It is unlawful for any person to discharge petroleum contaminated groundwater to the sanitary sewer collection system of the City, except as provided for hereunder, and in accordance with the following conditions and restrictions:

A. The maximum allowable concentration of total petroleum hydrocarbons in the discharge entering the sanitary sewer shall be 100 mg/l. Compliance with this provision will be enforced by periodic self-monitoring and laboratory analysis by the discharger for total petroleum hydrocarbons over the course of the discharge. Sample collection, frequency of sampling, point of discharge, volumetric or seasonal restrictions, or other discharge conditions and limitations will be as specified in the discharge permit which shall be issued by the Director of Municipal Utilities.

B. Discharges shall not exceed a concentration of 4.57 mg/l of total toxic organics (as currently listed by the Environmental Protection Agency for categorical electroplating dischargers, 40 CFR 413.02 (i)). Compliance with this provision will be enforced by grab samples obtained no less than once during the permit term. Analytical procedures will be in accordance with EPA rules in Guidelines Establishing Test Procedures for the Analysis of Pollutants: Final Rule (40 CFR Part 136) Methods 624 and 625. In addition, analysis by the permittee for benzene, toluene, xylene and ethylbenzene (BTXE) will be required at frequencies coinciding with the sampling and analysis for total petroleum hydrocarbons.

C. The discharger shall provide a recording lower explosive limit (LEL) monitor. Installation will be at a location in the discharge system prior to entry into the sanitary sewer. The monitor is to be calibrated in a manner that indicates the percentage of LEL of gasoline and shall be connected to the facility in such a way that an alarm will be triggered at 10 percent of the LEL of gasoline and the entire facility will be automatically shut down. The monitor shall be calibrated and maintained with a quality assurance program satisfactory to the Director of Municipal Utilities. If, after a period of evaluation, it is determined by the Director or a designated representative that continuous recording is no longer needed, the provision of a recorder may be deleted.

D. The Director or a designated representative shall have access to the facility shutdown switch as well as copies of keys to all locked enclosures at the site and shall be provided access to the facility for purposes of inspection.

E. The discharger shall provide flow monitoring and recording equipment and sampling taps or equipment in order to comply with these rules.

F. The discharger shall insure that all pretreatment facilities including, but not limited to, flow measuring and LEL monitors, are maintained in proper working order at all times. All measuring devices are to be calibrated for accuracy at a frequency as prescribed by the manufacturer of the monitoring device by a

qualified technician approved by the Director.

G. In the event a required flow measuring device is found to be inoperative or to provide unreliable information as determined by the Director or a designated representative, maximum volumes will be used for billing purposes until such time as the equipment is restored to proper working order and approved by the Department of Municipal Utilities.

H. All costs incurred by the Municipal Utilities Department for administration and treatment of the discharge are to be paid for by the discharger according to the rates specified for the commercial category in the schedule of wastewater service fees in effect at the time of the discharge.

I. Connection fees for dischargers will be assessed annually in accordance with the rate resolution of the Stockton City Council for the commercial user category, amortized over a 30-year period.

J. Any costs incurred by the Municipal Utilities Department for sampling and analysis of the discharge in accordance with the City's pretreatment program will be paid for by the discharger.

K. All sampling procedures, schedules, and handling provisions must be satisfactory to the Director of Municipal Utilities and all analyses must be conducted by a laboratory certified by the California Department of Health Services for the specific analysis conducted. (Prior code § 7-089.20)

Article III. Administration

13.08.300 Establishing rules and regulations.

The City Manager is hereby authorized to establish any rules and regulations necessary for the enforcement of this article. He or she may delegate and appoint members of the City Administration to act on his or her behalf. (Prior code § 7-090.1)

13.08.310 Wastewater discharge permits.

A. Mandatory Permit. All users proposing to connect to or discharge into a sanitary sewer must obtain a wastewater discharge permit before connecting to or discharging into a sanitary sewer.

Any user who desires to increase or change the nature or constituents of its discharge to its existing connection must notify the control authority and apply for a change to its permit conditions 90 days prior to the effective date of the anticipated change, or at such other time as prescribed by the Director. The user shall not increase or change the flow as indicated in this subsection before receiving authorization to do so from the control authority. Failure to report and obtain prior approval for said increase or change may result in the City's terminating the existing permit, assessing administrative penalties, or the City availing itself of any other remedy authorized by this chapter.

B. Optional Permits. The Director may issue a wastewater permit to any user, upon application, in accordance with the terms of this section in the following categories:

1. A user who requires the user charges and fees to be based on an estimation of wastewater flow.

2. Any user whose wastewater strength is less than normal range for the user classification to which it is assigned because of pretreatment, process changes, or other reasons.

C. Permit Application. Users required to obtain a Wastewater Permit shall complete and file with the City an application in the form prescribed by the City. Proposed new users or existing users desiring to increase or change their existing flow (as indicated in subsection A of this section of this chapter) shall apply for a permit or change in existing permit conditions 90 days prior to the anticipated connection date or date of increase or change, or at such other time as prescribed by the Director. Failure to file an application in accordance with this

section may result in a denial of the user's application, termination of existing connections or permits, the assessment of administrative penalties by the City, or the City otherwise pursuing legal, equitable, or injunctive relief as authorized by this chapter or otherwise available under California or Federal law.

D. Permit Duration. Permits shall be issued for a specified time period, not to exceed five (5) years. A permit may be issued for a period less than five (5) years or may be stated to expire on a specific date. The user shall apply for permit reissuance a minimum of 90 days prior to the expiration of the user's existing permit. The terms and conditions of the permit may be subject to modification by the City during the term of the permit as limitations or requirements are identified or other just cause exists. The user shall be informed of any proposed changes in its permit at least 30 days prior to the effective date for the required change. Any changes or new conditions in the permit shall include a reasonable time schedule for compliance.

E. Permit Transfer. Wastewater discharge permits are issued to a specific user for a specific operation. A wastewater discharge permit shall not be reassigned, transferred, or sold to a new owner, new user, different premises, or a new or changed operation, and shall not extend to an increase in usage, discharge, or operations by an existing user without the approval of the City. Any succeeding owner or user shall apply for a wastewater discharge permit 30 days prior to change of ownership and shall also comply with the terms and conditions of the existing permit until a new permit is issued.

F. Users (including Significant Industrial Users). In addition to the provisions set forth above, regarding the duration and transferability of permits, permits issued to users shall specify, in detail, the requirements for self-monitoring, sampling, reporting, notification, and record keeping; the applicable Federal, State, and local effluent limitations; and the administrative, civil, and criminal penalties which may be pursued in cases of noncompliance. (Prior code § 7-090.2)

13.08.320 Reporting and monitoring requirements.

A. The Director shall require users to submit periodic monitoring and compliance reports. Such reports may consist of baseline monitoring reports, compliance schedule reports, reports on compliance with categorical deadlines, periodic reports from categorical users, and periodic compliance reports from significant noncategorical users, and, at a minimum, shall comply with the reporting requirements set forth in 40 CFR 403.12. In addition, users, industrial users, or significant industrial users subject to national pretreatment standards shall comply with all requirements governing those standards.

B. All reports and documentation required to be submitted pursuant to this section shall be signed by the appropriate officials and representatives of the industrial user or significant noncategorical user and shall contain a certification statement as that required by 40 CFR 403.6(a)(2)(ii) which shall attest to the integrity of the analytical data submitted. Furthermore, all such users must keep records of monitoring activities and results for a minimum of three (3) years, or longer in the case of unresolved litigation or when requested to do so by the approval authority.

C. Industrial users shall notify the POTW prior to releasing any discharge which differs from the terms of the permit in measurable amounts with regard to the volume or character of pollutants contained in the discharge, including hazardous wastes. In addition, all users shall immediately notify the POTW and the appropriate local, State, and Federal agencies of any discharge which would be considered a hazardous waste if disposed of in a different manner. Any verbal notice given to the POTW as required by this chapter shall be followed by a written report of the particulars of each such incident within 15 days after the user becomes aware or should have become aware of the discharge. In addition, all industrial users shall promptly notify the POTW in advance of any substantial change in the volume or character of pollutants in their discharge.

D. Where sampling by a user, conducted pursuant to this section, indicates a violation, the user shall notify the POTW within 24 hours of becoming aware of the violation. Within 30 days of discovering the violation, the user shall resample and submit a report of the results of the resampling to the POTW. The

industrial user is not required to resample if the POTW performs monitoring at the industrial user's facility at least once a month or if the POTW performs sampling between the industrial user's initial sampling and when the industrial user receives the results of the initial sampling. (Prior code § 7-090.3)

13.08.330 Monitoring facilities.

A. The City may require, at the user's expense, monitoring facilities to allow inspection, sampling, and flow measurement of the building sewer and/or internal drainage systems. The monitoring facility should normally be situated on the user's premises, but the City may, when such a location would be impractical or cause undue hardship on the user, allow the facility to be constructed in the public street or sidewalk area and located so that it may not be obstructed by landscaping or parked vehicles.

B. There shall be ample room in or near such sampling manhole or facility to allow accurate sampling and preparation of samples for analysis. The facility, sampling and measuring equipment shall be maintained at all times in a safe and proper operating condition at the expense of the user.

C. Whether constructed on public or private property, the sampling and monitoring facilities shall be provided in accordance with the City's requirements and all applicable local construction standards and specifications. Construction shall be completed within 90 days following written notification by the City, unless otherwise allowed. (Prior code § 7-090.4)

13.08.340 Inspection, sampling, and photographs.

A. The City shall inspect the facilities of any user to ascertain whether the purpose of this chapter is being met and all requirements are being complied with. Persons or occupants of premises where wastewater is created or discharged shall allow the City or the City's representative ready access at all reasonable times to all parts of the premises for the purposes of inspection, sampling, examining records, or performing any of their duties. The City, approval authority (where the State is the approval authority), and EPA shall have the right to set up on the user's property such devices as are necessary to conduct sampling, inspection, compliance monitoring, and/or metering operations.

B. Where a user has security measures in force which would require proper identification and clearance before entry into its premises, the user shall make necessary arrangements with its security guards so that upon presentation of suitable identification, City inspectors, approval authority, and EPA will be permitted to enter without delay for the purpose of performing their specific responsibilities.

C. City inspectors may, in the course of their inspection, photograph any condition on the premises thought by the Inspector to possibly constitute a violation of this chapter or any other local, State, or Federal law and any mechanism, apparatus, means or method thought to contribute to or facilitate the suspected violation, including, but not limited to, the waste treatment drains and pipes, monitoring equipment waste disposal areas, chemical storage tanks, and/or waste container labels.

D. Upon the written requests of the EPA or State or local governmental agencies charged with regulatory jurisdiction, all photographs taken in accordance with this chapter shall be made available to such agencies without reservations. Such photographs may also, upon written request only, be made available to the public or other nongovernmental agencies unless the user specifically requests and is able to demonstrate to the satisfaction of the City that the photographs should be considered confidential in that, if released, they would divulge information, processes, or methods of production entitled to protection as trade secrets of the user. Photographs accepted by the City as confidential shall not be transmitted to any nongovernmental agency or to the general public by the City until 10 days after notification is given to the user. (Prior code § 7-090.5)

13.08.350 Pretreatment.

A. All users affected by the National Categorical Pretreatment Standards shall provide necessary wastewater pretreatment in accordance with the general pretreatment regulations contained in 40 CFR 403 and as indicated elsewhere in this chapter and shall achieve compliance with all Federal categorical pretreatment standards within the time limitations as specified by the Federal pretreatment regulations. Users shall conduct wastewater sampling and analysis using the methods and procedures contained in 40 CFR 136. In addition, all reports required to be submitted in accordance with 40 CFR 403.12(b)(6) or elsewhere in this chapter, including, but not limited to, baseline and other monitoring reports, 90-day compliance reports, and reports pertaining to sampling performed pursuant to this chapter shall contain a certification statement from a qualified professional which indicates that the user is in compliance with applicable categorical standards on a consistent basis and shall specify whether any pretreatment operation and maintenance is required to obtain compliance. The statement shall be signed by an authorized representative of the user thereby attesting to the accuracy of all information contained in the statement. All records relating to compliance with pretreatment standards shall be made available upon request to officials of the EPA, control authority, or appropriate State agencies or other governmental agencies having regulatory jurisdiction.

B. Facilities required to pretreat wastewater to a level acceptable to the City shall be provided, operated, and maintained at the user's expense. Detailed plans showing the pretreatment facilities and operating procedures shall be submitted to the City for review, and shall be accepted by the City before construction of the facility. The review of such plans and operating procedures shall in no way relieve the user from the responsibility of modifying the facility as necessary to produce an effluent acceptable to the City under the provisions of this chapter. Any subsequent changes in the pretreatment facilities or method of operation shall be reported to and accepted by the City prior to the user's initiation of such changes. The quality of the discharge required in this chapter shall be maintained at all times. Standby facilities may be required to attain this quality. (Prior code § 7-090.6)

13.08.360 Confidential Information.

A. Information and data on a user obtained from reports, questionnaires, permit applications, permits and monitoring programs, and from inspections shall be made available to the EPA, State agencies, and other local governmental agencies without restrictions. Such information and data shall also be made available to the public or other nongovernmental agencies without restriction unless the user specifically requests and is able to demonstrate to the satisfaction of the City that the release of such information would divulge information, processes, or methods of production entitled to protection as trade secrets of the user. However, in no event shall wastewater constituents and characteristics be recognized as confidential information.

B. Information accepted by the City as confidential shall not be transmitted to any nongovernmental agency or to the general public by the City until or unless the request is received in writing and until 10 days after notification of the request has been given to the user by the City. Furthermore, when requested by the person furnishing a report for uses related to this chapter, the National Pollutant Discharge Elimination System (NPDES) Permit, State Disposal System Permit and/or Pretreatment Programs, the portions of a report which might disclose trade secrets or secret processes shall not be made available when requested by the public or nongovernmental agencies. However, such portions of such reports shall be made available, without reservation, to the EPA, State agencies, or local governmental agencies upon the written request of such agency.

C. In accordance with 40 CFR 403.8(f)(2)(vii), the City shall, at least annually, publish a list of industrial users which were in significant noncompliance with applicable pretreatment requirements during the previous 12 months in the largest daily newspaper published in the municipality where the POTW is located. (Prior code § 7-090.7)

13.08.370 Special agreements.

Special agreements and arrangements between the City and any persons or agencies may be established when, in the opinion of the City, unusual or extraordinary circumstances compel special terms and conditions. However, in no event shall any such agreement be interpreted so as to authorize the violation or waiver of applicable pretreatment standards or requirements. (Prior code § 7-090.8)

Article IV. Enforcement

13.08.380 Suspension of permit.

A. When a violation hereof creates conditions which are so aggravated that immediate cessation of operation is necessary and the Director so finds that as a fact, he or she may suspend the permit and serve written notice of such suspension on the permittee. The Director may also suspend a permit if objectionable conditions listed in a notice to correct is not corrected within the time stipulated.

B. A person whose permit has been suspended or revoked, as provided for herein, shall immediately discontinue the deposit or discharge of industrial waste, sewage or effluent and shall not resume such deposit or discharge until the permit has been reinstated or a new permit has been issued. (Prior code § 7-091.1)

13.08.390 Refusal, discontinuance or termination of service.

The City may, with cause, refuse to furnish sanitary sewer service and may discontinue or terminate such services to any premises where the sewage from such premises is found by the Director to be detrimental or injurious to the sanitary sewerage system of the City or to other premises or where the Director finds that negligent or wasteful use of water exists at any premises which adversely affects the City sanitary sewerage system. The City shall have the right to refuse, disconnect or terminate sewer service to any premises, if necessary to protect the City against abuse or fraud.

The Director, with cause, may issue a cease and desist order to any premises found to be in violation of provisions of this chapter or of their wastewater discharge permit. The Director may include a time schedule for compliance with the cease and desist order and may issue a cease and desist order as a preventative action in the event of a threatened violation. Further cause for refusal, discontinuance or termination of service may exist for a violation of any provision of this chapter or delinquency in sewer service payment or a discharge of wastewater that causes or threatens to cause a condition of contamination, pollution or nuisance as defined in this chapter. Termination of service to a premises by the Director and with the prior approval of the City Manager shall be accomplished by written notification of termination and the reason(s) sent by certified mail, return receipt requested, to the person to whom notice is given.

Immediate termination of service may be caused by the Director with the approval of the City Manager on any premises if there is an immediate public nuisance. The Director may then, with the approval of the City Manager, enter upon the premises without written notice to do such things and expend such sums as may be necessary to abate such nuisance, hazard or menace and the reasonable value of the work done and the amounts expended in so doing shall be charged against the person or owner of the property so in violation. (Prior code § 7-091.2)

13.08.400 Submission of time schedule.

When the City finds that a discharge of wastewater has been taking place in violation of prohibition or limitations prescribed in this chapter, or wastewater source control requirements, effluent limitations or pretreatment standards, or the provisions of a wastewater discharge permit, the City may require the user to

submit for approval, with such modifications as it deems necessary, a detailed time schedule of specific actions which the user shall take in order to prevent or correct a violation of requirements. (Prior code § 7-091.3)

13.08.410 Appeals.

A. Any user, permit applicant, or permit holder affected by a decision, action, or determination, including suspension, revocation, refusal or termination, cease and desist orders, issued by the Director, interpreting or implementing the provisions of this chapter or in any permit issued herein, may file with the Director a written request for reconsideration within 10 days of such decision, action, or determination, setting forth in detail the facts supporting the user's request for reconsideration.

B. Any person aggrieved by the action of the Director may appeal said decision in accordance with the procedures set forth in Sections 13.08.450 et seq., of this chapter. (Prior code § 7-091.4)

13.08.420 Emergency orders and appeals therefrom.

A. The Director of the Municipal Utilities Department may order the abatement of any discharge from any source, including, but not limited to, the discharge of any waste associated with human habitation or of human or animal origin and septic tank or cesspool waste, when, in the opinion of the Director or the Director's designated representative, the discharge causes or threatens to cause a condition which presents an imminent danger to the public health, safety, or welfare; the environment; or the POTW's operations.

B. Said situation shall be abated by service of a notice upon the person responsible for said discharge or the owner of said building and it shall be unlawful for any person to fail to obey or correct such conditions within 24 hours after being ordered to do so. If said situation is not abated within 24 hours after service of the notice, the City may perform such work or cause to be performed such work as shall be necessary to obtain proper abatement.

C. Any cost incidental to such work may be an assessment upon the property or premises affected and may be collected on the tax rolls in the same manner, by the same person, and at the same time together with or separate from the general taxes. The Director shall follow the procedures for having said charges collected with the general taxes.

D. Any person alleging to have been aggrieved by any emergency action taken by the City pursuant to this section may appeal the propriety of the City's action by filing a written notice of appeal with the Director of the Municipal Utilities Department within 15 days of the emergency abatement. Thereafter, said persons may file an appeal directly to the City Manager. The City Manager shall fix the date, time and place of the hearing of said appeal, not to exceed 60 days from the filing of the appeal, and shall cause the Municipal Utilities Director to send notice of the hearing to the aggrieved party. The City Manager shall have no obligation to hear any request for appeal filed in excess of 30 days following the denial of the appeal by the Municipal Utilities Director. (Prior code § 7-091.5)

13.08.430 Legal action.

If any person discharges sewage, industrial waste or other wastes into the City's wastewater disposal system contrary to the provisions of this chapter, Federal or State pretreatment standards or requirements, or any order of the City or any other local governmental agency having regulatory jurisdiction, or otherwise commits any violation contrary to any of the provisions of this chapter, the City Attorney may commence an action for appropriate legal, equitable, or injunctive relief in the courts of San Joaquin County. (Prior code § 7-091.6)

13.08.440 Civil penalties.

A. Any person who violates any provision of any permit issued pursuant to this chapter, who discharges waste or wastewater which causes pollution, or who violates any cease and desist order, prohibition effluent limitations, national standard of performance, or national pretreatment or toxicity standard or any other order of the Director shall be civilly liable to the City in a sum not to exceed $25,000.00 per violation per day. In addition, the City may require the user to pay any excess costs to the system for supplementary treatment plants, facilities, or operations needed as a result of allowing the entry of such discharges into the collection system and/or treatment works.

B. The City may petition the Superior Court of San Joaquin County to impose, assess, and collect any sums levied pursuant to this chapter and Sections 54725, 54739, and 54740, et seq., of the California Government Code. In determining the amount to be recovered, the court shall take into consideration all relevant circumstances, including, but not limited to, the extent of harm caused by the violation, the economic benefit derived through any noncompliance, the nature and persistence of the violation, the length of time over which the violation occurs, and corrective action, if any, attempted or taken by the discharger. Notwithstanding any other provision of law, all civil penalties imposed by the court pursuant to this subsection shall be distributed to the City. Remedies imposed pursuant to this section are in addition to and do not supersede or limit any and all other administrative, civil, or criminal remedies available at law, but no liability shall be recoverable under this section for any violation for which liability is recovered under Section 13.08.470 of this chapter. (Prior code § 7-091.7)

13.08.450 Administrative adjudication and penalties.

A. The City may issue an administrative complaint to any person who violates any requirement adopted or ordered by the City pursuant to this chapter. The administrative complaint shall allege with particularity, the act or failure to act that constitutes the violation, the section of the Stockton Municipal Code or wastewater permit provision violated, and the provisions of law authorizing civil liability to be imposed, and the proposed civil penalty, and shall be served by personal delivery or certified mail on the person subject to the discharge requirements. In addition, the administrative complaint shall inform the person served that a hearing before a Hearing Officer as designated by the City Council shall be conducted within 60 days after the person has been served. Persons aggrieved by the provisions of Section 13.08.410 may also avail themselves of the administrative adjudication procedures set forth in this and the following sections. Any person entitled to a hearing to be conducted pursuant to this provision may waive the right to a hearing, in which case the City shall not conduct a hearing.

B. If after the hearing, if any, it is found that the person affected by the administrative decision has violated reporting or discharge requirements, the Hearing Officer may assess a civil penalty against the person. In determining the amount of the civil penalty, the Hearing Officer may take into consideration all relevant circumstances, including, but not limited to, the extent of harm caused by the violation, the economic benefit derived through any noncompliance, the nature and persistence of the violation, the length of time over which the violation occurs, and corrective action, if any, attempted or taken by the discharger. Penalties imposed by the local agency pursuant to this section shall be assessed in accordance with Government Code Section 54740.5.

C. The amount of any civil penalties imposed pursuant to this section which have remained delinquent for a period of 60 days may constitute a lien against the real property from which the discharge originated and which resulted in the imposition of the civil penalty. The lien provided herein shall have no force and effect until recorded with the County Recorder and when recorded shall have the force and effect in priority of a judgment lien and continue for 10 years from the time of recording unless sooner released and shall be renewable in accordance with the provisions of Sections 683.110 to 683.220, inclusive, of the California Code of Civil Procedure. All moneys collected under this section shall be deposited in a special account of the City and shall be made available for the monitoring, treatment, and control of discharges into the City's sanitation or sewer

system or for other mitigation measures. (Prior code § 7-091.8)

13.08.460 Appeal of administrative decision.

A. The City Council hereby delegates the Council's review powers specified in Government Code Section 54740.5 to the City Manager. Any person dissatisfied with the decision of the Hearing Officer may, within 30 days of the notice of the Hearing Officer's decision, file a written appeal of such decision with the City Manager. The written appeal shall state with specificity the grounds upon which the appeal is being taken. The review by the City Manager or City Manager's designee shall consist solely of a review of the record of the administrative hearing. Within 30 days of receiving the written appeal, the City Manager shall issue a written decision affirming, modifying, or overruling the decision of the administrative Hearing Officer. The decision of the City Manager shall be final and binding.

B. Unless appealed, orders setting administrative penalties shall become effective and final upon issuance thereof and payment shall be made within 30 days. Copies of these orders shall be served by personal service or by registered mail upon the party served with the administrative complaint and upon other persons who appeared at the hearing and requested a copy. Any party aggrieved by a final order issued by the City Manager pursuant to this section may obtain review of the order in the Superior Court by filing in the court a petition for writ of mandate within 30 days following the service of a copy of the decision and order issued by the City Manager. If no aggrieved party petitions for writ of mandate within the time specified above, an order of the City Manager or Hearing Officer shall not be subject to review by any court or agency pursuant to Section 54740.6 of the California Government Code. (Prior code § 7-091.9)

13.08.470 Recovery of penalties.

The City may, at its option, elect to petition the Superior Court to confirm any order establishing civil penalties and enter judgment in conformity therewith in accordance with the provisions of Sections 1285 to 1287.6, inclusive, of the California Code of Civil Procedure. No penalty shall be recoverable under this section for any violation for which civil liability is recovered under Section 13.08.490. (Prior code § 7-091.10)

13.08.480 Criminal penalties.

It is unlawful for any person or entity to intentionally or negligently fail to comply with or violate any provisions of this chapter or any permit standards or requirements issued pursuant to this chapter or by the State, Federal, or other local governmental agency having jurisdictional authority with regard to wastewater treatment or discharge. (Prior code § 7-091.11)

13.08.490 Enforcement response plan.

In accordance with 40 CFR 403.8, the Director or the Director's designated representative shall respond to violations of this chapter using the Enforcement Response Plan (ERP) on file with the City Department of Municipal Utilities. (Prior code § 7-091.12)

Chapter 13.12 WASTEWATER USER CHARGES AND FEES

13.12.010 Classification of users.

All users shall be classified by assigning each one to a "user classification" category according to the principal activity conducted on the user's premises and based on the typical wastewater constituents and characteristics for the type of user as determined by the City. The purpose of each classification is to facilitate the regulation of wastewater discharge based on wastewater constituents and characteristics to provide an effective means of source control, and to establish a system of user charges and fees which will insure an equitable recovery of the City's cost. Wastewater constituents and characteristics may include, but not be limited to: total suspended solids (TSS), biochemical oxygen demand (BOD) and flow. (Prior code § 7-092.1)

13.12.020 Types and/or charges and fees.

A user classification charge may be adopted for each user category based upon the charges for the average wastewater constituents and characteristics of all users within the user classification. The charges for each wastewater constituent and characteristic shall be established by the City and set forth in the Council resolution adopted pursuant to this chapter. The City may adopt a schedule of charges and fees to include the following:

A. User classification charges;

B. Fees for monitoring;

C. Appeal fees;

D. Charges and fees based on wastewater constituents and characteristics to include applicable provisions of the Act. (Prior code § 7-092.2)

13.12.030 Determination of user charges.

Each user shall pay the applicable user charge as set forth in the City Schedule of User Charges and Fees. The City may elect to set fixed unit charges as set forth in the City Schedule of User Charges and Fees for certain user classifications based on wastewater constituents and characteristics. For the purpose of determining user charges the minimum standard classification charge shall be based upon a typical average strength of domestic wastewater. These constituents may include but not be limited to BOD, TSS, and volume. (Prior code § 7-092.3)

13.12.040 General requirements for the user charge system.

The City shall maintain a user charge system in accordance with CFR 40 Part 35 to assure equitable costs for all users. (Prior code § 7-092.4)

13.12.050 Wastewater fund.

All revenues or moneys collected by the City for use of the sanitary sewer system pursuant to the chapter shall be placed in an account entitled "Wastewater Fund" and shall be used only for the acquisition, construction, reconstruction, completion, maintenance and operation of the sanitary sewer system of the City and to repay principal and interest on any bonds heretofore or hereafter issued for the acquisition, construction,

reconstruction, completion or improvement of the sanitary sewer system of the City. (Prior code § 7-092.5)

13.12.060 Effective date of charges.

Effective dates of user charges shall be set by City Council resolution. (Prior code § 7-092.6)

13.12.070 Wastewater volume determination.

A. Meter Water Supply. User charges and fees shall be applied against the total amount of water used from all sources unless, in the opinion of the City, significant portions of water received are not discharged to a sanitary sewer. The total amount of water used from public and private sources will be determined by means of public meters or private meters installed and maintained at the expense of the user and approved by the City.

B. Metered Wastewater Volume and Metered Diversions. For purposes of determining other than flat rate charges as set forth by Council resolution the volume of effluent discharged into the sanitary sewer and sewer service charge for such use shall be measured by an effluent meter installed at the user's expense and approved by the Director.

For users where, in the opinion of the City, a significant portion of the water received from any metered source does not flow into the sanitary sewer because of the principal activity of the user or removal by other means, the user charges and fees will be applied against the volume of water discharged from such premises into the sanitary sewer. Written notification and proof of the diversion of water must be provided by the user if the user is to avoid the application of the user charges and fees against the total amount of water used from all sources. The user shall install a meter of a type and at a location approved by the City and at the user's expense. Such meters may measure either the amount of sewage discharged or the amount of water diverted. Such meters shall be tested for accuracy at the expense of the user when deemed necessary by the Director.

C. Estimated Wastewater Volume.

1. Users Without Source Meters. For users where, in the opinion of the City, it is unnecessary or impractical to install meters, the quantity of wastewater may be based upon an estimate prepared by the City and shall be considered as conclusive. This estimate shall be based upon a rational determination of the wastewater discharged and may consider such factors as the number of fixtures, seating capacity, population equivalent, production of goods and services or such other determinants of water use necessary to estimate the wastewater volume discharged.

2. Users With Source Meters. For users who, in the opinion of the City, divert a significant portion of their flow from a sanitary sewer, the user charges may be based upon an estimate of the volume prepared by the user, provided the user obtains a wastewater discharge permit and pays the applicable user charges and fees. The estimate must include the method and calculations used to determine the wastewater volume and may consider such factors as the number of fixtures, seating capacity, population equivalents, production of goods and services, or such other determinants of water use necessary to estimate the wastewater volume discharge. (Prior code § 7-092.7)

13.12.080 Establishment of BOD.

For the purposes of establishing the value of BOD for a commercial or industrial sewage, four (4) or more representative samples shall be taken at reasonable intervals during the billing period. Those industrial or commercial establishments whose wastes are found to fall continually within the same BOD limits will be checked only at the request of the owner of said establishment or at the discretion of the Director of the Municipal Utilities Department. The average BOD value of the waste as determined by such samples shall apply for the entire billing period during which such samples are taken. (Prior code § 7-092.8)

13.12.090 Method of assessing commercial user charges.

There shall be different unit rates per 100 cubic feet of metered water delivered for user categories, as established from time to time by the City and set forth in a Council resolution, to reasonably reflect their cost of service. (Prior code § 7-092.9)

13.12.100 Mandatory sanitary sewer service required.

Except as otherwise provided in this title, it shall be mandatory for all owners, occupants or persons in possession, charge, or control of all places or premises in the City to subscribe to and pay for sanitary sewer service rendered to such place or premises. (Prior code § 7-092.10)

13.12.110 Outside users—users not in City boundaries.

Users not within City boundaries shall be assessed and charged, according to the current City User Charge System, in compliance with CFR 40. Fees which are not part of the User Charge System will be set from time to time by City Council resolution or regulated by other sections of the Stockton Municipal Code. (Prior code § 7-092.11)

13.12.120 Establishing rules and regulations.

The City Manager is hereby authorized to establish any rules or regulations necessary for the enforcement of this chapter. He or she may delegate and appoint members of the City Administration to act in his or her behalf. (Prior code § 7-092.12)

13.12.130 Billing and collection procedures.

A. Billing and collection procedures for sewer service, including the billing cycle, whether monthly, quarterly or otherwise, shall be as determined by the Administrative Services Officer with the concurrence of the City Manager.

B. Residential and commercial sewer service shall be billed on a unified bill to the customer receiving the bill for water at the service location. Residential dwellings, consisting of two (2) or more separate units, served by a single water meter shall be billed for sewer service for the total number of such separate units served by such water meter on a unified bill. Notification of billing period changes shall be provided to all sewer service customers. (Prior code § 7-092.13)

13.12.140 Charges payable to City or designated authorized agent for billing and collection.

All sewer service charges shall be payable to the City or its authorized agent for billing and collection. (Prior code § 7-092.13.1)

13.12.150 Adjustment and refund of certain charges.

A. The Administrative Services Officer or authorized agent for billing and collection may adjust or refund such charges as are deemed to be inequitable in the presentation of an amount billed, penalty charges under extenuating circumstances, cancellation of duplicate billing, refunds of duplicate payments and refunds of

amounts due to customers on closed accounts. Refunds on closed accounts of $5.00 or less will not be made unless a specific request is received from the party to whom the refund is to be made.

B. The Administrative Services Officer or authorized agent for billing and collection may cancel all closed accounts due to the City with a balance of $10.00 or less. (Prior code § 7-092.14)

13.12.160 Adjustment of charges for service.

The Director of Municipal Utilities may make such adjustments as are deemed necessary based on a charge for service. All adjustments will require a specific request by the customer for whom the adjustment is made and such adjustments shall be approved by the Director of Municipal Utilities, and forwarded in writing to the Administrative Services Officer for processing. All adjustments may be credited to customer's account or refunded directly to the customer upon request by the customer. All direct refunds shall require the approval of the Administrative Services Officer. (Prior code § 7-092.15)

13.12.170 Maintenance of records.

The Administrative Services Officer or authorized agent for billing and collection is responsible for maintaining adequate records of bills tendered, payments received, delinquencies recorded, cash deposited and charges incurred. The records shall be maintained in accordance with the City's record retention policy. (Prior code § 7-092.16)

13.12.180 Delinquency, penalties and nonpayment.

A. An account shall be deemed delinquent where payment in full of the unified bill is not received at the office of the City or its authorized agent for billing and collection within 25 days of the billing date. A postmark date is not considered the date of payment.

B. Where all or any part of any bill remains unpaid 25 days after the billing date, a basic penalty of 10 percent of the total delinquent amount shall be added to such bill for the first month delinquent. In addition, an amount equal to one (1) percent per month of the total delinquent amount shall be added to such bill during the time said bill remains unpaid.

C. Except as otherwise provided by law, if a unified bill remains unpaid more than 30 days after the date of billing, water service at the service location may be terminated. Water service will not be restored until the amount of all delinquent charges and associated service charges, deposits and reconnection charges have been paid in full, or an amortization agreement has been authorized by the City or its authorized agent for billing and collection pursuant to Section 779 or 10010 of the Public Utilities Code or other applicable statute or regulation. (Prior code § 7-092.17)

13.12.190 Payment of fees—Responsible party—Responsibilities of property owner.

A. No facility or service of the sanitary sewer system shall be furnished to any premises free of charge.

1. The water service customer of any premises is and shall be responsible for payments of any and all sewer service charges applicable to the premises. It shall be and is hereby made the duty of each water service customer to ascertain from the City Administrative Services Department or its authorized agent for billing and collection the amount and due date of any charge applicable to premises and to pay such charges when due and payable.

2. Metered or monitored industrial sewer service charges will be billed to the sewer service user on an individual basis separate from the water service bill. The industrial sewer service user is and shall be responsible for payments of any and all sewer service charges applicable to the premises. It shall be and is hereby made the duty of each industrial sewer service customer to ascertain from the City Administrative Services Department the amount and due date of any charge applicable to premises and to pay such charges when due and payable.

B. It shall also be and is hereby made the duty of each owner of any premises to inform the City Administrative Services Department or its authorized agent for billing and collection immediately of all circumstances, and of any change(s) in any circumstance which will in any way affect the applicability of any charge to premises owned by said person or the amount of any such charge. In particular, but not by way of limitations, an owner of any premises shall immediately inform the City Administrative Services Department or its authorized agent for billing and collection of any sale or transfer of any such premises by or to such owner. (Prior code § 7-092.24)

13.12.200 Sewer connection charges system.

A system of connection charges will be applied to users connecting or increasing their usage. The connection charge system fees will be set by the City Council by resolution from time to time and periodically adjusted to meet the needs of the capital improvement funds.

Special Rates. Special rates for connection charges for specific areas or specific cases may be made by resolution of the City Council where special conditions warrant such action by reason of hardship or inequities, or if judged by the City Council to contribute to the general good or betterment of the community. (Prior code § 7-092.25)

CITY OF STOCKTON
Municipal Utilities Department

2012
PRETREATMENT PROGRAM ANNUAL REPORT

ATTACHMENT B

Enforcement Response Plan

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INDUSTRIAL PRETREATMENT PROGRAM

ENFORCEMENT RESPONSE PLAN

This document has been developed in accordance with the requirements of 40 CFR Part 403.8(f)(5), which requires that each Publicly Owned Treatment Works (POTW) develop and implement an enforcement response plan containing detailed procedures indicating how a POTW will investigate and respond to instances of industrial user noncompliance. The City has developed and implemented this Enforcement Response Plan as a component of the Industrial Pretreatment Program.

Noncompliance

Any violation of pretreatment requirements (discharge limits, sampling, analysis, reporting, compliance schedules, regulatory deadlines, etc.) is an instance of noncompliance for which the industrial user is liable for enforcement, including penalties.

Significant Noncompliance

Definition of Significant Noncompliance (SNC) as specified in 40 CFR 403.8(f)(2)(vii):

A Significant Industrial User (or any Industrial User which violates paragraphs (f)(2)(vii)(C), (D), or (H) of this section) is in significant noncompliance if its violation meets one or more of the following criteria:

(A) Chronic violations of wastewater Discharge limits, defined here as those in which 66 percent or more of all of the measurements taken for the same pollutant parameter during a 6-month period exceed (by any magnitude) a numeric Pretreatment Standard or Requirement, including instantaneous limits, as defined by 40 CFR 403.3(l);

(B) Technical Review Criteria (TRC) violations, defined here as those in which 33 percent or more of all of the measurements taken for the same pollutant parameter during a 6-month period equal or exceed the product of the numeric Pretreatment Standard or Requirement including instantaneous limits, as defined by 40 CFR 403.3(l) multiplied by the applicable TRC (TRC=1.4 for BOD, TSS, fats, oil, and grease, and 1.2 for all other pollutants except pH);

(C) Any other violation of a Pretreatment Standard or Requirement as defined by 40 CFR 403.3(l) (daily maximum, long-term average, instantaneous limit, or narrative Standard) that the POTW determines has caused, alone or in combination with other Discharges, Interference or Pass Through (including endangering the health of POTW personnel or the general public);

(D) Any discharge of a pollutant that has caused imminent endangerment to human health, welfare or to the environment or has resulted in the POTW's exercise of its emergency authority under paragraph (f)(1)(vi)(B) of this section to halt or prevent such a discharge;

(E) Failure to meet, within 90 days after the schedule date, a compliance schedule milestone contained in a local control mechanism or enforcement order for starting construction, completing construction, or attaining final compliance;

(F) Failure to provide, within 45 days after the due date, required reports such as baseline monitoring reports, 90-day compliance reports, periodic self-monitoring reports, and reports on compliance with compliance schedules;

(G) Failure to accurately report noncompliance;

(H) Any other violation or group of violations, which may include a violation of Best Management Practices, which the POTW determines will adversely affect the operation or implementation of the local Pretreatment program.

Violation Charges

Fines may be assessed for pretreatment violations in accordance with S.M.C. Sections 7-091.7 and/or 7-091.8. There may be assessed a $1,000.00 minimum fine for all violations.

Any violation of compliance schedule milestones, or enforcement order for starting construction, completing construction, and attaining final compliance by 90 days or more after the schedule date will be assessed a minimum fine of $100.00 per day from the milestone date.

Any failure to provide reports for compliance schedules, self-monitoring data, or categorical standards (baseline monitoring reports, 90 day compliance reports, and periodic reports) within 30 days from the due date will be assessed a minimum fine of $100.00 per day from the due date.

Timeframes for Enforcement Responses

All violations will be identified and documented within five days of receiving compliance information.

Initial enforcement responses (involving contact with the industrial user and requesting information on corrective or preventative actions) will occur within 30 days of violation detection.

Follow up actions for continuing or recurring violations will be taken within 60 days of the initial enforcement response.

Violations which threaten health, property or environmental quality are considered emergencies and will receive immediate responses.

All violations meeting the criteria for significant noncompliance will be addressed with an enforceable order within 30 days of the identification of significant noncompliance.

ESCALATING ENFORCEMENT RESPONSE GUIDE

Violation	Enforcement Response[1]	Personnel
Discharge Limit - City Monitoring or Self-Monitoring		
Isolated	NOV & Fine[2]	ECO/S/D
Recurring	NOV & Fine[3]	ECO/S/D
Chronic	AO & Fine	D
	Compliance Schedule[4]	D
	Show Cause & Fine	D/CA
	Cease and Desist & Fine	D/CA
	Temporary Suspension	D/CA
	Termination	D/CA
	Civil Action	D/CA/DA
Discharge		
SNC[5]	Cease and Desist & Fine	D/CA
Shock Load	Termination	D/CA
Gross Contamination	Civil Action	D/CA/DA
Bypass		
Health Risk		
Hazardous		
Unpermitted / Nonpermitted Discharge		
	Phone Call & NOV	ECO/S/D
	NOV & Fine	S/D
	Cease & Desist	D
	Termination	D/CA
	Civil Action	D/CA/DA
Dilution in Lieu of Treatment		
	AO & Fine	D
	Compliance Schedule	D

[1] Actions are listed in order of escalation value with corresponding personnel involvement.

[2] Fines for isolated discharge violations may be imposed depending on the severity of the violation, recent history of noncompliance, duration of noncompliance, and good faith and commitment.

[3] Fines for all violations will escalate in accordance with the severity of violation, harm to POTW, and economic benefit to violator, up to the maximum amount allowed by state and local laws.

[4] Dischargers that continue to violate during the compliance schedule period will be fined, but the Director may hold the fines in abeyance pending successful completion of the compliance schedule. This may be done for existing industries only. New industries must be in compliance upon commencement of operation.

[5] Publish annually in local newspaper.

Violation	Enforcement Response	Personnel
Monitoring		
Failure to / improper	Phone Call & NOV NOV & Fine AO & Fine Show Cause & Fine Cease and Desist Termination	ECO/S/D S/D D D/CA D/CA D/CA
Tampering	Cease and Desist Termination Civil Action	D/CA D/CA D/CA/DA
Reporting		
Late Improperly Signed Incomplete	Phone Call & NOV NOV & Fine AO & Fine	ECO/S/D S/D D
Changed Discharge	Show Cause & Fine	D/CA
Spill	Cease and Desist Termination	D/CA D/CA
Falsification	Cease and Desist Termination Civil Action	D D/CA D/CA/DA
Inspections		
Entry Denial	Phone Call & NOV Obtain Warrant	S/D D/CA/DA
Records Denial	Phone Call & NOV Obtain Warrant	S/D D/CA/DA
Compliance Schedules		
Milestone Dates	Show Cause & Fine Cease and Desist Termination	D D/CA D/CA
Nonpayment		
Fines Uncontested or Upheld through Appeal (90 Days Late)	Temporary Suspension	D/CA

Acronyms

AO - Administrative Order
CA - City Attorney
CFR – Code of Federal Regulations
CO – Correction Order
D - Director of Municipal Utilities
DA - District Attorney
ECO - Environmental Control Officer
NOV - Notice of Violation
POTW - Publicly Owned Treatment Works
S - Technical Services Supervisor
SMC – Stockton Municipal Code
SNC – Significant Noncompliance

Definitions

Bypass - To intentionally discharge wastewater to the sanitary sewer without pretreatment as specified by a Wastewater Discharge Permit.
Cease and Desist - A formal order requiring a user to stop violating a Discharge Permit limit.
Chronic Discharge Limit Violation - Three or more violations of the same discharge limit in a six month period.
Fine - Monetary penalty assessed by the Control Authority
Gross Contamination - Any discharge to the sanitary sewer that has caused, or has ability to cause, the POTW to violate its Waste Discharge Requirements.
Hazardous - As defined in 40 CFR Part 261.3 or California Administrative Code Title 22 Article 11.
Health Risk - To discharge wastewater or other materials to the sanitary sewer that is an immediate health threat to the POTW or the public at large.
Isolated Discharge Limit Violation - A single violation of a discharge limit in a six month period.
Recurring Discharge Limit Violation - A second violation of the same discharge limit in a six month period.
Shock Load - Any discharge to the sanitary sewer that has caused interference or pass-through at the POTW, or has caused the POTW to violate its Waste Discharge Requirements.
Show Cause - Formal meeting requiring the industrial user to appear and demonstrate why the Control Authority should not take a proposed enforcement action against it. The meeting may also serve as a forum to discuss corrective actions and compliance schedules.
Temporary Suspension - The temporary suspension of sewer service pending successful completion, installation, demonstration of treatment equipment or payment of fines.
Termination - A formal order requiring a user to stop discharging process or other wastewater to the sanitary sewer.

CITY OF STOCKTON
Municipal Utilities Department

2012
PRETREATMENT PROGRAM ANNUAL REPORT

ATTACHMENT C

Schedule of Wastewater Fees

PRETREATMENT COMPLIANCE INSPECTION - MARCH 27, 2013

TO: Gregory A. Roy, P.E., CDM Smith
Sami Nall, P.E., CDM Smith

FROM: Richard Stiffler, Technical Services Supervisor
City of Stockton, Municipal Utilities Department

Finding:

Application of Streamlining Rule requirements regarding Best Management Practices.

Discussion:

Stockton Municipal Code (SMC) does not specify BMP requirements for industrial users.

Justification:

1. The Streamlining Final Rule allows the POTW, as an option, to adopt legal authority to develop and use BMPs as local limits and that the BMPs would be enforceable under 40CFR403.5(d) as Pretreatment Standards. If the POTW chooses to allow BMPs to serve as local limits, the BMPs are at the sole discretion of the POTW after approval by the Approval Authority. If adopted, BMPs may be used as stand-alone requirements or in conjunction with numeric local limits and may implement general and/or specific Federal prohibitions. Under this optional provision, the City of Stockton currently has not adopted any BMPs as local limits.

Categorical user BMP requirements must be specified in the users control mechanism (permit). Under this required provision, the City of Stockton will incorporate the required BMP provisions in permits issued to all categorical users subject to BMP requirements. SIU permit requirements are fully enforceable under provisions of the Stockton Municipal Code.

2. 40CFR403.8(f)(1)(iii) - POTW Pretreatment Requirements:

"Control through Permit, order, or similar means, the contribution to the POTW by each Industrial User to ensure compliance with applicable Pretreatment Standards and Requirements.

(B) Both Individual and general control mechanisms must be enforceable and contain, at a minimum, the following conditions:

PRETREATMENT COMPLIANCE INSPECTION - MARCH 27, 2013

TO: Gregory A. Roy, P.E., CDM Smith
Sami Nail, P.E., CDM Smith

FROM: Richard Stiffler, Technical Services Supervisor
City of Stockton, Municipal Utilities Department

Finding:

Specific definition of SNC not present in SUO (Stockton Municipal Code).

Discussion:

The Stockton Municipal Code (SMC) does not contain the entire 40 CFR 403 definition of SNC.

Justification:

1. SMC defines SNC by referencing the 40 CFR 403 section which currently defines SNC in its entirety.

2. SMC section 13.08.490 sites pretreatment enforcement authority with the POTW's Enforcement Response Plan (ERP). The City's current ERP contains the complete definition of SNC, including the required Streamlining Rule change revisions.

Conclusion:

The City realizes the benefit of having the SUO be as specific as possible in this area and is amenable to adding the complete definition of SNC during the next SUO revision. If this citation can be specified as a "recommendation" to include the complete definition of SNC in the Stockton Municipal Code, it will be incorporated during the next time the SMC Pretreatment Ordinance is revised.

PRETREATMENT COMPLIANCE INSPECTION - MARCH 27, 2013

TO: Gregory A. Roy, P.E., CDM Smith
Sami Nall, P.E., CDM Smith

FROM: Richard Stiffler, Technical Services Supervisor
City of Stockton, Municipal Utilities Department

Finding:

Application of sampling types to determine local limits compliance.

Discussion:

Stockton SIU permits regarding local limits compliance monitoring are determined case-by-case (site-specific and permit specific). Grab and/or composite samples may be used to determine compliance with local limits (instantaneous maximum limits / daily maximum limits). The Sewer Use Ordinance was developed to allow either type of sampling to monitor for local limits. The City has issued SIU permits which specify either grab or composite samples, or both, to determine local limits compliance. Each SIU permit clearly specifies the type of sample (grab/composite) and that each sample must be representative of the sampling day/reporting period.

Justification:

1. U.S. E.P.A. Memorandum dated October 1, 1992: "The Use of Grab Samples to Detect Violations of Pretreatment Standards" (attached) -

Page 4, Section B Compliance with Local Limits:

"Local limits may be established on an instantaneous, daily, weekly or monthly-average basis"....."Compliance with instantaneous limits should be established using individual grab samples. Exceedances identified by composite sampling are also violations"....."Compliance with daily, weekly or monthly average limits should be determined using composited sampling data".

Page 6, Footnote 7:

"When POTWs choose to allow the SIU to collect single grab samples, the POTW should draft the SIU's individual control mechanism to clearly indicate that grab samples are to be obtained thereby preventing any uncertainty at a later date."

2. U.S. E.P.A. Model Pretreatment Ordinance, January 2007: Section 2.4 Local Limits (A) -

"Note: The municipality may set (local) limits as instantaneous maximums or for other durations (e.g., Daily Maximum or Monthly Average Limits)".

3. Stockton Municipal Code, section 13.08.310 (F) Wastewater Discharge Permits -

"permits issued to users shall specify, in detail, the requirements for self-monitoring, sampling, reporting.....".

Conclusion:

The City has issued SIU permits which specify grab and/or composite sampling requirements to determine compliance with local limits on a case-by-case, site-specific basis. The type of sampling required is determined based on which is most appropriate for each industrial user's specific situation. Each SIU permit clearly specifies the type of sample required (grab or composite) and that each sample must be representative of the sampling day and/or reporting period. The Stockton Municipal Code intentionally does not specify the type of sampling required for local limits monitoring which gives the City the flexibility in specifying either grab or composite sampling, or both, in each individual permit on a case-by-case basis depending on the circumstances present.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OCT 1 1992

MEMORANDUM

OFFICE OF WATER

SUBJECT: The Use of Grab Samples to Detect Violations of Pretreatment Standards

FROM: Michael B. Cook, Director
Office of Wastewater Enforcement & Compliance (WH-546)

Frederick F. Stiehl
Enforcement Counsel for Water (LE-134W)

TO: Water Management Division Directors, Regions I - X
Environmental Services
Division Directors, Regions I - X
Regional Counsels, Regions I - X

The primary purpose of this Memorandum is to provide guidance on the propriety of using single grab samples for periodic compliance monitoring to determine whether a violation of Pretreatment Standards has occurred. More specifically, the Memorandum identifies those circumstances when single grab results may be used by Control Authorities, including EPA, State or publicly owned treatment works (POTW) personnel, to determine or verify an industrial user's compliance with categorical standards and local limits. Please be aware that the concepts set out below are applicable when drafting self-monitoring requirements for industrial user permits.

REGULATORY BACKGROUND

The General Pretreatment Regulations require Control Authorities to sample all significant industrial users (SIUs) at least once per year [see 40 CFR 403.8(f)(2)(v)]. In addition, the Regulations, at 40 CFR 403.12(e), (g) and (h) require, at a minimum, that all SIUs self-monitor and report on their compliance status for each pollutant regulated by a Pretreatment Standard at least twice per year unless the Control Authority chooses to conduct all monitoring in lieu of self-monitoring by its industrial users.[1]

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[1] The POTW should conduct more frequent sampling and/or require more frequent self-monitoring by an industrial user if deemed necessary to assess the industry's compliance status (e.g., a daily, weekly, monthly or quarterly frequency as appropriate).

The Regulations, at 40 CFR 403.12(g) and (h), also specify that pollutant sampling and analysis be performed using the procedures set forth in 40 CFR Part 136. Part 136 identifies the proper laboratory procedures to be used in analyzing industrial wastewater (including the volume of wastewater necessary to perform the tests and proper techniques to preserve the sample's integrity). However, with certain exceptions, Part 136 does not specifically designate the method to be used in obtaining samples of the wastewater. Rather, section 403.12(g) and (h) require sampling to be "appropriate" to obtain "representative" data; that is, data which represent the nature and character of the discharge.

DISCUSSION OF BASIC SAMPLING TYPES

Sampling may be conducted in two basic ways. Both types of sampling provide valid, useful information about the processes and pollutants in the wastewater being sampled. The first is an "individual grab sample." An analysis of an individual grab sample provides a measurement of pollutant concentrations in the wastewater at a particular point in time. For example, a single grab sample might be used for a batch discharge which only occurs for a brief period (e.g., an hour or less). Such samples are typically collected manually but are sometimes obtained using a mechanical sampler.[2]

The second type of sample is a "composite sample." Composite samples are best conceptualized as a series of grab samples which, taken together, measure the quality of the wastewater over a specified period of time (e.g., an operating day). Monitoring data may be composited on either a flow or time basis. A flow-proportional composite is collected after the passage of a defined volume of the discharge (e.g., once every 2,000 gallons). Alternatively, a flow-proportional composite may be obtained by adjusting the size of the aliquots to correspond to the size of the flow. A time-proportional composite is collected after the passage of a defined period of time (e.g., once every two hours).

Generally, composite samples are collected using a mechanical sampler, but may also be obtained through a series of manual grab samples taken at intervals which correspond to the wastewater flow or time of the facility's operations. In some cases, composite data is obtained by combining grab samples prior

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[2] Mechanical samplers may not be used to sample for certain pollutants (e.g., those which could adhere to the sampler tubing, volatilize in the sampler, or pollutants with short holding times).

to transmittal to a laboratory. At other times, the samples remain discrete and are either combined by the laboratory prior to testing or are analyzed separately (and mathematically averaged to derive a daily maximum value).[3]

DETERMINING APPROPRIATE COMPLIANCE SAMPLING METHODS

EPA policy on appropriate compliance sampling types has been articulated in several pretreatment guidance manuals and regulatory preambles, and continues to be as follows:

A. Compliance With Categorical Standards

- Most effluent limits established by categorical standards are imposed on a maximum daily-average and a monthly-average bases. Generally, wastewater samples taken to determine compliance with these limits should be collected using composite methods.

- There are exceptions to the general rule. Composite samples are inappropriate for certain characteristic pollutants (i.e., pH and temperature) since the composite alters the characteristic being measured. Therefore, analysis of these pollutants should be based on individual grab samples. Alternatively, continuous monitoring devices may be used for measuring compliance with pH and temperature limits. Any exceedance recorded by a continuous monitoring device is a violation of the standard.

- Sampling wastewater from electroplating facilities regulated under 40 CFR Part 413 may be conducted using single grab samples [(assuming that the grab samples are representative of the daily discharge for a particular facility); see also preamble discussion at 44 Fed. Reg. 52609, September 7, 1979]

- A series of grab samples may be needed to obtain appropriate composite data for some parameters due to the nature of the pollutant being sampled. Examples of this situation include:

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[3] Daily maximum discharge limits are controls on the average wastewater strength over the course of the operating day. They are not intended to be instantaneous limits applied at any single point during that operating day.

- Sampling for parameters which may be altered in concentration by compositing or storage. These pollutants include pH-sensitive compounds (i.e., total phenols, ammonia, cyanides, sulfides);[4] and volatile organics such as purgeable halocarbons, purgeable aromatics, acrolein, and acrylonitrile.

- Sampling for pollutants with short holding times such as hexavalent chromium and residual chlorine; and

- Sampling for pollutants which may adhere to the sample container or tubing such as fats, oil and grease. Individual analysis for these parameters ensures that all the material in the sample is accounted for.

B. Compliance With Local Limits

Local limits may be established on an instantaneous, daily, weekly or monthly-average basis. The sample type used to determine compliance with local limits should be linked to the duration of the pollutant limit being applied.

- Compliance with instantaneous limits should be established using individual grab samples. Exceedances identified by composite sampling are also violations.

- Compliance with daily, weekly or monthly average limits should be determined using composited sampling data, with the same exceptions noted in A, above.

- Measurements of wastewater strength for non-pretreatment purposes (e.g., surcharging) may be conducted in a manner prescribed by the POTW.

GRAB SAMPLING AS A SUBSTITUTE FOR COMPOSITE SAMPLING

EPA is aware that a number of Control Authorities currently rely on a single grab sample to determine compliance, particularly at small industrial users, as a way of holding down monitoring costs. It is EPA's experience that the process activities and wastewater treatment at many industrial facilities may not be sufficiently steady-state as to allow for routine use

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[4] Certain pH-sensitive compounds can be automatically composited without losses if the collected sample is only to be analyzed for a single parameter. Additionally, a series of grab samples may be manually composited if appropriate procedures are followed.

of single grab results as a substitute for composite results. Therefore, the Agency expects composited data to be used in most cases. However, there are several circumstances when a single grab sample may be properly substituted for a single composite sample. These situations are:

- Sampling a batch or other similar short term discharge, the duration of which only allows for a single grab sample to be taken;

- Sampling a facility where a statistical relationship can be established from previous grab and composite monitoring data obtained over the same long-term period of time;[5] and

- Where the industrial user, in its self-monitoring report, certifies that the individual grab sample is representative of its daily operation.

Except for these circumstances, Control Authorities should continue to use composite methods for their compliance sampling.

GRAB SAMPLES AS A COMPLIANCE SCREENING TOOL

Control Authorities may consider using grab samples as a compliance screening tool once a body of composite data (e.g., Control Authority and self-monitoring samples obtained over a year's time), shows consistent compliance. However, in the event single grab samples suggest noncompliance, the Control Authority

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[5] Grab sampling may provide results that are similar to composite sampling. See for example, a March 2, 1989, Office of Water Regulations and Standards (OWRS) Memorandum to Region IX describing the results of a statistical analysis of sampling data from a single industrial facility. These sampling data included both individual grab and flow-proportional, composite sampling obtained during different, non-overlapping time periods. After reviewing the data, OWRS concluded that the composite and grab sample data sets displayed similar patterns of violation for lead, copper, and total metals. In fact, the analyses did not find any statistically significant difference in the concentration values measured between the grab and composited data. Furthermore, additional statistical tests of the two data sets indicated that the means and variances for each pollutant were similar. The statistical conclusion was that the plant was judged to be out of compliance regardless of what data were analyzed.

and/or the industrial user should resample using composite techniques on the industrial users effluent until consistent compliance is again demonstrated.[6]

Control Authorities may also rely on single grab samples, or a series of grab samples for identifying and tracking slug loads/spills since these "single event" violations are not tied to a discharger's performance over time.

Any time an SIU's sample (either grab or composite) shows noncompliance, the General Pretreatment Regulations, at 40 CFR 403.12(g)(2), require that the SIU notify the Control Authority within twenty four (24) hours of becoming aware of the violation and resample within 30 days. Furthermore, EPA encourages Control Authorities to conduct or require more intensive sampling in order to thoroughly document the extent of the violation(s). Of course, the use of grab samples should be reconsidered in the event the SIU changes its process or treatment.[7]

SUMMARY

The collection and analysis of sampling data is the foundation of EPA's compliance and enforcement programs. In order for these programs to be successful, wastewater samples must be properly collected, preserved and analyzed. Although the Federal standards and self-monitoring requirements are independently enforceable, Control Authorities should specify, in individual control mechanisms for industrial users, the sampling collection techniques to be used by the industry. Generally, pretreatment sampling should be conducted using composite methods wherever possible, to determine compliance with daily, weekly or monthly average limits since this sampling technique most closely reflects the average quality of the wastewater as it is discharged to the publicly owned treatment works. Grab samples should be used to determine compliance with instantaneous limits. There are circumstances when discrete grab samples are also an appropriate, cost effective means of screening compliance with daily, weekly and monthly pretreatment standards.

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[6] Where grab samples are used as a screening tool only (i.e., consistent compliance has been demonstrated by composite data), the results should not be used in the POTW's calculation of significant noncompliance (SNC).

[7] When POTWs choose to allow the SIU to collect single grab samples, the POTW should draft the SIU's individual control mechanism to clearly indicate that grab samples are to be obtained thereby preventing any uncertainty at a later date.

In summary, there are limited situations in which single grab sample data may be used in lieu of composite data. Assuming adequate quality control measures are observed, analyses of these grab samples can indicate noncompliance with Federal, State and Local Pretreatment Standards and can form the basis of a successful enforcement action. Grab sampling can also be useful in quantifying batches, spills, and slug loads which may have an impact on the publicly owned treatment works, its receiving stream and sludge quality.

Should you have any further comments or questions regarding this matter, please have your staff contact Mark Charles of OWEC at (202) 260-8319, or David Hindin of OE at (202) 260-8547.

cc: Frank M. Covington, NEIC
Thomas O'Farrell, OST
Regional and State Pretreatment Coordinators
Lead Regional Pretreatment Attorneys, Regions I - X
Approved POTW Pretreatment Programs

PRETREATMENT COMPLIANCE INSPECTION - MARCH 27, 2013

TO: Gregory A. Roy, P.E., CDM Smith
Sami Nall, P.E., CDM Smith

FROM: Richard Stiffler, Technical Services Supervisor
City of Stockton, Municipal Utilities Department

Finding:

Applicability of SNC determination regarding permitted limits for flow, BOD and TSS.

Discussion:

Stockton SIU permits specify discharge limitations for flow, BOD and TSS on a case-by-case, permit-specific basis. These capacities are purchased by the industrial user but are allocated and/or restricted based on availability of capacity in the sewer system; protection of the sewer collection system; protection of the wastewater treatment plant; and worker safety. Once approved, these limits are specified in each individual SIU permit and become an enforceable permitted discharge limitation. Due to the significance of potential downstream problems related to flow, BOD and TSS, the City has applied SNC determination in instances of significant non-compliance with these parameters.

Justification:

SNC Definition, 40CFR403.8(f)(2)(viii)(H):

"Any other violation or group of violations, which may include a violation of Best Management Practices, which the POTW determines will adversely affect the operation or implementation of the local Pretreatment program".

Conclusion:

The City has determined that significant non-compliance with flow, BOD and TSS parameters could adversely affect the operation of the collection system, wastewater treatment plant and/or worker safety, and therefore chooses to apply SNC determination to each based on 40CFR403.8(f)(2)(viii)(H).

(3) Effluent limits, including Best Management Practices, based on applicable general Pretreatment Standards in part 403 of this chapter, categorical Pretreatment Standards, local limits, and State and local law"

3. U.S. E.P.A. National Pretreatment Program, Pretreatment Streamlining Rule, Fact Sheet 7.0: Best Management Practices, January 2007 (attached):

"Description of required change: The final rule clarifies at section 403.8(f)(1)(iii)(B)(3) that BMPs required by a categorical Pretreatment Standard must be included amongst any necessary effluent limits in the CIU's control mechanism.....

What follow-up actions are required? POTWs must revise, as necessary, CIU control mechanisms to include applicable BMPs required by categorical Pretreatment Standards. Appropriate reporting and recordkeeping requirements must also be specified in the control mechanism and compliance information maintained."

"Description of required change: The final rule requires at sections 403.12(b), (e), and (h) that IUs subject to BMP requirements as part of their Pretreatment Standards submit documentation of compliance with such requirements.....

What follow-up actions are required? POTWs must revise, as necessary, IU control mechanisms to require IUs to report on compliance with Pretreatment Standards that include BMP requirements."

4. EPA Control Authority Pretreatment Audit Checklist - 833-B-10-001 - February 2010, Chapter 2. Control Authority Pretreatment Audit Checklist, A. CA Pretreatment Program Modification [403.18] (attached):

1. d. Has the CA amended its pretreatment program to include the following components required under the 2005 amendments to the General Pretreatment Regulations:

"SIU control mechanisms must contain any BMPs required by a Pretreatment Standard, local limits, state, or local law. [40 CFR 403.8(f)(1)(iii)(B)(3)]"

5. U.S. E.P.A. Model Pretreatment Ordinance, January 2007: Section 2.4 Local Limits -

"Note: The municipality may also establish Best Management Practices (BMPs) to control certain (local limits) pollutants."

6. U.S. E.P.A. Model Pretreatment Ordinance, January 2007: Section 2.4 Local Limits (C) -

"{Optional} [Note: The following optional provision may be included in the local ordinances only if authorized under State law.]"

"C. [The Superintendent] may develop Best Management Practices (BMPs), by ordinance or in the individual wastewater discharge permits, to implement Local Limits and the requirements of Section 2.1."

7. U.S. E.P.A. Model Pretreatment Ordinance, January 2007: Section 5.2 (A) Individual wastewater discharge permits must contain:

"3. Effluent limits, including Best Management Practices, based on applicable Pretreatment Standards; *[Note: Required Streamlining Rule Change]*"

8. The Pretreatment Compliance Inspection conducted on March 16 and 17, 2011 by PG Environmental, LLC indicated that the City, at that time, had adequately implemented the federally required Streamlining Rule changes. The City has not revised any of those changes since that PCI determination was made.

Conclusion:

The City has not chosen the option to adopt any BMPs as local limits and therefore has not incorporated BMP requirements in the SUO. When the City revises numerical local limits in the future, applicable local limit BMP's will be considered and, if applicable, incorporated into the SUO at that time.

Currently, the City has no industrial users subject to categorical BMP requirements. If, in the future, a permit is issued to any categorical user which is subject to BMP requirements, the City will incorporate those requirements into the SIU control mechanism (permit) at the time it is issued. The same provision will apply to all BMP reporting and record-keeping requirements specified in 40CFR403.12 (b) (d) (e) (h) and (o).

National Pretreatment Program

(40 CFR 403)

Pretreatment Streamlining Rule

Fact Sheet 7.0: Best Management Practices

Summary

Provisions of the Pretreatment Streamlining Rule clarify that publicly owned treatment works (POTWs) may use best management practices (BMPs) as an alternative to numeric limits that are developed to protect the POTW, water quality, and sewage sludge. In addition, the rule requires that any applicable BMPs be included in the user's control mechanism, that self-monitoring reports include BMP compliance information where applicable, and that documentation of compliance information for BMPs be maintained by the POTW and the user.

What are BMPs?

BMPs are management and operational procedures that are intended to prevent pollutants from entering a facility's wastestream or from reaching a discharge point. BMPs are defined at Title 40 of the *Code of Federal Regulations* (CFR) 403.3(e) as schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to implement the general and specific prohibitions listed in sections 403.5(a)(1) and (b). BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw materials storage.

When are BMPs appropriately used?

BMPs may be Pretreatment Standards in two different circumstances. The first is when the BMPs are categorical Pretreatment Standards established by EPA. These are discussed in more detail below.
The second is when a POTW establishes BMPs as local limits to implement the general and specific prohibitions.

EPA anticipates that POTWs will choose to use BMPs instead of numeric limits where determination of compliance with numeric limits is infeasible or as a supplement to numeric limits, as appropriate, to meet the requirements of the Clean Water Act. BMPs may be appropriate for regulating releases when the types of

pollutants vary greatly over time, when chemical analyses are impracticable, where discharges are episodic in nature, and when other discharge control options are inappropriate (e.g., requirements for photoprocessors to use silver recovery systems or for dental facilities to follow BMPs to control mercury). Additional examples of BMPs used for the control of commercial sources of wastewater can be found in "Appendix W - Best Management Practices Mini-Case Studies" of "Local Limits Development Guidance Appendices," EPA 833-R-04-002B, July 2004. (http://www.epa.gov/npdes/pubs/final_local_limits_appendices.pdf)

What elements should be included in an enforceable BMP?

Enforceable BMPs may include the following elements: (1) specific notice to IUs of requirements and enforceability; (2) installation of treatment; (3) requirements for or prohibitions on certain practices, activities or discharges; (4) requirements for operation and maintenance of treatment units; (5) timeframes associated with key activities; (6) compliance certification, reporting and records retention; (7) provision for re-opening or revoking the BMP conditions; and (8) other requirements as determined by the POTW. Depending on the industry being controlled, not all elements may be necessary or appropriate.

POTWs may develop and implement the use of BMPs in lieu of numerical local limits for IUs

Description of change: The final rule clarifies that POTWs may develop BMPs for industrial users (IUs) in order to implement the specific limits requirements listed at 40 CFR 403.5(c)(1–2). Such BMPs are considered local limits and Pretreatment Standards. POTWs have the option to use BMPs to regulate IUs at their discretion (e.g., to regulate noncategorical IUs).

When developing and implementing BMPs, what actions are required? POTWs must evaluate BMPs during the technical evaluation of their local limits, structuring applicable BMPs to allow for compliance verification. For BMPs to be considered local limits under 40 CFR 403.5(c), the practices must protect against Pass Through and/or Interference.

When implementing BMP requirements for IUs, the control authority (CA) must include those requirements, as necessary, in the IU's control mechanism.

POTWs must include BMPs required by a categorical Pretreatment Standard in the CIU's control mechanism

Description of required change: The final rule clarifies at section 403.8(f)(1)(iii)(B)(3) that BMPs required by a categorical Pretreatment Standard **must** be included amongst any necessary effluent limits in the CIU's control mechanism.

What follow-up actions are required? POTWs must revise, as necessary, CIU control mechanisms to include applicable BMPs required by categorical Pretreatment Standards. Appropriate reporting and recordkeeping requirements must also be specified in the control mechanism and compliance information maintained. For example, facilities may develop toxic organic management plans in lieu of sampling to demonstrate compliance with the total toxic organic limit in 40 CFR Part 433 (Metal Finishing category). The Pesticides Formulating, Packaging, and Repackaging (PFPR) regulation provides a pollution prevention alternative as an option that may be chosen rather than complying with the "zero discharge" limitations.

IU reports must include BMP compliance information

Description of required change: The final rule requires at sections 403.12(b), (e), and (h) that IUs subject to BMP requirements as part of their Pretreatment Standards submit documentation of compliance with such requirements.

What follow-up actions are required? POTWs must revise, as necessary, IU control mechanisms to require IUs to report on compliance with Pretreatment Standards that include BMP requirements. States and POTWs must revise their programs to ensure that they have the legal authority and procedures to enforce this requirement.

The CA must enforce those requirements where IUs fail to submit the required information. The CA must also ensure that the BMPs are enforceable, and that its enforcement response plan addresses violations of BMP requirements.

Documentation of compliance with BMP requirements must be maintained as part of the IU's and POTW's record-keeping requirements

Description of required change: The final rule clarifies at section 403.12(o) that the POTW and the IU must maintain records of BMP compliance in the same way that other records are maintained as part of section 403.12(o).

What follow-up actions are required? POTWs must notify IUs of this change and revise IU control mechanisms to require maintaining BMP compliance records. The POTW must also maintain documentation associated with BMPs.

What steps are required to implement these Streamlining provisions?

Once the POTW has determined what program revisions it will make in response to the Streamlining Rule, it must submit the modifications to the Approval Authority (either the state, if it has Pretreatment Program authority, or the EPA Regional Administrator) for approval. The program modifications must include a statement of basis for the changes, a description of the modifications, and other information the Approval Authority may request, as appropriate.

CONTROL AUTHORITY PRETREATMENT AUDIT CHECKLIST AND INSTRUCTIONS

833-B-10-001

February 2010

EPA

Office of Wastewater Management
Office of Enforcement and Compliance Assurance

SECTION I: DATA REVIEW (CONTINUED)

A. CA PRETREATMENT PROGRAM MODIFICATION (continued) [403.18]

1. d. Has the CA amended its pretreatment program to include the following components required under the 2005 amendments to the General Pretreatment Regulations:

	Yes	No
• Slug control requirements in control mechanisms. [40 CFR 403.8(f)(1)(iii)(B)(6)]		
• Notification requirements to include changes that might affect the potential for a slug discharge. [40 CFR 403.8(f)(2)(vi)]		
• Revised SNC definition. [40 CFR 403.8(f)(2)(viii)]		
• Clarification that SIU reports must include any applicable BMP compliance information. [40 CFR 40.12(b), (e), (h)]		
• SIU control mechanisms must contain any BMPs required by a Pretreatment Standard, local limits, state, or local law. [40 CFR 403.8(f)(1)(iii)(B)(3)]		
• Record-keeping requirements for BMPs. [40 CFR 403.12(o)]		
• Clarification that CAs that perform sampling for SIUs must perform any required repeat sampling and analysis within 30 days of becoming aware of a violation. [40 CFR 403.12(g)(2)]		
• Modifications to the sampling requirements. [40 CFR 403.12(g)]		
• Requirement to report all monitoring results. [40 CFR 403.12(g)]		

If not, when?

e. Has the CA adopted or does the CA plan to adopt any of the optional measures provided by the 2005 amendments to the General Pretreatment Regulations?

Yes	No

If yes, check which ones.

	Issuance of monitoring waivers for pollutants that are not present [40 CFR 403.8(f)(2)(v) and 403.12(e)(2)]
	Issuance of general control mechanisms to regulate multiple industrial dischargers with similar wastes [40 CFR 403.8(f)(1)(iii)(A)]
	Using BMPs as an alternative to numeric local limits [40 CFR 403.3(e), 403.5(c)(4), 403.8(f), 403.12(b), (e), and (h)]
	Authority to implement alternative sampling, reporting, and inspection frequencies for NSCIUs [40 CFR 403.3(v)(2), 403.8(f)(2)(v)(B), 403.8(f)(6), 403.12(e)(1), 403.12(g), (i), and (q)]
	Authority to implement alternative sampling, reporting, and inspection frequencies for middle-tier CIUs [40 CFR 403.8(f)(2)(v)(C), 403.12(e)(3), and 403.12(i)]
	Authority to implement equivalent concentration limits for flow-based standards [40 CFR 403.6(c)(6)]
	Authority to implement equivalent mass limits for concentration-based standards [40 CFR 403.6(c)(5)]

CITY OF STOCKTON

DEPARTMENT OF MUNICIPAL UTILITIES
2500 Navy Drive • Stockton, CA 95206-1191 • 209/937-8750 • Fax 209/937-8708
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September 30, 2013

VIA FED EX

Nichole Morgan, P.E.
Senior Water Resource Control Engineer
NPDES Compliance and Enforcement Unit
California Regional Water Quality Control Board
Central Valley Region
11020 Sun Center Drive #200
Rancho Cordova, CA 95670-6114

PRETREATMENT COMPLIANCE INSPECTION REPORT - RESPONSE SUBMITTAL, INDUSTRIAL PRETREATMENT PROGRAM, CITY OF STOCKTON

I have reviewed your Pretreatment Compliance Inspection (PCI) Evaluation Report, dated August 2, 2013 (copy enclosed). This report documents the inspection of the City of Stockton's Industrial Pretreatment Program conducted on March 27, 2013 by CDM Smith on behalf of the U.S. EPA and Regional Water Quality Control Board.

Section 1.3 of the PCI report contains a summary of the findings of the Inspection and Includes requirements and recommendations for the City's Industrial Pretreatment Program based on these findings. Each item specified in Section 1.3 is listed below along with the City's response to each.

1.3 Requirements

1. The City should confirm the Regional Board's approval of both the SUO and the ERP. (Section 2)

Response: Notifications of Non-Substantial Modifications to the City's Industrial Pretreatment Program for revisions to both the Sewer Use Ordinance (SUO) and Enforcement Response Plan (ERP) were sent to the Regional Water Quality Control Board (RWQCB) by certified mail on February 25, 2009 and November 18, 2009 (copies enclosed).

2. The City's SUO is missing sampling collection procedures as required by Title 40 of the Code of Federal Regulations (40 CFR) Section 403.12(g). This is also a Streamlining Rule requirement that must be included in all local control mechanisms. (Section 5)

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PRETREATMENT COMPLIANCE INSPECTION REPORT - RESPONSE SUBMITTAL, INDUSTRIAL PRETREATMENT PROGRAM, CITY OF STOCKTON

Response: Sampling collection procedures as required by 40 CFR Section 403.12(g) will be added to the SUO prior to July 1, 2014. Notification to the RWQCB of nonsubstantial modifications to the City's Industrial Pretreatment Program for these revisions will be provided within the required time frame.

3. The record keeping requirements for best management practices (BMPs) are not included in the City's SUO. This Streamlining Rule change is contained in 40 CFR Section 403.12(o). The City's SUO must be updated for this requirement. (Section 5)

Response: Record keeping requirements for Best Management Practices (BMPs) as required by 40 CFR Section 403.12(o) will be added to the SUO prior to July 1, 2014. Notification to the RWQCB of nonsubstantial modifications to the City's Industrial Pretreatment Program for these revisions will be provided within the required time frame.

4. In violations section, the minimum penalty of $1,000 must be corrected per 40 CFR Section 403.8. The penalty must be $1,000 per day for each violation. (Section 5)

Response: Specification of the minimum penalty of $1,000 per day for each violation will be added to both the SUO and ERP prior to July 1, 2014. Notification to the RWQCB of nonsubstantial modifications to the City's Industrial Pretreatment Program for these revisions will be provided within the required time frame.

1.3 Recommendations

1. The City's SUO includes a list of local limits but does not indicate the frequency of these limits. Permits define pollutant limits as an "instantaneous maximum." Therefore, this same definition should be provided in the SUO where local limits are listed. (Section 5)

Response: The City has issued SIU permits which specify grab and/or composite sampling requirements to determine compliance with local limits on a case-by-case, site-specific basis. The type of sampling required is determined based on which is most appropriate for each industrial user's specific situation. Each SIU permit clearly specifies the type of sample required (grab or composite) and that each sample must be representative of the sampling day and/or reporting period. Grab and/or composite samples may be used to determine compliance with local limits (instantaneous maximum limits / daily maximum limits). The Sewer Use Ordinance was developed to allow either type of sampling to monitor for local limits. To be more clear and specific, the SUO will be revised prior to July 1, 2014 to include the frequency definitions of local limits sampling. Notification to the RWQCB of

PRETREATMENT COMPLIANCE INSPECTION REPORT - RESPONSE SUBMITTAL, INDUSTRIAL PRETREATMENT PROGRAM, CITY OF STOCKTON

nonsubstantial modifications to the City's Industrial Pretreatment Program for these revisions will be provided within the required time frame.

2. Biochemical oxygen demand (BOD) and total suspended solids (TSS) are listed in the permits as discharge limits but are not in the SUO. These pollutants should not be enforced as part of the pretreatment program unless they are defined in the SUO as local or categorical pollutants of concern. BOD and TSS should be removed from the permits, or local limits need to be developed and included in the SUO. (Section 5)

Response: Stockton SIU permits specify discharge limitations for flow, BOD and TSS on a case-by-case, permit-specific basis. These capacities are purchased by the industrial user and are allocated and/or restricted based on availability of capacity in both the sewer collection system and wastewater treatment plant. These limits are specified in each individual SIU permit and become an enforceable permitted discharge limitation.

The City is currently considering applying BOD and TSS mass limits, through local limits development, as either daily or monthly maximums from all monitored industrial facilities discharging to the WWTP. This will occur when local limits are evaluated for revision after the capital improvement upgrades at the WWTP are completed.

3. Correction Order (CO) is listed in the acronyms list of the ERP, but it is not listed in the escalating enforcement response guide. In addition, CO was an enforcement taken against Hormel in 2012. There is no documentation or definition regarding CO and what negligence initiates CO enforcement. The ERP should be revised to clearly define CO and Notice of Violation (NOV). (Section 5)

Response: The definitions of Correction Order (CO) and Notice of Violation (NOV) will be added to the ERP prior to July 1, 2014. Notification to the RWQCB of nonsubstantial modifications to the City's Industrial Pretreatment Program for these revisions will be provided within the required time frame.

4. It is suggested that the local limits, which were initially developed in 1982, be updated. This effort should not proceed until upgrades at the WWTP are completed. (Section 3)

Response: Local limits will be evaluated for revision when the capital improvement upgrades at the WWTP are completed.

PRETREATMENT COMPLIANCE INSPECTION REPORT - RESPONSE SUBMITTAL, INDUSTRIAL PRETREATMENT PROGRAM, CITY OF STOCKTON

5. There is no definition of significant noncompliance (SNC) in the City's SUO. The City should consider adding this definition to the SUO. (Section 5)

Response: Currently, the Stockton Municipal Code (SMC) does not contain the entire 40 CFR 403 definition of SNC. The SMC defines SNC by referencing 40 CFR section 403 which defines SNC in its entirety. In addition, SMC section 13.08.490 sites pretreatment enforcement authority with the POTW's Enforcement Response Plan (ERP). The City's current ERP contains the complete definition of SNC, including the required Streamlining Rule change revisions. The City realizes the benefit of having the SUO be as specific as possible in this area and the definition of significant noncompliance will be added to the SUO prior to July 1, 2014. Notification to the RWQCB of nonsubstantial modifications to the City's Industrial Pretreatment Program for these revisions will be provided within the required time frame.

6. The inspectors suggested a two tier voluntary program to become proactive with controlling mercury discharges. The first includes an industrial survey to locate and catalog all dental facilities within the City service area. Subsequently, it is suggested that the City conduct a survey to determine which dentists currently use amalgam separators. (Section 11.3)

Response: The City will continue to evaluate the feasibility of implementing a dental amalgam reduction program. This is currently in the planning stages and a schedule for implementation of such a program has not been determined at this time. As staff time becomes available, the City would like to begin identifying all dental facilities within the sewer service area and develop a database as the first step in implementing a dental amalgam reduction program.

7. It is suggested that during future annual inspections, the City discuss United States Environmental Protection Agency (EPA) suggestions with all industrial laundries. The City can find further information on EPA's Safer Detergents Stewardship Initiative at http://www.epa.gov/dfe/pubs/projects/formulat/sdsi.htm and http://www.cleangredients.org/home. (Section 11.5)

Response: The EPA's Safer Detergents Stewardship Initiative (SDSI) program will be discussed and recommended to all current industrial laundry facilities during each future annual inspection visit. In addition, this topic will be discussed and recommended to all future industrial laundry facilities which begin operation in the City of Stockton sewer service area.

PRETREATMENT COMPLIANCE INSPECTION REPORT - RESPONSE SUBMITTAL, INDUSTRIAL PRETREATMENT PROGRAM, CITY OF STOCKTON

I appreciate the time and effort provided by the U.S. EPA, Regional Water Quality Control Board and CDM Smith in reviewing the City of Stockton's Industrial Pretreatment Program and providing requirements and recommendations that will assist in improving our program.

If you have any questions regarding this submittal, please contact Richard Stiffler, Technical Services Supervisor and Industrial Pretreatment Program Coordinator, at (209) 937-8740.

C. MEL LYTLE, Ph.D.
DIRECTOR OF MUNICIPAL UTILITIES

CML:RKS:mll

Enclosures: Pretreatment Compliance Inspection Report, August 2, 2013

RWQCB Letter, February 25, 2009: Notification of Non-Substantial Modification to City's Industrial Pretreatment Program.

RWQCB Letter, November 18, 2009: Notification of Non-Substantial Modification to City's Industrial Pretreatment Program.

cc: Amelia Whitson; Kenneth Greenberg; Luis Garcia-Bakarich, U.S. EPA Region 9, Clean Water Act Compliance Office (WTR-7) Water Division, 75 Hawthorne St., San Francisco, CA 94105

Mohammad Farhad, California Regional Water Quality Control Board, 11020 Sun Center Drive #200, Rancho Cordova, CA 95670-6114

emc: Russell Norman, Division of Water Quality, State Water Resources Control Board, NPDES_Wastewater@waterboards.ca.gov

Margaret Orr, City of Stockton, Deputy Director of Wastewater

Ba Than, City of Stockton, Deputy Director of Collections and Maintenance

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CITY OF STOCKTON
DEPARTMENT OF MUNICIPAL UTILITIES
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www.stocktongov.com

June 11, 2014

VIA CERTIFIED MAIL
Certified Article Number
[illegible]
SENDERS RECORD

Nichole Morgan, P.E.
Senior Water Resource Control Engineer
NPDES Compliance and Enforcement Unit
California Regional Water Quality Control Board
Central Valley Region
11020 Sun Center Drive #200
Rancho Cordova, CA 95670-6114

PRETREATMENT COMPLIANCE INSPECTION REPORT - REVISED RESPONSE SUBMITTAL, INDUSTRIAL PRETREATMENT PROGRAM, CITY OF STOCKTON

This letter is a revision to the previously submitted City's response to the Pretreatment Compliance Inspection (PCI) report, dated September 30, 2013 (copy enclosed).

A Pretreatment Compliance Audit (PCA) of the City's Industrial Pretreatment Program was conducted May 21st and 22nd of 2014 by PG Environmental and included a discussion of the proposed required modifications to the City's Sewer Use Ordinance (SUO) as indicated in the Pretreatment Compliance Inspection (PCI) report, dated August 2, 2013 (copy enclosed), and the City's response to that report, dated September 30, 2013 (copy enclosed). The PCI report was based on the City's PCI inspection conducted on March 27, 2013 by CDM Smith on behalf of the Regional Water Quality Control Board (RWQCB) and U.S. EPA (EPA).

The discussion included Best Management Practices streamlining provisions which were indicated in the PCI report as required modifications to the City's SUO. The indication from PG Environmental during the recent PCA was that these modifications are optional streamlining provisions and it was suggested by PG Environmental that the City contact Amelia Whitson, Pretreatment Coordinator for U.S. EPA Region 9 for further clarification on this matter.

The City proposes to investigate this matter further and contact EPA for clarification on this issue prior to any revisions to the SUO. Therefore, the proposed completion date for SUO modifications, which was originally indicated as July 1, 2014, will be delayed based on this additional investigation. The City is proposing to investigate this matter, seek a resolution and make all necessary SUO revisions at the soonest date possible. As required by 40CFR403.18(d)(1), notification to the RWQCB of a non-substantial modification to the City's Industrial Pretreatment Program will be provided at least 45 days prior to the effective date of these revisions.

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PRETREATMENT COMPLIANCE INSPECTION REPORT - REVISED RESPONSE SUBMITTAL, INDUSTRIAL PRETREATMENT PROGRAM, CITY OF STOCKTON

If you have any questions regarding this submittal, please contact Richard Stiffler, Technical Services Supervisor and Industrial Pretreatment Program Coordinator, at (209) 937-8740.

C. MEL LYTLE, Ph.D.
DIRECTOR OF MUNICIPAL UTILITIES

CML:RS:mll

Enclosures: Pretreatment Compliance Evaluation Inspection Report for the City of Stockton, August 2, 2013

Pretreatment Compliance Inspection Report - Response Submittal, Industrial Pretreatment Program, City Of Stockton, September 30, 2013

cc: Amelia Whitson; Kenneth Greenberg; Luis Garcia-Bakarich
U.S. EPA Region 9, Clean Water Act Compliance Office
(WTR-7) Water Division, 75 Hawthorne St., San Francisco, CA 94105

Mohammad Farhad, California Regional Water Quality Control Board,
11020 Sun Center Drive #200, Rancho Cordova, CA 95670-6114

emc: Russell Norman, Division of Water Quality, State Water Resources Control Board, NPDES_Wastewater@waterboards.ca.gov)

Margaret Orr, City of Stockton, Deputy Director of Wastewater

Ba Than, City of Stockton, Deputy Director of Maintenance and Collections

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SENDERS RECORD

Certified Article Number
9314 8699 0430 0003 8569 67
SENDERS RECORD

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CITY OF STOCKTON
Municipal Utilities Department

2014
PRETREATMENT PROGRAM ANNUAL REPORT

ATTACHMENT J

Priority Pollutant Analysis

Priority Pollutant Analysis

RWCF Influent and Effluent

April 8-9, 2014

Thursday, May 01, 2014

David Callas
City of Stockton MUD
2500 Navy Drive
Stockton, CA 95206

Re Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Collected By: Terrie Hinkle
PO/Contract #: 181796

Dear David Callas:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, April 09, 2014. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Enclosures

Project Manager: Danielle Regan

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1885 North Kelly Road • Napa, California 94558
(707) 258-4000 • Fax (707) 226-1001 • e-mail: info@caltestlabs.com

SAMPLE SUMMARY

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Lab ID	Sample ID	Matrix	Date Collected	Date Received
P040527001	EFF-001 / C: 04-08-14 (FE)	Water	04/09/2014 07:52	04/09/2014 19:47
P040527002	INF-001 / C: 04-08-14 (HW)	Water	04/09/2014 07:45	04/09/2014 19:47
P040527003	INF-001 (HW)	Water	04/09/2014 11:55	04/09/2014 19:47

nelac

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NARRATIVE

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

General Qualifiers and Notes

Caltest authorizes this report to be reproduced only in its entirety. Results are specific to the sample(s) as submitted and only to the parameter(s) reported.

Caltest certifies that all test results for wastewater and hazardous waste analyses meet all applicable NELAC requirements; all microbiology and drinking water testing meet applicable ELAP requirements, unless stated otherwise.

All analyses performed by EPA Methods or Standard Methods (SM) 20th Edition except where noted (SMOL=online edition).

Caltest collects samples in compliance with 40 CFR, EPA Methods, Cal. Title 22, and Standard Methods.

Dilution Factors (DF) reported greater than '1' have been used to adjust the result, Reporting Limit (RL), and Method Detection Limit (MDL).

All Solid, sludge, and/or biosolids data is reported in Wet Weight, unless otherwise specified.

Filtrations performed at Caltest for dissolved metals (excluding mercury) and/or pH analysis were not performed within the 15 minute holding time as specified by 40CFR 136.3 table II.

Results Qualifiers: Report fields may contain codes and non-numeric data correlating to one or more of the following definitions:

ND - Non Detect - indicates analytical result has not been detected.

RL - Reporting Limit is the quantitation limit at which the laboratory is able to detect an analyte. An analyte not detected at or above the RL is reported as ND unless otherwise noted or qualified. For analyses pertaining to the State Implementation Plan of the California Toxics Rule, the Caltest Reporting Limit (RL) is equivalent to the Minimum Level (ML). A standard is always run at or below the ML. Where Reporting Limits are elevated due to dilution, the ML calibration criteria has been met.

J - reflects estimated analytical result value detected below the Reporting Limit (RL) and above the Method Detection Limit (MDL). The 'J' flag is equivalent to the DNQ Estimated Concentration flag.

E - indicates an estimated analytical result value.

B - indicates the analyte has been detected in the blank associated with the sample.

NC - means not able to be calculated for RPD or Spike Recoveries.

SS - compound is a Surrogate Spike used per laboratory quality assurance manual.

NOTE: This document represents a complete Analytical Report for the samples referenced herein and should be retained as a permanent record thereof.

Qualifiers and Compound Notes

1	Analyte(s) reported as 'ND' means not detected at or above the listed Method Detection Limits (MDL).
2	Nitrate and/or Nitrite was detected in the sample. Sample was treated with Sulfamic Acid prior to analysis.
3	Sample analyzed as unpreserved in compliance with client provided EPA approved variance regarding method preservation.
4	Sample diluted due to a high concentration of non-target analyte(s), resulting in increased reporting limits.
5	The CN method requires the sample to be at pH >10. At the time of the analysis, the measured pH of the sample was 7.0.
6	Surrogates did not meet Caltest internal acceptance criteria. The sample passes all pertinent method criteria.
7	Due to matrix interferences present in the sample, surrogate recoveries failed to meet the QA/QC acceptance criteria.
8	Sample diluted prior to analysis in an effort to reduce matrix interferences resulting in higher reporting limit(s).

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ANALYTICAL RESULTS

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Lab ID P040527001 Date Collected 4/9/2014 07:52 Matrix Water
Sample ID EFF-001 / C: 04-08-14 (FE) Date Received 4/9/2014 19:47

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Mercury Analysis by FIMS, Low Level	**Prep Method:**		EPA 245.1			**Prep by:**	UK			
	Analytical Method:		EPA 245.1, Low Level					**Analyzed by:**	LM	
Mercury	ND	ug/L	0.050	0.030	1	04/22/14 00:00	MPR 12726	04/23/14 09:57	MHG 4608	1
Metals by ICPMS Collision Mode, Total	**Prep Method:**		EPA 200.8			**Prep by:**	UK			
	Analytical Method:		EPA 200.8					**Analyzed by:**	LM	
Antimony	J0.43	ug/L	0.50	0.050	1	04/18/14 00:00	MPR 12717	04/22/14 08:11	MMS 7180	
Arsenic	3.2	ug/L	0.50	0.060	1	04/18/14 00:00	MPR 12717	04/22/14 08:11	MMS 7180	
Beryllium	ND	ug/L	0.10	0.060	1	04/18/14 00:00	MPR 12717	04/22/14 08:11	MMS 7180	1
Cadmium	ND	ug/L	0.10	0.050	1	04/18/14 00:00	MPR 12717	04/22/14 08:11	MMS 7180	
Chromium	J0.08	ug/L	0.50	0.050	1	04/18/14 00:00	MPR 12717	04/22/14 08:11	MMS 7180	
Copper	J0.32	ug/L	0.50	0.070	1	04/18/14 00:00	MPR 12717	04/22/14 08:11	MMS 7180	
Lead	ND	ug/L	0.25	0.030	1	04/18/14 00:00	MPR 12717	04/22/14 08:11	MMS 7180	
Molybdenum	2.3	ug/L	0.25	0.050	1	04/18/14 00:00	MPR 12717	04/22/14 08:11	MMS 7180	
Nickel	1.7	ug/L	0.50	0.060	1	04/18/14 00:00	MPR 12717	04/22/14 08:11	MMS 7180	
Selenium	J0.44	ug/L	1.0	0.40	1	04/18/14 00:00	MPR 12717	04/22/14 08:11	MMS 7180	
Silver	ND	ug/L	0.10	0.020	1	04/18/14 00:00	MPR 12717	04/22/14 08:11	MMS 7180	
Thallium	ND	ug/L	0.10	0.050	1	04/18/14 00:00	MPR 12717	04/22/14 08:11	MMS 7180	
Zinc	1.7	ug/L	1.0	0.70	1	04/18/14 00:00	MPR 12717	04/22/14 08:11	MMS 7180	
Semivolatile Organic Analysis	**Prep Method:**		EPA 625			**Prep by:**	ECB			
	Analytical Method:		EPA 625					**Analyzed by:**	MDT	
Acenaphthene	ND	ug/L	0.3	0.010	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	1
Acenaphthylene	ND	ug/L	0.2	0.020	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Anthracene	ND	ug/L	0.3	0.010	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Benzidine	ND	ug/L	5.0	5.0	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Benzo(a)anthracene	ND	ug/L	0.3	0.020	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Benzo(a)pyrene	ND	ug/L	0.3	0.010	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Benzo(b)fluoranthene	ND	ug/L	0.3	0.010	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Benzo(g,h,i)perylene	ND	ug/L	0.1	0.020	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Benzo(k)fluoranthene	ND	ug/L	0.3	0.010	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Benzyl butyl phthalate	ND	ug/L	5.0	0.70	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
4-Bromophenyl phenyl ether	ND	ug/L	5.0	0.70	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
bis(2-Chloroethoxy) methane	ND	ug/L	5.0	0.90	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
bis(2-Chloroethyl) ether	ND	ug/L	1.0	0.70	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
bis(2-Chloroisopropyl) ether	ND	ug/L	2.0	0.60	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
4-Chloro-3-methylphenol	ND	ug/L	1.0	0.80	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
2-Chloronaphthalene	ND	ug/L	5.0	0.90	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
2-Chlorophenol	ND	ug/L	2.0	0.70	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
4-Chlorophenyl phenyl ether	ND	ug/L	5.0	0.90	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Chrysene	ND	ug/L	0.3	0.010	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Dibenzo(a,h)anthracene	ND	ug/L	0.1	0.020	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
3,3'-Dichlorobenzidine	ND	ug/L	5.0	5.0	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
2,4-Dichlorophenol	ND	ug/L	1.0	0.90	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Diethylphthalate	ND	ug/L	2.0	0.70	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
2,4-Dimethylphenol	ND	ug/L	2.0	0.80	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	

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ANALYTICAL RESULTS

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Lab ID **P040527001** Date Collected 4/9/2014 07:52 Matrix Water
Sample ID **EFF-001 / C: 04-08-14 (FE)** Date Received 4/9/2014 19:47

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Dimethylphthalate	ND	ug/L	2.0	0.90	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Di-n-butylphthalate	ND	ug/L	5.0	0.60	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
2,4-Dinitrophenol	ND	ug/L	5.0	0.90	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
2,4-Dinitrotoluene	ND	ug/L	5.0	0.70	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
2,6-Dinitrotoluene	ND	ug/L	5.0	0.80	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Di-n-octylphthalate	ND	ug/L	5.0	0.50	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
1,2-Diphenylhydrazine / Azobenzene	ND	ug/L	1.0	0.70	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
bis(2-Ethylhexyl) phthalate	ND	ug/L	3.0	0.60	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Fluoranthene	ND	ug/L	0.05	0.030	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Fluorene	ND	ug/L	0.1	0.010	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Hexachlorobenzene	ND	ug/L	1.0	0.70	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Hexachlorobutadiene	ND	ug/L	1.0	0.60	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Hexachlorocyclo pentadiene	ND	ug/L	1.0	0.70	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Hexachloroethane	ND	ug/L	1.0	0.60	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.05	0.020	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Isophorone	ND	ug/L	1.0	0.93	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
2-Methyl-4,6-dinitrophenol	ND	ug/L	5.0	0.60	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Naphthalene	ND	ug/L	0.2	0.020	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Nitrobenzene	ND	ug/L	1.0	0.90	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
2-Nitrophenol	ND	ug/L	5.0	0.80	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
4-Nitrophenol	ND	ug/L	5.0	0.50	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
N-Nitrosodimethylamine	ND	ug/L	5.0	0.50	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	0.80	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
N-Nitrosodiphenylamine	ND	ug/L	1.0	0.50	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Pentachlorophenol	ND	ug/L	1.0	0.60	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Phenanthrene	ND	ug/L	0.05	0.010	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Phenol	ND	ug/L	1.0	0.50	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Pyrene	ND	ug/L	0.05	0.020	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.60	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
2,4,6-Trichlorophenol	ND	ug/L	5.0	0.97	1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
2-Fluorobiphenyl (SS)	64	%	10-100		1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
2-Fluorophenol (SS)	43	%	10-100		1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Nitrobenzene-d5 (SS)	63	%	27-109		1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Phenol-d6 (SS)	32	%	12-100		1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
Terphenyl-d14 (SS)	123	%	35-153		1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	
2,4,6-Tribromophenol (SS)	101	%	32-148		1	04/15/14 14:26	SPR 6407	04/22/14 13:02	SMS 3426	

Chlorinated Pesticides & PCBs Analysis **Prep Method:** EPA 608 **Prep by:** ECB

Analytical Method: EPA 608 **Analyzed by:** NTA

Aldrin	ND	ug/L	0.005	0.0040	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	1
alpha-BHC	ND	ug/L	0.010	0.0050	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
beta-BHC	ND	ug/L	0.005	0.0040	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
delta-BHC	ND	ug/L	0.005	0.0040	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
gamma-BHC (Lindane)	ND	ug/L	0.010	0.0040	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
Chlordane	ND	ug/L	0.050	0.020	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	

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ANALYTICAL RESULTS

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Lab ID P040527001 Date Collected 4/9/2014 07:52 Matrix Water
Sample ID EFF-001 / C: 04-08-14 (FE) Date Received 4/9/2014 19:47

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
4,4'-DDD	ND	ug/L	0.010	0.0040	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
4,4'-DDE	ND	ug/L	0.010	0.0030	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
4,4'-DDT	ND	ug/L	0.010	0.0040	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
Dieldrin	ND	ug/L	0.010	0.0040	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
Endosulfan I	ND	ug/L	0.010	0.0040	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
Endosulfan II	ND	ug/L	0.010	0.0050	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
Endosulfan sulfate	ND	ug/L	0.010	0.0050	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
Endrin	ND	ug/L	0.010	0.0050	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
Endrin aldehyde	ND	ug/L	0.010	0.0050	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
Endrin ketone	ND	ug/L	0.010	0.0050	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
Heptachlor	ND	ug/L	0.010	0.0050	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
Heptachlor epoxide	ND	ug/L	0.010	0.0040	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
Methoxychlor	ND	ug/L	0.010	0.0050	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
PCB 1016	ND	ug/L	0.10	0.050	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
PCB 1221	ND	ug/L	0.10	0.050	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
PCB 1232	ND	ug/L	0.10	0.050	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
PCB 1242	ND	ug/L	0.10	0.040	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
PCB 1248	ND	ug/L	0.10	0.050	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
PCB 1254	ND	ug/L	0.10	0.050	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
PCB 1260	ND	ug/L	0.10	0.050	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
Toxaphene	ND	ug/L	0.5	0.30	1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
Decachlorobiphenyl (SS)	74	%	10-195		1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
Tetrachloro-m-xylene (SS)	81	%	25-105		1	04/15/14 14:24	SPR 6404	04/24/14 12:05	SMS 3428	
Cyanide, Total Analysis, Unpreserved	**Analytical Method:**		SM20-4500-CN C&E					**Analyzed by:**	BCP	
Cyanide	J2.0	ug/L	3	0.90	1			04/17/14 16:53	WCO 9729	3,2

Lab ID P040527002 Date Collected 4/9/2014 07:45 Matrix Water
Sample ID INF-001 / C: 04-08-14 (HW) Date Received 4/9/2014 19:47

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Mercury Analysis by FIMS, Low Level	**Prep Method:**		EPA 245.1			**Prep by:**	UK			
	Analytical Method:		EPA 245.1, Low Level					**Analyzed by:**	LM	
Mercury	0.35	ug/L	0.050	0.030	1	04/22/14 00:00	MPR 12726	04/23/14 10:41	MHG 4608	
Metals by ICPMS Collision Mode, Total	**Prep Method:**		EPA 200.8			**Prep by:**	UK			
	Analytical Method:		EPA 200.8					**Analyzed by:**	LM	
Antimony	0.93	ug/L	0.50	0.050	1	04/18/14 00:00	MPR 12717	04/22/14 09:03	MMS 7180	
Arsenic	5.5	ug/L	0.50	0.060	1	04/18/14 00:00	MPR 12717	04/22/14 09:03	MMS 7180	
Beryllium	ND	ug/L	0.10	0.060	1	04/18/14 00:00	MPR 12717	04/22/14 09:03	MMS 7180	1
Cadmium	0.29	ug/L	0.10	0.050	1	04/18/14 00:00	MPR 12717	04/22/14 09:03	MMS 7180	
Chromium	6.0	ug/L	0.50	0.050	1	04/18/14 00:00	MPR 12717	04/22/14 09:03	MMS 7180	
Copper	61	ug/L	0.50	0.070	1	04/18/14 00:00	MPR 12717	04/22/14 09:03	MMS 7180	
Lead	5.1	ug/L	0.25	0.030	1	04/18/14 00:00	MPR 12717	04/22/14 09:03	MMS 7180	

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ANALYTICAL RESULTS

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Lab ID **P040527002** Date Collected 4/9/2014 07:45 Matrix Water
Sample ID **INF-001 / C: 04-08-14 (HW)** Date Received 4/9/2014 19:47

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Molybdenum	18	ug/L	0.25	0.050	1	04/18/14 00:00	MPR 12717	04/22/14 09:03	MMS 7180	
Nickel	6.0	ug/L	0.50	0.060	1	04/18/14 00:00	MPR 12717	04/22/14 09:03	MMS 7180	
Selenium	1.0	ug/L	1.0	0.40	1	04/18/14 00:00	MPR 12717	04/22/14 09:03	MMS 7180	
Silver	0.48	ug/L	0.10	0.020	1	04/18/14 00:00	MPR 12717	04/22/14 09:03	MMS 7180	
Thallium	ND	ug/L	0.10	0.050	1	04/18/14 00:00	MPR 12717	04/22/14 09:03	MMS 7180	
Zinc	280	ug/L	10	1.4	2	04/18/14 00:00	MPR 12717	04/25/14 16:11	MMS 7180	
Semivolatile Organic Analysis	**Prep Method:**		EPA 625			**Prep by:**	ECB			
	Analytical Method:		EPA 625					**Analyzed by:**	MDT	
Acenaphthene	ND	ug/L	0.25	0.05	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	4
Acenaphthylene	ND	ug/L	0.25	0.1	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Anthracene	ND	ug/L	0.25	0.05	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Benzidine	ND	ug/L	25	20	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Benzo(a)anthracene	ND	ug/L	0.25	0.1	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Benzo(a)pyrene	ND	ug/L	0.25	0.05	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Benzo(b)fluoranthene	ND	ug/L	0.25	0.05	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Benzo(g,h,i)perylene	ND	ug/L	0.25	0.1	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Benzo(k)fluoranthene	ND	ug/L	0.25	0.05	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Benzyl butyl phthalate	J3.9	ug/L	10	3.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
4-Bromophenyl phenyl ether	ND	ug/L	10	3.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
bis(2-Chloroethoxy) methane	ND	ug/L	5.0	4.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	3.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.0	3.0	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
4-Chloro-3-methylphenol	ND	ug/L	5.0	4.0	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
2-Chloronaphthalene	ND	ug/L	5.0	4.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
2-Chlorophenol	ND	ug/L	10	3.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
4-Chlorophenyl phenyl ether	ND	ug/L	10	4.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Chrysene	ND	ug/L	0.25	0.05	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Dibenzo(a,h)anthracene	ND	ug/L	0.25	0.1	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
3,3'-Dichlorobenzidine	ND	ug/L	25	20	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
2,4-Dichlorophenol	ND	ug/L	5.0	4.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Diethylphthalate	J3.6	ug/L	5.0	3.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
2,4-Dimethylphenol	ND	ug/L	5.0	4.0	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Dimethylphthalate	ND	ug/L	5.0	4.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Di-n-butylphthalate	ND	ug/L	5.0	3.0	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
2,4-Dinitrophenol	ND	ug/L	10	4.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
2,4-Dinitrotoluene	ND	ug/L	5.0	3.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
2,6-Dinitrotoluene	ND	ug/L	5.0	4.0	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Di-n-octylphthalate	ND	ug/L	5.0	2.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
1,2-Diphenylhydrazine / Azobenzene	ND	ug/L	5.0	3.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
bis(2-Ethylhexyl) phthalate	24	ug/L	5.0	3.0	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Fluoranthene	ND	ug/L	0.25	0.2	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Fluorene	ND	ug/L	0.25	0.05	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Hexachlorobenzene	ND	ug/L	5.0	3.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Hexachlorobutadiene	ND	ug/L	5.0	3.0	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	

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ANALYTICAL RESULTS

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Lab ID **P040527002** Date Collected 4/9/2014 07:45 Matrix Water
Sample ID **INF-001 / C: 04-08-14 (HW)** Date Received 4/9/2014 19:47

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Hexachlorocyclo pentadiene	ND	ug/L	5.0	3.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Hexachloroethane	ND	ug/L	5.0	3.0	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.25	0.1	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Isophorone	ND	ug/L	5.0	4.6	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
2-Methyl-4,6-dinitrophenol	ND	ug/L	10	3.0	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Naphthalene	ND	ug/L	0.25	0.1	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Nitrobenzene	ND	ug/L	5.0	4.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
2-Nitrophenol	ND	ug/L	10	4.0	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
4-Nitrophenol	ND	ug/L	5.0	2.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
N-Nitrosodimethylamine	ND	ug/L	5.0	2.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	4.0	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
N-Nitrosodiphenylamine	ND	ug/L	5.0	2.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Pentachlorophenol	ND	ug/L	5.0	3.0	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Phenanthrene	ND	ug/L	0.25	0.05	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Phenol	13	ug/L	5.0	2.5	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Pyrene	ND	ug/L	0.25	0.1	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	3.0	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
2,4,6-Trichlorophenol	ND	ug/L	10	4.8	5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
2-Fluorobiphenyl (SS)	59	%	10-100		5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
2-Fluorophenol (SS)	32	%	10-100		5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Nitrobenzene-d5 (SS)	71	%	27-109		5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Phenol-d6 (SS)	25	%	12-100		5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Terphenyl-d14 (SS)	98	%	35-153		5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
2,4,6-Tribromophenol (SS)	70	%	32-148		5	04/15/14 14:26	SPR 6407	04/22/14 17:46	SMS 3426	
Chlorinated Pesticides & PCBs Analysis	**Prep Method:**		EPA 608			**Prep by:**	ECB			
	Analytical Method:		EPA 608					**Analyzed by:**	NTA	
Aldrin	ND	ug/L	0.050	0.0080	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	1,4
alpha-BHC	ND	ug/L	0.050	0.010	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
beta-BHC	ND	ug/L	0.050	0.0080	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
delta-BHC	ND	ug/L	0.050	0.0080	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.0080	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
Chlordane	ND	ug/L	0.50	0.040	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
4,4'-DDD	ND	ug/L	0.10	0.0080	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
4,4'-DDE	ND	ug/L	0.10	0.0060	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
4,4'-DDT	ND	ug/L	0.10	0.0080	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
Dieldrin	ND	ug/L	0.10	0.0080	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
Endosulfan I	ND	ug/L	0.050	0.0080	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
Endosulfan II	ND	ug/L	0.10	0.010	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
Endosulfan sulfate	ND	ug/L	0.10	0.010	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
Endrin	ND	ug/L	0.10	0.010	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
Endrin aldehyde	ND	ug/L	0.050	0.010	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
Endrin ketone	ND	ug/L	0.10	0.010	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
Heptachlor	ND	ug/L	0.050	0.010	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
Heptachlor epoxide	ND	ug/L	0.050	0.0080	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	

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ANALYTICAL RESULTS

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Lab ID P040527002 Date Collected 4/9/2014 07:45 Matrix Water
Sample ID INF-001 / C: 04-08-14 (HW) Date Received 4/9/2014 19:47

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Methoxychlor	ND	ug/L	0.50	0.010	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
PCB 1016	ND	ug/L	0.20	0.10	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
PCB 1221	ND	ug/L	0.20	0.10	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
PCB 1232	ND	ug/L	0.20	0.10	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
PCB 1242	ND	ug/L	0.20	0.080	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
PCB 1248	ND	ug/L	0.20	0.10	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
PCB 1254	ND	ug/L	0.20	0.10	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
PCB 1260	ND	ug/L	0.20	0.10	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
Toxaphene	ND	ug/L	1.0	0.60	2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
Decachlorobiphenyl (SS)	6	%	10-195		2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	7,6
Tetrachloro-m-xylene (SS)	87	%	25-105		2	04/15/14 14:24	SPR 6404	04/24/14 16:11	SMS 3428	
Cyanide, Total Analysis	**Analytical Method:**		SM20-4500-CN C&E					**Analyzed by:**	BCP	
Cyanide	J1.7	ug/L	3	0.90	1			04/17/14 00:00	WCO 9729	5,2

Lab ID P040527003 Date Collected 4/9/2014 11:55 Matrix Water
Sample ID INF-001 (HW) Date Received 4/9/2014 19:47

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Volatile Organic Analysis	**Analytical Method:**		EPA 624					**Analyzed by:**	AN	
Acrolein	ND	ug/L	20	8.5	5			04/11/14 20:29	VMS 3018	8
Acrylonitrile	ND	ug/L	10	5.0	5			04/11/14 20:29	VMS 3018	
Benzene	ND	ug/L	2.5	0.90	5			04/11/14 20:29	VMS 3018	
Bromodichloromethane	ND	ug/L	2.5	0.80	5			04/11/14 20:29	VMS 3018	
Bromoform	ND	ug/L	2.5	1.0	5			04/11/14 20:29	VMS 3018	
Bromomethane (Methyl Bromide)	ND	ug/L	2.5	0.85	5			04/11/14 20:29	VMS 3018	
Carbon tetrachloride	ND	ug/L	2.5	0.80	5			04/11/14 20:29	VMS 3018	
Chlorobenzene	ND	ug/L	2.5	0.90	5			04/11/14 20:29	VMS 3018	
Chloroethane (Ethyl Chloride)	ND	ug/L	2.5	1.9	5			04/11/14 20:29	VMS 3018	
2-Chloroethyl vinyl ether	ND	ug/L	5.0	1.4	5			04/11/14 20:29	VMS 3018	
Chloroform	7.7	ug/L	2.5	0.95	5			04/11/14 20:29	VMS 3018	
Chloromethane(Methyl Chloride)	ND	ug/L	2.5	1.2	5			04/11/14 20:29	VMS 3018	
Dibromochloromethane	ND	ug/L	2.5	0.85	5			04/11/14 20:29	VMS 3018	
1,2-Dichlorobenzene	ND	ug/L	2.5	1.4	5			04/11/14 20:29	VMS 3018	
1,3-Dichlorobenzene	ND	ug/L	2.5	0.90	5			04/11/14 20:29	VMS 3018	
1,4-Dichlorobenzene	ND	ug/L	2.5	0.90	5			04/11/14 20:29	VMS 3018	
Dichlorodifluoromethane (F-12)	ND	ug/L	2.5	1.5	5			04/11/14 20:29	VMS 3018	
1,1-Dichloroethane	ND	ug/L	2.5	0.95	5			04/11/14 20:29	VMS 3018	
1,2-Dichloroethane (EDC)	ND	ug/L	2.5	0.90	5			04/11/14 20:29	VMS 3018	
1,1-Dichloroethene	ND	ug/L	2.5	1.0	5			04/11/14 20:29	VMS 3018	
cis-1,2-Dichloroethene	ND	ug/L	2.5	1.0	5			04/11/14 20:29	VMS 3018	
trans-1,2-Dichloroethene	ND	ug/L	2.5	1.1	5			04/11/14 20:29	VMS 3018	
1,2-Dichloropropane	ND	ug/L	2.5	0.90	5			04/11/14 20:29	VMS 3018	
cis-1,3-Dichloropropene	ND	ug/L	2.5	0.80	5			04/11/14 20:29	VMS 3018	

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ANALYTICAL RESULTS

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Lab ID **P040527003** Date Collected 4/9/2014 11:55 Matrix Water
Sample ID **INF-001 (HW)** Date Received 4/9/2014 19:47

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
trans-1,3-Dichloropropene	ND	ug/L	2.5	0.80	5			04/11/14 20:29	VMS 3018	
Dichlorotrifluoroethane (F123)	ND	ug/L	2.5	0.70	5			04/11/14 20:29	VMS 3018	
Ethylbenzene	ND	ug/L	2.5	1.3	5			04/11/14 20:29	VMS 3018	
Methyl tert-butyl ether (MTBE)	ND	ug/L	2.5	0.75	5			04/11/14 20:29	VMS 3018	
Methylene chloride	ND	ug/L	2.5	1.5	5			04/11/14 20:29	VMS 3018	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.5	1.0	5			04/11/14 20:29	VMS 3018	
Tetrachloroethene (PCE)	ND	ug/L	2.5	0.95	5			04/11/14 20:29	VMS 3018	
Toluene	14	ug/L	2.5	0.95	5			04/11/14 20:29	VMS 3018	
1,1,2-Trichloroethane	ND	ug/L	2.5	0.80	5			04/11/14 20:29	VMS 3018	
1,1,1-Trichloroethane (TCA)	ND	ug/L	2.5	0.95	5			04/11/14 20:29	VMS 3018	
Trichloroethene (TCE)	ND	ug/L	2.5	1.0	5			04/11/14 20:29	VMS 3018	
Trichlorofluoromethane (F-11)	ND	ug/L	2.5	1.4	5			04/11/14 20:29	VMS 3018	
Trichlorotrifluorethane (F113)	ND	ug/L	2.5	0.55	5			04/11/14 20:29	VMS 3018	
Vinyl chloride	ND	ug/L	2.5	1.2	5			04/11/14 20:29	VMS 3018	
Xylenes, total	ND	ug/L	2.5	1.3	5			04/11/14 20:29	VMS 3018	
4-Bromofluorobenzene (SS)	100	%	85-115		5			04/11/14 20:29	VMS 3018	
Dibromofluoromethane (SS)	103	%	85-115		5			04/11/14 20:29	VMS 3018	
1,2-Dichloroethane-d4 (SS)	98	%	75-125		5			04/11/14 20:29	VMS 3018	
Toluene-d8 (SS)	100	%	90-121		5			04/11/14 20:29	VMS 3018	

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QUALITY CONTROL DATA

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Analysis Description:	Metals by ICPMS Collision Mode, Total	**QC Batch:**	MPR/12717
Analysis Method:	EPA 200.8	**QC Batch Method:**	EPA 200.8

METHOD BLANK: 578371

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Antimony	ND	0.50	0.05	ug/L	
Arsenic	ND	0.50	0.06	ug/L	
Beryllium	ND	0.10	0.06	ug/L	
Cadmium	ND	0.10	0.05	ug/L	
Chromium	ND	0.50	0.05	ug/L	
Copper	ND	0.50	0.07	ug/L	
Lead	ND	0.25	0.03	ug/L	
Molybdenum	ND	0.25	0.05	ug/L	
Nickel	ND	0.50	0.06	ug/L	
Selenium	ND	1.0	0.40	ug/L	
Silver	ND	0.10	0.02	ug/L	
Thallium	ND	0.10	0.05	ug/L	
Zinc	ND	10	0.7	ug/L	

LABORATORY CONTROL SAMPLE: 578372

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% REC Limits	Qualifier
Antimony	ug/L	20	21	106	85-115	
Arsenic	ug/L	20	18	92	85-115	
Beryllium	ug/L	20	19	96	85-115	
Cadmium	ug/L	20	20	99	85-115	
Chromium	ug/L	20	18	92	85-115	
Copper	ug/L	20	19	95	85-115	
Lead	ug/L	20	21	103	85-115	
Molybdenum	ug/L	20	18	91	85-115	
Nickel	ug/L	20	19	96	85-115	
Selenium	ug/L	20	18	89	85-115	
Silver	ug/L	20	19	95	85-115	
Thallium	ug/L	20	19	93	85-115	
Zinc	ug/L	20	19	95	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 578374 578375

Parameter	Units	P040518003 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Antimony	ug/L	0.6	20	23	22	110	109	70-130	0.7	20	
Arsenic	ug/L	21	20	40	40	97	97	70-130	0.2	20	
Beryllium	ug/L	0	20	19	19	95	93	70-130	2.1	20	
Cadmium	ug/L	0	20	19	19	96	96	70-130	0.6	20	
Chromium	ug/L	0.42	20	20	20	96	96	70-130	0.2	20	
Copper	ug/L	2.9	20	21	21	91	90	70-130	1	20	

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QUALITY CONTROL DATA

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Analysis Description:	Metals by ICPMS Collision Mode, Total	**QC Batch:**	MPR/12717
Analysis Method:	EPA 200.8	**QC Batch Method:**	EPA 200.8

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 578374 578375

Parameter	Units	P040518003 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Lead	ug/L	0.05	20	20	20	102	101	70-130	0.7	20	
Molybdenum	ug/L	2	20	22	22	100	100	70-130	0.3	20	
Nickel	ug/L	1.6	20	21	21	96	95	70-130	0.6	20	
Selenium	ug/L	0.55	20	19	19	94	94	70-130	0.6	20	
Silver	ug/L	0	20	19	18	93	92	70-130	2	20	
Thallium	ug/L	0	20	19	19	95	95	70-130	0.8	20	
Zinc	ug/L	19	20	35	35	81	82	70-130	0.3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 578376 578377

Parameter	Units	P040527001 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Antimony	ug/L	0.43	20	22	23	109	111	70-130	1.5	20	
Arsenic	ug/L	3.2	20	23	24	101	102	70-130	0.8	20	
Beryllium	ug/L	0	20	19	19	97	94	70-130	3.1	20	
Cadmium	ug/L	0	20	19	20	95	98	70-130	2.6	20	
Chromium	ug/L	0.08	20	19	20	97	98	70-130	0.9	20	
Copper	ug/L	0.32	20	19	19	94	95	70-130	0.9	20	
Lead	ug/L	0	20	20	20	100	101	70-130	0.6	20	
Molybdenum	ug/L	2.3	20	22	23	99	103	70-130	3.5	20	
Nickel	ug/L	1.7	20	21	21	98	97	70-130	1.2	20	
Selenium	ug/L	0.44	20	19	19	94	95	70-130	1.6	20	
Silver	ug/L	0	20	18	18	91	92	70-130	1.1	20	
Thallium	ug/L	0	20	18	19	92	94	70-130	1.6	20	
Zinc	ug/L	1.7	20	19	19	88	88	70-130	0.1	20	

Analysis Description:	Mercury Analysis by FIMS, Low Level	**QC Batch:**	MPR/12726
Analysis Method:	EPA 245.1, Low Level	**QC Batch Method:**	EPA 245.1

METHOD BLANK: 578845

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Mercury	ND	0.050	0.030	ug/L	

LABORATORY CONTROL SAMPLE: 578846

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% REC Limits	Qualifier
Mercury	ug/L	1	0.95	95	80-120	

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QUALITY CONTROL DATA

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Analysis Description:	Mercury Analysis by FIMS, Low Level	**QC Batch:**	MPR/12726
Analysis Method:	EPA 245.1, Low Level	**QC Batch Method:**	EPA 245.1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 578848 578849

Parameter	Units	P040527001 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Mercury	ug/L	0	1	0.89	0.87	89	87	80-120	1.2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 578852 578853

Parameter	Units	P040554002 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Mercury	ug/L	0.048	1	0.96	0.94	91	89	80-120	2	20	

Analysis Description:	Semivolatile Organic Analysis	**QC Batch:**	SPR/6407
Analysis Method:	EPA 625	**QC Batch Method:**	EPA 625

METHOD BLANK: 577304

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Acenaphthene	ND	0.05	0.01	ug/L	
Acenaphthylene	ND	0.05	0.02	ug/L	
Anthracene	ND	0.05	0.01	ug/L	
Benzidine	ND	5.0	5.0	ug/L	
Benzo(a)anthracene	ND	0.05	0.02	ug/L	
Benzo(a)pyrene	ND	0.05	0.01	ug/L	
Benzo(b)fluoranthene	ND	0.05	0.01	ug/L	
Benzo(g,h,i)perylene	ND	0.05	0.02	ug/L	
Benzo(k)fluoranthene	ND	0.05	0.01	ug/L	
Benzyl butyl phthalate	ND	2.0	0.7	ug/L	
4-Bromophenyl phenyl ether	ND	2.0	0.7	ug/L	
bis(2-Chloroethoxy) methane	ND	1.0	0.9	ug/L	
bis(2-Chloroethyl) ether	ND	1.0	0.7	ug/L	
bis(2-Chloroisopropyl) ether	ND	1.0	0.6	ug/L	
4-Chloro-3-methylphenol	ND	1.0	0.8	ug/L	
2-Chloronaphthalene	ND	1.0	0.9	ug/L	
2-Chlorophenol	ND	2.0	0.7	ug/L	
4-Chlorophenyl phenyl ether	ND	2.0	0.9	ug/L	
Chrysene	ND	0.05	0.01	ug/L	
Dibenzo(a,h)anthracene	ND	0.05	0.02	ug/L	
3,3'-Dichlorobenzidine	ND	5.0	5.0	ug/L	
2,4-Dichlorophenol	ND	1.0	0.9	ug/L	
Diethylphthalate	ND	1.0	0.7	ug/L	
2,4-Dimethylphenol	ND	1.0	0.8	ug/L	
Dimethylphthalate	ND	1.0	0.9	ug/L	
Di-n-butylphthalate	ND	1.0	0.6	ug/L	
2,4-Dinitrophenol	ND	2.0	0.9	ug/L	
2,4-Dinitrotoluene	ND	1.0	0.7	ug/L	
2,6-Dinitrotoluene	ND	1.0	0.8	ug/L	

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QUALITY CONTROL DATA

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Analysis Description:	Semivolatile Organic Analysis	**QC Batch:**	SPR/6407
Analysis Method:	EPA 625	**QC Batch Method:**	EPA 625

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Di-n-octylphthalate	ND	1.0	0.5	ug/L	
1,2Diphenylhydrazine/Azobenzen	ND	1.0	0.7	ug/L	
bis(2-Ethylhexyl) phthalate	ND	1.0	0.6	ug/L	
Fluoranthene	ND	0.05	0.03	ug/L	
Fluorene	ND	0.05	0.01	ug/L	
Hexachlorobenzene	ND	1.0	0.7	ug/L	
Hexachlorobutadiene	ND	1.0	0.6	ug/L	
Hexachlorocyclo pentadiene	ND	1.0	0.7	ug/L	
Hexachloroethane	ND	1.0	0.6	ug/L	
Indeno(1,2,3-cd)pyrene	ND	0.05	0.02	ug/L	
Isophorone	ND	1.0	0.9	ug/L	
2-Methyl-4,6-dinitrophenol	ND	2.0	0.6	ug/L	
Naphthalene	ND	0.05	0.02	ug/L	
Nitrobenzene	ND	1.0	0.9	ug/L	
2-Nitrophenol	ND	2.0	0.8	ug/L	
4-Nitrophenol	ND	1.0	0.5	ug/L	
N-Nitrosodimethylamine	ND	1.0	0.5	ug/L	
N-Nitroso-di-n-propylamine	ND	1.0	0.8	ug/L	
N-Nitrosodiphenylamine	ND	1.0	0.5	ug/L	
Pentachlorophenol	ND	1.0	0.6	ug/L	
Phenanthrene	ND	0.05	0.01	ug/L	
Phenol	ND	1.0	0.5	ug/L	
Pyrene	ND	0.05	0.02	ug/L	
1,2,4-Trichlorobenzene	ND	1.0	0.6	ug/L	
2,4,6-Trichlorophenol	ND	2.0	1	ug/L	
2-Fluorobiphenyl (SS)	82	10-100		%	
2-Fluorophenol (SS)	61	10-100		%	
Nitrobenzene-d5 (SS)	86	27-109		%	
Phenol-d6 (SS)	43	12-100		%	
Terphenyl-d14 (SS)	121	35-153		%	
2,4,6-Tribromophenol (SS)	114	32-148		%	

LABORATORY CONTROL SAMPLE: 577305

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% REC Limits	Qualifier
Acenaphthene	ug/L	50	52	103	47-145	
Acenaphthylene	ug/L	50	50	100	33-145	
Anthracene	ug/L	50	58	116	27-133	
Benzo(a)anthracene	ug/L	50	52	104	33-143	
Benzo(a)pyrene	ug/L	50	64	129	17-163	
Benzo(b)fluoranthene	ug/L	50	77	153	24-159	
Benzo(g,h,i)perylene	ug/L	50	59	119	1-219	
Benzo(k)fluoranthene	ug/L	50	54	107	11-162	
Benzyl butyl phthalate	ug/L	50	55	110	1-152	

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QUALITY CONTROL DATA

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Analysis Description:	Semivolatile Organic Analysis	**QC Batch:**	SPR/6407
Analysis Method:	EPA 625	**QC Batch Method:**	EPA 625

LABORATORY CONTROL SAMPLE: 577305

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% REC Limits	Qualifier
4-Bromophenyl phenyl ether	ug/L	50	55	110	53-127	
bis(2-Chloroethoxy) methane	ug/L	50	44	89	33-184	
bis(2-Chloroethyl) ether	ug/L	50	49	98	12-158	
bis(2-Chloroisopropyl) ether	ug/L	50	48	96	36-166	
4-Chloro-3-methylphenol	ug/L	100	100	104	22-147	
2-Chloronaphthalene	ug/L	50	47	94	60-118	
2-Chlorophenol	ug/L	100	92	92	23-134	
4-Chlorophenyl phenyl ether	ug/L	50	53	106	25-158	
Chrysene	ug/L	50	57	113	17-168	
Dibenzo(a,h)anthracene	ug/L	50	66	133	1-227	
3,3'-Dichlorobenzidine	ug/L	50	47	95	1-262	
2,4-Dichlorophenol	ug/L	100	98	99	39-135	
Diethylphthalate	ug/L	50	47	94	1-114	
2,4-Dimethylphenol	ug/L	100	110	106	32-119	
Dimethylphthalate	ug/L	50	47	94	1-112	
Di-n-butylphthalate	ug/L	50	56	112	1-118	
2,4-Dinitrophenol	ug/L	100	130	127	1-191	
2,4-Dinitrotoluene	ug/L	50	68	137	39-139	
2,6-Dinitrotoluene	ug/L	50	63	126	50-158	
Di-n-octylphthalate	ug/L	50	53	106	4-146	
bis(2-Ethylhexyl) phthalate	ug/L	50	50	99	8-158	
Fluoranthene	ug/L	50	61	123	26-137	
Fluorene	ug/L	50	55	110	59-121	
Hexachlorobenzene	ug/L	50	57	114	1-152	
Hexachlorobutadiene	ug/L	50	41	83	24-116	
Hexachloroethane	ug/L	50	38	77	38-113	
Indeno(1,2,3-cd)pyrene	ug/L	50	67	135	1-171	
Isophorone	ug/L	50	51	102	21-196	
2-Methyl-4,6-dinitrophenol	ug/L	100	120	121	1-181	
Naphthalene	ug/L	50	44	87	21-133	
Nitrobenzene	ug/L	50	47	93	35-180	
2-Nitrophenol	ug/L	100	110	106	29-182	
4-Nitrophenol	ug/L	100	64	64	1-132	
N-Nitroso-di-n-propylamine	ug/L	50	48	97	1-230	
Pentachlorophenol	ug/L	100	150	146	14-176	
Phenanthrene	ug/L	50	59	119	54-120	
Phenol	ug/L	100	45	45	5-112	
Pyrene	ug/L	50	54	108	52-115	
1,2,4-Trichlorobenzene	ug/L	50	43	85	43-142	
2,4,6-Trichlorophenol	ug/L	100	130	129	37-144	
2-Fluorobiphenyl (SS)	%			97	10-100	
2-Fluorophenol (SS)	%			67	10-100	
Nitrobenzene-d5 (SS)	%			97	27-109	
Phenol-d6 (SS)	%			48	12-100	

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QUALITY CONTROL DATA

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Analysis Description:	Semivolatile Organic Analysis	**QC Batch:**	SPR/6407
Analysis Method:	EPA 625	**QC Batch Method:**	EPA 625

LABORATORY CONTROL SAMPLE: 577305

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% REC Limits	Qualifier
Terphenyl-d14 (SS)	%			113	35-153	
2,4,6-Tribromophenol (SS)	%			120	32-148	

Analysis Description:	Chlorinated Pesticides & PCBs Analysis	**QC Batch:**	SPR/6404
Analysis Method:	EPA 608	**QC Batch Method:**	EPA 608

METHOD BLANK: 577284

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Aldrin	ND	0.050	0.004	ug/L	
alpha-BHC	ND	0.050	0.005	ug/L	
beta-BHC	ND	0.050	0.004	ug/L	
delta-BHC	ND	0.050	0.004	ug/L	
gamma-BHC (Lindane)	ND	0.050	0.004	ug/L	
Chlordane	ND	0.50	0.020	ug/L	
4,4'-DDD	ND	0.10	0.004	ug/L	
4,4'-DDE	ND	0.10	0.003	ug/L	
4,4'-DDT	ND	0.10	0.004	ug/L	
Dieldrin	ND	0.10	0.004	ug/L	
Endosulfan I	ND	0.050	0.004	ug/L	
Endosulfan II	ND	0.10	0.005	ug/L	
Endosulfan sulfate	ND	0.10	0.005	ug/L	
Endrin	ND	0.10	0.005	ug/L	
Endrin aldehyde	ND	0.050	0.005	ug/L	
Endrin ketone	ND	0.10	0.005	ug/L	
Heptachlor	ND	0.050	0.005	ug/L	
Heptachlor epoxide	ND	0.050	0.004	ug/L	
Methoxychlor	ND	0.50	0.005	ug/L	
PCB 1016	ND	0.10	0.050	ug/L	
PCB 1221	ND	0.10	0.050	ug/L	
PCB 1232	ND	0.10	0.050	ug/L	
PCB 1242	ND	0.10	0.040	ug/L	
PCB 1248	ND	0.10	0.050	ug/L	
PCB 1254	ND	0.10	0.050	ug/L	
PCB 1260	ND	0.10	0.050	ug/L	
Toxaphene	ND	1.0	0.3	ug/L	
Decachlorobiphenyl (SS)	72	30-190		%	
Tetrachloro-m-xylene (SS)	69	25-105		%	

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QUALITY CONTROL DATA

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Analysis Description:	Chlorinated Pesticides & PCBs Analysis	**QC Batch:**	SPR/6404
Analysis Method:	EPA 608	**QC Batch Method:**	EPA 608

LABORATORY CONTROL SAMPLE & LCSD: 577285 577286

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% REC Limits	RPD	Max RPD	Qualifier
Aldrin	ug/L	0.2	0.15	0.14	77	73	42-122	6	24	
alpha-BHC	ug/L	0.2	0.15	0.15	77	74	37-134	4.7	30	
beta-BHC	ug/L	0.2	0.12	0.12	62	60	17-147	3.3	30	
delta-BHC	ug/L	0.2	0.14	0.13	70	67	19-140	3.7	30	
gamma-BHC (Lindane)	ug/L	0.2	0.14	0.13	68	65	32-127	4.5	20	
4,4'-DDD	ug/L	0.2	0.18	0.18	92	89	31-141	3.3	30	
4,4'-DDE	ug/L	0.2	0.16	0.15	79	76	30-145	3.9	30	
4,4'-DDT	ug/L	0.2	0.19	0.18	94	92	25-160	2.7	19	
Dieldrin	ug/L	0.2	0.17	0.16	85	81	36-146	4.8	17	
Endosulfan I	ug/L	0.2	0.16	0.16	82	78	45-153	4.1	30	
Endosulfan II	ug/L	0.2	0.18	0.17	88	84	1-202	4.7	30	
Endosulfan sulfate	ug/L	0.2	0.19	0.18	96	92	26-144	3.7	30	
Endrin	ug/L	0.2	0.16	0.15	78	73	30-147	6.6	18	
Endrin aldehyde	ug/L	0.2	0.19	0.19	97	94	34-105	3.7	30	
Endrin ketone	ug/L	0.2	0.18	0.18	92	89	41-127	3.9	30	
Heptachlor	ug/L	0.2	0.15	0.15	76	76	34-111	0.7	23	
Heptachlor epoxide	ug/L	0.2	0.16	0.16	82	78	37-142	5	30	
Methoxychlor	ug/L	0.2	0.18	0.17	91	87	1-186	4.5	30	
Decachlorobiphenyl (SS)	%				78	75	30-190	3.9		
Tetrachloro-m-xylene (SS)	%				67	64	25-105	4.6		

Analysis Description:	Volatile Organic Analysis	**QC Batch:**	VMS/3018
Analysis Method:	EPA 624	**QC Batch Method:**	EPA 624

METHOD BLANK: 576773

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Acrolein	ND	4.0	1.7	ug/L	
Acrylonitrile	ND	2.0	1.0	ug/L	
Benzene	ND	0.5	0.2	ug/L	
Bromodichloromethane	ND	0.5	0.2	ug/L	
Bromoform	ND	0.5	0.2	ug/L	
Bromomethane (Methyl Bromide)	ND	0.5	0.2	ug/L	
Carbon tetrachloride	ND	0.5	0.2	ug/L	
Chlorobenzene	ND	0.5	0.2	ug/L	
Chloroethane (Ethyl Chloride)	ND	0.5	0.4	ug/L	
2-Chloroethyl vinyl ether	ND	1.0	0.3	ug/L	
Chloroform	ND	0.5	0.2	ug/L	
Chloromethane(Methyl Chloride)	ND	0.5	0.2	ug/L	
Dibromochloromethane	ND	0.5	0.2	ug/L	
1,2-Dichlorobenzene	ND	0.5	0.3	ug/L	

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QUALITY CONTROL DATA

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Analysis Description:	Volatile Organic Analysis	**QC Batch:**	VMS/3018
Analysis Method:	EPA 624	**QC Batch Method:**	EPA 624

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
1,3-Dichlorobenzene	ND	0.5	0.2	ug/L	
1,4-Dichlorobenzene	ND	0.5	0.2	ug/L	
Dichlorodifluoromethane (F-12)	ND	0.5	0.3	ug/L	
1,1-Dichloroethane	ND	0.5	0.2	ug/L	
1,2-Dichloroethane (EDC)	ND	0.5	0.2	ug/L	
1,1-Dichloroethene	ND	0.5	0.2	ug/L	
cis-1,2-Dichloroethene	ND	0.5	0.2	ug/L	
trans-1,2-Dichloroethene	ND	0.5	0.2	ug/L	
1,2-Dichloropropane	ND	0.5	0.2	ug/L	
cis-1,3-Dichloropropene	ND	0.5	0.2	ug/L	
trans-1,3-Dichloropropene	ND	0.5	0.2	ug/L	
Dichlorotrifluoroethane (F123)	ND	0.5	0.1	ug/L	
Ethylbenzene	ND	0.5	0.3	ug/L	
Methyl tert-butyl ether (MTBE)	ND	0.5	0.2	ug/L	
Methylene chloride	ND	0.5	0.3	ug/L	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	ug/L	
Tetrachloroethene (PCE)	ND	0.5	0.2	ug/L	
Toluene	ND	0.5	0.2	ug/L	
1,1,2-Trichloroethane	ND	0.5	0.2	ug/L	
1,1,1-Trichloroethane (TCA)	ND	0.5	0.2	ug/L	
Trichloroethene (TCE)	ND	0.5	0.2	ug/L	
Trichlorofluoromethane (F-11)	ND	0.5	0.3	ug/L	
Trichlorotrifluorethane (F113)	ND	0.5	0.1	ug/L	
Vinyl chloride	ND	0.5	0.2	ug/L	
Xylenes, total	ND	0.5	0.3	ug/L	
4-Bromofluorobenzene (SS)	88	85-115		%	
Dibromofluoromethane (SS)	106	85-115		%	
1,2-Dichlorobenzene-d4 (SS)	88	80-120		%	
1,2-Dichloroethane-d4 (SS)	104	75-125		%	
Toluene-d8 (SS)	100	90-121		%	

LABORATORY CONTROL SAMPLE: 576774

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% REC Limits	Qualifier
Acrolein	ug/L	80	85	106	1-199	
Acrylonitrile	ug/L	80	78	98	76-112	
Benzene	ug/L	20	21	106	37-151	
Bromodichloromethane	ug/L	20	22	112	35-155	
Bromoform	ug/L	20	23	117	45-169	
Bromomethane (Methyl Bromide)	ug/L	20	20	102	10-242	
Carbon tetrachloride	ug/L	20	23	117	70-140	
Chlorobenzene	ug/L	20	19	94	37-160	
Chloroethane (Ethyl Chloride)	ug/L	20	19	94	14-230	
2-Chloroethyl vinyl ether	ug/L	40	38	96	1-305	

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QUALITY CONTROL DATA

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Analysis Description:	Volatile Organic Analysis	**QC Batch:**	VMS/3018
Analysis Method:	EPA 624	**QC Batch Method:**	EPA 624

LABORATORY CONTROL SAMPLE: 576774

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% REC Limits	Qualifier
Chloroform	ug/L	20	21	106	51-138	
Chloromethane(Methyl Chloride)	ug/L	20	20	99	10-273	
Dibromochloromethane	ug/L	20	22	109	53-149	
1,2-Dichlorobenzene	ug/L	20	19	95	18-190	
1,3-Dichlorobenzene	ug/L	20	19	96	59-156	
1,4-Dichlorobenzene	ug/L	20	20	98	18-190	
1,1-Dichloroethane	ug/L	20	21	105	59-155	
1,1-Dichloroethene	ug/L	20	23	114	10-234	
trans-1,2-Dichloroethene	ug/L	20	22	111	54-156	
1,2-Dichloropropane	ug/L	20	21	107	10-210	
cis-1,3-Dichloropropene	ug/L	20	22	111	10-227	
trans-1,3-Dichloropropene	ug/L	20	19	96	17-183	
Ethylbenzene	ug/L	20	19	94	37-162	
Methyl tert-butyl ether (MTBE)	ug/L	20	22	109	73-123	
Methylene chloride	ug/L	20	21	103	10-221	
1,1,2,2-Tetrachloroethane	ug/L	20	20	98	46-157	
Tetrachloroethene (PCE)	ug/L	20	21	103	64-148	
Toluene	ug/L	20	20	99	47-150	
1,1,2-Trichloroethane	ug/L	20	20	99	52-150	
1,1,1-Trichloroethane (TCA)	ug/L	20	21	106	52-162	
Trichloroethene (TCE)	ug/L	20	21	105	71-157	
Trichlorofluoromethane (F-11)	ug/L	20	21	103	17-181	
Vinyl chloride	ug/L	20	22	110	10-251	
4-Bromofluorobenzene (SS)	%			97	85-115	
Dibromofluoromethane (SS)	%			103	85-115	
1,2-Dichlorobenzene-d4 (SS)	%			103	80-120	
1,2-Dichloroethane-d4 (SS)	%			102	75-125	
Toluene-d8 (SS)	%			105	90-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 577030 577031

Parameter	Units	P040524001 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Acrolein	ug/L	0	80	56	64	70	80	1-199	13	30	
Acrylonitrile	ug/L	0	80	61	63	77	79	76-112	2.4	30	
Benzene	ug/L	0	20	20	21	101	105	37-151	3.3	30	
Bromodichloromethane	ug/L	0	20	20	21	102	106	35-155	4.1	30	
Bromoform	ug/L	0	20	20	20	98	99	45-169	0.9	30	
Bromomethane (Methyl	ug/L	0	20	18	19	90	96	10-242	5.8	30	
Carbon tetrachloride	ug/L	0	20	23	24	115	120	70-140	4.9	30	
Chlorobenzene	ug/L	0	20	18	19	91	95	37-160	4.3	30	
Chloroethane (Ethyl Chloride)	ug/L	0	20	29	31	144	154	14-230	6.6	30	
2-Chloroethyl vinyl ether	ug/L	0	40	28	29	71	72	1-305	2.3	30	

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QUALITY CONTROL DATA

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Analysis Description:	Volatile Organic Analysis	**QC Batch:**	VMS/3018
Analysis Method:	EPA 624	**QC Batch Method:**	EPA 624

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 577030 577031

Parameter	Units	P040524001 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Chloroform	ug/L	0	20	20	20	100	101	51-138	1.1	30	
Chloromethane(Methyl	ug/L	0	20	17	18	85	90	10-273	5.2	30	
Dibromochloromethane	ug/L	0	20	19	20	95	99	53-149	3.6	30	
1,2-Dichlorobenzene	ug/L	0	20	18	19	90	93	18-190	4.1	30	
1,3-Dichlorobenzene	ug/L	0	20	19	19	94	95	59-156	1.4	30	
1,4-Dichlorobenzene	ug/L	0	20	18	19	91	96	18-190	5.1	30	
1,1-Dichloroethane	ug/L	0	20	20	21	102	106	59-155	4.3	30	
1,1-Dichloroethene	ug/L	0	20	22	24	110	120	10-234	8.7	30	
trans-1,2-Dichloroethene	ug/L	0	20	21	22	107	111	54-156	4.1	30	
1,2-Dichloropropane	ug/L	0	20	20	20	98	101	10-210	3.8	30	
cis-1,3-Dichloropropene	ug/L	0	20	20	20	99	100	10-227	0.7	30	
trans-1,3-Dichloropropene	ug/L	0	20	17	17	84	86	17-183	2.5	30	
Ethylbenzene	ug/L	0	20	19	20	94	100	37-162	6	30	
Methyl tert-butyl ether (MTBE)	ug/L	0	20	18	18	91	91	73-123	0.2	30	
Methylene chloride	ug/L	0	20	19	20	97	98	10-221	1.1	30	
1,1,2,2-Tetrachloroethane	ug/L	0	20	17	17	84	87	46-157	4	30	
Tetrachloroethene (PCE)	ug/L	0	20	20	22	102	108	64-148	5.7	30	
Toluene	ug/L	0	20	19	20	95	100	47-150	5	30	
1,1,2-Trichloroethane	ug/L	0	20	17	18	85	89	52-150	4.4	30	
1,1,1-Trichloroethane (TCA)	ug/L	0	20	21	23	105	115	52-162	9	30	
Trichloroethene (TCE)	ug/L	0	20	19	21	97	104	71-157	6.1	30	
Trichlorofluoromethane (F-11)	ug/L	0	20	23	22	115	109	17-181	5.3	30	
Vinyl chloride	ug/L	0	20	21	22	107	108	10-251	1.6	30	
4-Bromofluorobenzene (SS)	%					97	99	85-115	2.4		
Dibromofluoromethane (SS)	%					101	99	85-115	2.1		
1,2-Dichlorobenzene-d4 (SS)	%					100	106	80-120	5.7		
1,2-Dichloroethane-d4 (SS)	%					96	93	75-125	3.9		
Toluene-d8 (SS)	%					103	103	90-121	0.3		

Analysis Description:	Cyanide, Total Analysis	**QC Batch:**	WCO/9729
Analysis Method:	SM20-4500-CN C&E	**QC Batch Method:**	SM20-4500-CN C&E

METHOD BLANK: 577893

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Cyanide	ND	3	0.9	ug/L	

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QUALITY CONTROL DATA

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Analysis Description:	Cyanide, Total Analysis	**QC Batch:**	WCO/9729
Analysis Method:	SM20-4500-CN C&E	**QC Batch Method:**	SM20-4500-CN C&E

LABORATORY CONTROL SAMPLE: 577894

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% REC Limits	Qualifier
Cyanide	ug/L	20	19	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 577895 577896

Parameter	Units	P040601003 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Cyanide	ug/L	2	40	37	41	86	97	80-120	11	20	2

METHOD BLANK: 577893

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Cyanide	ND	3	0.9	ug/L	

LABORATORY CONTROL SAMPLE: 577894

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% REC Limits	Qualifier
Cyanide	ug/L	20	19	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 577895 577896

Parameter	Units	P040601003 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Cyanide	ug/L	2	40	37	41	86	97	80-120	11	20	2

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QUALITY CONTROL DATA QUALIFIERS

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

QUALITY CONTROL PARAMETER QUALIFIERS

Results Qualifiers: Report fields may contain codes and non-numeric data correlating to one or more of the following definitions:

NS - means not spiked and will not have recoveries reported for Analyte Spike Amounts

QC Codes Keys: These descriptors are used to help identify the specific QC samples and clarify the report.

MB - Method Blank

Method Blanks are reported to the same Method Detection Limits (MDLs) or Reporting Limits (RLs) as the analytical samples in the corresponding QC batch.

LCS/LCSD - Laboratory Control Spike / Laboratory Control Spike Duplicate

DUP - Duplicate of Original Sample Matrix

MS/MSD - Matrix Spike / Matrix Spike Duplicate

RPD - Relative Percent Difference

%Recovery - Spike Recovery stated as a percentage

2 Nitrate and/or Nitrite was detected in the sample. Sample was treated with Sulfamic Acid prior to analysis.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab Order: P040527
Project ID: STOCKTON-ADDITIONAL PP ONLY

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
P040527001	**EFF-001 / C: 04-08-14 (FE)**	EPA 245.1	MPR/12726	EPA 245.1, Low Level	MHG/4608
P040527002	**INF-001 / C: 04-08-14 (HW)**	EPA 245.1	MPR/12726	EPA 245.1, Low Level	MHG/4608
P040527001	**EFF-001 / C: 04-08-14 (FE)**	EPA 200.8	MPR/12717	EPA 200.8	MMS/7180
P040527002	**INF-001 / C: 04-08-14 (HW)**	EPA 200.8	MPR/12717	EPA 200.8	MMS/7180
P040527001	**EFF-001 / C: 04-08-14 (FE)**	EPA 608	SPR/6404	EPA 608	SMS/3428
P040527002	**INF-001 / C: 04-08-14 (HW)**	EPA 608	SPR/6404	EPA 608	SMS/3428
P040527001	**EFF-001 / C: 04-08-14 (FE)**	EPA 625	SPR/6407	EPA 625	SMS/3426
P040527002	**INF-001 / C: 04-08-14 (HW)**	EPA 625	SPR/6407	EPA 625	SMS/3426
P040527003	**INF-001 (HW)**	EPA 624	VMS/3018		
P040527001	**EFF-001 / C: 04-08-14 (FE)**	SM20-4500-CN C&E	WCO/9729		
P040527002	**INF-001 / C: 04-08-14 (HW)**	SM20-4500-CN C&E	WCO/9729		

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PAGE 1 OF 1

SAMPLE CHAIN OF CUSTODY

PROJECT NAME / PROJECT NUMBER: Stockton - Additional for Priority Pollutants only

P.O. NUMBER: 181796

LAB ORDER #: P040527

CLIENT: City of Stockton

REPORT TO: David Callas

MAILING ADDRESS: 2500 Navy Dr., Stockton

STATE: CA

ZIP: 95206

BILLING ADDRESS: Same

ATTN: Same

PHONE NUMBER: (209) 937-8786

FAX PHONE NUMBER: (209) 937-8708

SAMPLER (PRINT & SIGN NAME): TERRIE HINKLE Terrie L Hinkle

TURN-AROUND TIME: [X] STANDARD [ ] RUSH

DUE DATE:

ANALYSES REQUESTED

CALTEST LAB #	DATE SAMPLED	TIME SAMPLED	SAMPLE MATRIX*	CONTAINER TYPE/ AMOUNT**	PRESERVATIVE	SAMPLE IDENTIFICATION / SITE	CLIENT LAB #	COMP. or GRAB	PP-METALS.ML / Mo.ML	CN.ML	608.ML	625.ML incl PAH's		PP-METALS.LL / Mo.LL	CN.LL	608.LL	625.LL	624.LL			REMARKS
1	04-(08-09)-14	0752 ~~0745~~	ML	PINT/1	HNO3	EFF-001 / C: 04-08-14 [FE]	NA	Comp	X												
↓	"	"	"	PT/1	NONE	"	"	"		X											*Unpreserved - 10 day hold time*
↓	"	"	"	AL/4	NONE	" nex	"	"			X	X									Include PAH's in 625.ML
2	04-(08-09)-14	0745	AQ	PINT/1	HNO3	INF-001 / C: 04-08-14 [HW]	NA	Comp						X							
↓	"	"	"	APT/1	NaOH	"	"	"							X						
↓	"	"	"	AL/4	NONE	"	"	"								X	X				
3	04-09-14	1155	AQ	VOA/6	HCl / None / Field	INF-001 (HW)	NA	Grab										X			Include AA

For all parameters: REPORT MDL AND J-FLAG

RELINQUISHED BY	DATE/TIME	RECEIVED BY	RELINQUISHED BY	DATE/TIME	RECEIVED BY
Elaine Weaver	04-09/1500	[signature]	[signature]	4/9/14 / 19.47	[signature]

FOR LAB USE ONLY

Samples: WC ___ MICRO ___ BIO ___ AA ___ SV ___ VOA ___ pH? Y/N TEMP: 0.5 SEALED: Y/N INTACT: Y/N

BD: BIO ___ WC ___ AA ___

CC: AA ___ SV ___ VOA ___

SIL: HP ___ PT ___ QT ___ VOA ___

W/HNO_3 ___ H_2SO_4 ___ NaOH ___

PIL: HNO_3 ___ H_2SO_4 ___ NaOH ___ HCL ___

COMMENTS:

*MATRIX: AQ = Aqueous Nondrinking Water, Digested Metals; FE = Low R.L.s, Aqueous Nondrinking Water, Digested Metals; DW = Drinking Water; SL = Soil Sludge, Solid ; FP = Free Product

**CONTAINER TYPES: AL = Amber Liter; AHL = 500 ml Amber; PT = Pint (Plastic); QT = Quart (Plastic); HG = Half Gallon (Plastic); SJ = Soil Jar; B4 = 4oz. BACT; BT = Brass Tube; VOA = 40mL VOA; OTC - Other Type Container

R ___ PR ___ M ___ F ___

WHITE - LABORATORY YELLOW - CLIENT COPY TO ACCOMPANY FINAL REPORT PINK - CLIENT COPY AS RECEIPT

Friday, May 02, 2014

David Callas
City of Stockton MUD
2500 Navy Drive
Stockton, CA 95206

Re Lab Order: P040529
Project ID: STOCKTON-NPDES PP SHARED EFF

Collected By: Terrie Hinkle
PO/Contract #: 181796

Dear David Callas:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, April 09, 2014. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Enclosures

Project Manager: Danielle Regan

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SAMPLE SUMMARY

Lab Order: P040529
Project ID: STOCKTON-NPDES PP SHARED EFF

Lab ID	Sample ID	Matrix	Date Collected	Date Received
P040529001	**EFF-001 (FE)**	Water	04/09/2014 11:40	04/09/2014 19:47
P040529002	**FE-FD (FIELD DUPLICATE)**	Water	04/09/2014 11:40	04/09/2014 19:47
P040529003	**TRAVEL BLANK**	Water	04/09/2014 00:00	04/09/2014 19:47
P040529004	**FE POUR BLANK**	Water	04/09/2014 11:48	04/09/2014 19:47

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NARRATIVE

Lab Order: P040529
Project ID: STOCKTON-NPDES PP SHARED EFF

General Qualifiers and Notes

Caltest authorizes this report to be reproduced only in its entirety. Results are specific to the sample(s) as submitted and only to the parameter(s) reported.

Caltest certifies that all test results for wastewater and hazardous waste analyses meet all applicable NELAC requirements; all microbiology and drinking water testing meet applicable ELAP requirements, unless stated otherwise.

All analyses performed by EPA Methods or Standard Methods (SM) 20th Edition except where noted (SMOL=online edition).

Caltest collects samples in compliance with 40 CFR, EPA Methods, Cal. Title 22, and Standard Methods.

Dilution Factors (DF) reported greater than '1' have been used to adjust the result, Reporting Limit (RL), and Method Detection Limit (MDL).

All Solid, sludge, and/or biosolids data is reported in Wet Weight, unless otherwise specified.

Filtrations performed at Caltest for dissolved metals (excluding mercury) and/or pH analysis were not performed within the 15 minute holding time as specified by 40CFR 136.3 table II.

Results Qualifiers: Report fields may contain codes and non-numeric data correlating to one or more of the following definitions:

ND - Non Detect - indicates analytical result has not been detected.

RL - Reporting Limit is the quantitation limit at which the laboratory is able to detect an analyte. An analyte not detected at or above the RL is reported as ND unless otherwise noted or qualified. For analyses pertaining to the State Implementation Plan of the California Toxics Rule, the Caltest Reporting Limit (RL) is equivalent to the Minimum Level (ML). A standard is always run at or below the ML. Where Reporting Limits are elevated due to dilution, the ML calibration criteria has been met.

J - reflects estimated analytical result value detected below the Reporting Limit (RL) and above the Method Detection Limit (MDL). The 'J' flag is equivalent to the DNQ Estimated Concentration flag.

E - indicates an estimated analytical result value.

B - indicates the analyte has been detected in the blank associated with the sample.

NC - means not able to be calculated for RPD or Spike Recoveries.

SS - compound is a Surrogate Spike used per laboratory quality assurance manual.

NOTE: This document represents a complete Analytical Report for the samples referenced herein and should be retained as a permanent record thereof.

Qualifiers and Compound Notes

1	Analyte(s) reported as 'ND' means not detected at or above the listed Method Detection Limits (MDL).
2	Acrolein: Sample was not received preserved to pH 4-5.
3	Sample was analyzed at a pH<2 for 2-Chloroethyl vinyl ether.

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ANALYTICAL RESULTS

Lab Order: P040529
Project ID: STOCKTON-NPDES PP SHARED EFF

Lab ID **P040529001** Date Collected 4/9/2014 11:40 Matrix Water
Sample ID **EFF-001 (FE)** Date Received 4/9/2014 19:47

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Mercury Analysis, Trace Level	**Prep Method:**		EPA 1631E		**Prep by:**		UK			
	Analytical Method:		EPA 1631E					**Analyzed by:**	LM	
Mercury	0.0007	ug/L	0.0005	0.00020	1	04/23/14 00:00	MPR 12732	04/24/14 10:35	MHG 4612	
Volatile Organic Analysis	**Analytical Method:**		EPA 624					**Analyzed by:**	AN	
Acrolein	ND	ug/L	5.0	1.7	1			04/11/14 16:21	VMS 3018	1
Acrylonitrile	ND	ug/L	2.0	1.0	1			04/11/14 16:21	VMS 3018	
Benzene	ND	ug/L	0.5	0.18	1			04/11/14 16:21	VMS 3018	
Bromodichloromethane	7.3	ug/L	0.5	0.16	1			04/11/14 16:21	VMS 3018	
Bromoform	J0.3	ug/L	0.5	0.20	1			04/11/14 16:21	VMS 3018	
Bromomethane (Methyl Bromide)	ND	ug/L	0.5	0.17	1			04/11/14 16:21	VMS 3018	
Carbon tetrachloride	ND	ug/L	0.5	0.16	1			04/11/14 16:21	VMS 3018	
Chlorobenzene	ND	ug/L	0.5	0.18	1			04/11/14 16:21	VMS 3018	
Chloroethane (Ethyl Chloride)	ND	ug/L	0.5	0.38	1			04/11/14 16:21	VMS 3018	
2-Chloroethyl vinyl ether	ND	ug/L	1.0	0.28	1			04/11/14 16:21	VMS 3018	
Chloroform	11	ug/L	0.5	0.19	1			04/11/14 16:21	VMS 3018	
Chloromethane(Methyl Chloride)	ND	ug/L	0.5	0.23	1			04/11/14 16:21	VMS 3018	
Dibromochloromethane	2.4	ug/L	0.5	0.17	1			04/11/14 16:21	VMS 3018	
1,2-Dichlorobenzene	ND	ug/L	0.5	0.27	1			04/11/14 16:21	VMS 3018	
1,3-Dichlorobenzene	ND	ug/L	0.5	0.18	1			04/11/14 16:21	VMS 3018	
1,4-Dichlorobenzene	ND	ug/L	0.5	0.18	1			04/11/14 16:21	VMS 3018	
Dichlorodifluoromethane (F-12)	ND	ug/L	0.5	0.30	1			04/11/14 16:21	VMS 3018	
1,1-Dichloroethane	ND	ug/L	0.5	0.19	1			04/11/14 16:21	VMS 3018	
1,2-Dichloroethane (EDC)	ND	ug/L	0.5	0.18	1			04/11/14 16:21	VMS 3018	
1,1-Dichloroethene	ND	ug/L	0.5	0.21	1			04/11/14 16:21	VMS 3018	
cis-1,2-Dichloroethene	ND	ug/L	0.5	0.20	1			04/11/14 16:21	VMS 3018	
trans-1,2-Dichloroethene	ND	ug/L	0.5	0.22	1			04/11/14 16:21	VMS 3018	
1,2-Dichloropropane	ND	ug/L	0.5	0.18	1			04/11/14 16:21	VMS 3018	
cis-1,3-Dichloropropene	ND	ug/L	0.5	0.16	1			04/11/14 16:21	VMS 3018	
trans-1,3-Dichloropropene	ND	ug/L	0.5	0.16	1			04/11/14 16:21	VMS 3018	
Dichlorotrifluoroethane (F123)	ND	ug/L	0.5	0.14	1			04/11/14 16:21	VMS 3018	
Ethylbenzene	ND	ug/L	0.5	0.26	1			04/11/14 16:21	VMS 3018	
Methyl tert-butyl ether (MTBE)	ND	ug/L	0.5	0.15	1			04/11/14 16:21	VMS 3018	
Methylene chloride	ND	ug/L	0.5	0.30	1			04/11/14 16:21	VMS 3018	
Styrene	ND	ug/L	0.5	0.19	1			04/11/14 16:21	VMS 3018	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	0.20	1			04/11/14 16:21	VMS 3018	
Tetrachloroethene (PCE)	ND	ug/L	0.5	0.19	1			04/11/14 16:21	VMS 3018	
Toluene	ND	ug/L	0.5	0.19	1			04/11/14 16:21	VMS 3018	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	0.19	1			04/11/14 16:21	VMS 3018	
1,1,2-Trichloroethane	ND	ug/L	0.5	0.16	1			04/11/14 16:21	VMS 3018	
1,1,1-Trichloroethane (TCA)	ND	ug/L	0.5	0.19	1			04/11/14 16:21	VMS 3018	
Trichloroethene (TCE)	ND	ug/L	0.5	0.20	1			04/11/14 16:21	VMS 3018	
Trichlorofluoromethane (F-11)	ND	ug/L	0.5	0.29	1			04/11/14 16:21	VMS 3018	
Trichlorotrifluorethane (F113)	ND	ug/L	1.0	0.11	1			04/11/14 16:21	VMS 3018	
Vinyl chloride	ND	ug/L	0.5	0.25	1			04/11/14 16:21	VMS 3018	

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ANALYTICAL RESULTS

Lab Order: P040529
Project ID: STOCKTON-NPDES PP SHARED EFF

Lab ID P040529001 Date Collected 4/9/2014 11:40 Matrix Water
Sample ID EFF-001 (FE) Date Received 4/9/2014 19:47

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Xylenes, total	ND	ug/L	0.5	0.26	1			04/11/14 16:21	VMS 3018	
4-Bromofluorobenzene (SS)	95	%	85-115		1			04/11/14 16:21	VMS 3018	
Dibromofluoromethane (SS)	106	%	85-115		1			04/11/14 16:21	VMS 3018	
1,2-Dichloroethane-d4 (SS)	101	%	75-125		1			04/11/14 16:21	VMS 3018	
Toluene-d8 (SS)	105	%	90-121		1			04/11/14 16:21	VMS 3018	

Lab ID P040529002 Date Collected 4/9/2014 11:40 Matrix Water
Sample ID FE-FD (FIELD DUPLICATE) Date Received 4/9/2014 19:47

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Mercury Analysis, Trace Level	**Prep Method:**		EPA 1631E			**Prep by:**	UK			
	Analytical Method:		EPA 1631E					**Analyzed by:**	LM	
Mercury	0.0006	ug/L	0.0005	0.00020	1	04/23/14 00:00	MPR 12732	04/24/14 10:35	MHG 4612	

Lab ID P040529003 Date Collected 4/9/2014 00:00 Matrix Water
Sample ID TRAVEL BLANK Date Received 4/9/2014 19:47

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Volatile Organic Analysis	**Analytical Method:**		EPA 624					**Analyzed by:**	AN	
Acrolein	ND	ug/L	5.0	1.7	1			04/11/14 15:19	VMS 3018	1,3,2
Acrylonitrile	ND	ug/L	2.0	1.0	1			04/11/14 15:19	VMS 3018	
Benzene	ND	ug/L	0.5	0.18	1			04/11/14 15:19	VMS 3018	
Bromodichloromethane	ND	ug/L	0.5	0.16	1			04/11/14 15:19	VMS 3018	
Bromoform	ND	ug/L	0.5	0.20	1			04/11/14 15:19	VMS 3018	
Bromomethane (Methyl Bromide)	ND	ug/L	0.5	0.17	1			04/11/14 15:19	VMS 3018	
Carbon tetrachloride	ND	ug/L	0.5	0.16	1			04/11/14 15:19	VMS 3018	
Chlorobenzene	ND	ug/L	0.5	0.18	1			04/11/14 15:19	VMS 3018	
Chloroethane (Ethyl Chloride)	ND	ug/L	0.5	0.38	1			04/11/14 15:19	VMS 3018	
2-Chloroethyl vinyl ether	ND	ug/L	1.0	0.28	1			04/11/14 15:19	VMS 3018	
Chloroform	ND	ug/L	0.5	0.19	1			04/11/14 15:19	VMS 3018	
Chloromethane(Methyl Chloride)	ND	ug/L	0.5	0.23	1			04/11/14 15:19	VMS 3018	
Dibromochloromethane	ND	ug/L	0.5	0.17	1			04/11/14 15:19	VMS 3018	
1,2-Dichlorobenzene	ND	ug/L	0.5	0.27	1			04/11/14 15:19	VMS 3018	
1,3-Dichlorobenzene	ND	ug/L	0.5	0.18	1			04/11/14 15:19	VMS 3018	
1,4-Dichlorobenzene	ND	ug/L	0.5	0.18	1			04/11/14 15:19	VMS 3018	
Dichlorodifluoromethane (F-12)	ND	ug/L	0.5	0.30	1			04/11/14 15:19	VMS 3018	
1,1-Dichloroethane	ND	ug/L	0.5	0.19	1			04/11/14 15:19	VMS 3018	
1,2-Dichloroethane (EDC)	ND	ug/L	0.5	0.18	1			04/11/14 15:19	VMS 3018	
1,1-Dichloroethene	ND	ug/L	0.5	0.21	1			04/11/14 15:19	VMS 3018	
cis-1,2-Dichloroethene	ND	ug/L	0.5	0.20	1			04/11/14 15:19	VMS 3018	
trans-1,2-Dichloroethene	ND	ug/L	0.5	0.22	1			04/11/14 15:19	VMS 3018	

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ANALYTICAL RESULTS

Lab Order: P040529
Project ID: STOCKTON-NPDES PP SHARED EFF

Lab ID **P040529003** Date Collected 4/9/2014 00:00 Matrix Water
Sample ID **TRAVEL BLANK** Date Received 4/9/2014 19:47

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
1,2-Dichloropropane	ND	ug/L	0.5	0.18	1			04/11/14 15:19	VMS 3018	
cis-1,3-Dichloropropene	ND	ug/L	0.5	0.16	1			04/11/14 15:19	VMS 3018	
trans-1,3-Dichloropropene	ND	ug/L	0.5	0.16	1			04/11/14 15:19	VMS 3018	
Dichlorotrifluoroethane (F123)	ND	ug/L	0.5	0.14	1			04/11/14 15:19	VMS 3018	
Ethylbenzene	ND	ug/L	0.5	0.26	1			04/11/14 15:19	VMS 3018	
Methyl tert-butyl ether (MTBE)	ND	ug/L	0.5	0.15	1			04/11/14 15:19	VMS 3018	
Methylene chloride	ND	ug/L	0.5	0.30	1			04/11/14 15:19	VMS 3018	
Styrene	ND	ug/L	0.5	0.19	1			04/11/14 15:19	VMS 3018	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	0.20	1			04/11/14 15:19	VMS 3018	
Tetrachloroethene (PCE)	ND	ug/L	0.5	0.19	1			04/11/14 15:19	VMS 3018	
Toluene	ND	ug/L	0.5	0.19	1			04/11/14 15:19	VMS 3018	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	0.19	1			04/11/14 15:19	VMS 3018	
1,1,2-Trichloroethane	ND	ug/L	0.5	0.16	1			04/11/14 15:19	VMS 3018	
1,1,1-Trichloroethane (TCA)	ND	ug/L	0.5	0.19	1			04/11/14 15:19	VMS 3018	
Trichloroethene (TCE)	ND	ug/L	0.5	0.20	1			04/11/14 15:19	VMS 3018	
Trichlorofluoromethane (F-11)	ND	ug/L	0.5	0.29	1			04/11/14 15:19	VMS 3018	
Trichlorotrifluorethane (F113)	ND	ug/L	1.0	0.11	1			04/11/14 15:19	VMS 3018	
Vinyl chloride	ND	ug/L	0.5	0.25	1			04/11/14 15:19	VMS 3018	
Xylenes, total	ND	ug/L	0.5	0.26	1			04/11/14 15:19	VMS 3018	
4-Bromofluorobenzene (SS)	93	%	85-115		1			04/11/14 15:19	VMS 3018	
Dibromofluoromethane (SS)	106	%	85-115		1			04/11/14 15:19	VMS 3018	
1,2-Dichloroethane-d4 (SS)	102	%	75-125		1			04/11/14 15:19	VMS 3018	
Toluene-d8 (SS)	103	%	90-121		1			04/11/14 15:19	VMS 3018	

Lab ID **P040529004** Date Collected 4/9/2014 11:48 Matrix Water
Sample ID **FE POUR BLANK** Date Received 4/9/2014 19:47

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Mercury Analysis, Trace Level	**Prep Method:**		EPA 1631E			**Prep by:**	UK			
	Analytical Method:		EPA 1631E					**Analyzed by:**	JZH	
Mercury	ND	ug/L	0.0005	0.00020	1	04/28/14 00:00	MPR 12741	04/29/14 09:15	MHG 4615	1

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QUALITY CONTROL DATA

Lab Order: P040529
Project ID: STOCKTON-NPDES PP SHARED EFF

Analysis Description:	Mercury Analysis, Trace Level	**QC Batch:**	MPR/12732
Analysis Method:	EPA 1631E	**QC Batch Method:**	EPA 1631E

METHOD BLANK: 579072

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Mercury	ND	0.0005	0.0002	ug/L	

LABORATORY CONTROL SAMPLE: 579073

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% REC Limits	Qualifier
Mercury	ug/L	0.02	0.021	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 579075 579076

Parameter	Units	P040529001 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Mercury	ug/L	0.0007	0.02	0.022	0.022	104	108	80-120	3.4	24	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 579077 579078

Parameter	Units	P040555005 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Mercury	ug/L	0.0006	0.02	0.022	0.023	108	113	80-120	4.2	24	

Analysis Description:	Mercury Analysis, Trace Level	**QC Batch:**	MPR/12741
Analysis Method:	EPA 1631E	**QC Batch Method:**	EPA 1631E

METHOD BLANK: 579744

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Mercury	ND	0.0005	0.0002	ug/L	

LABORATORY CONTROL SAMPLE: 579745

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% REC Limits	Qualifier
Mercury	ug/L	0.02	0.022	110	80-120	

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QUALITY CONTROL DATA

Lab Order: P040529
Project ID: STOCKTON-NPDES PP SHARED EFF

Analysis Description:	Mercury Analysis, Trace Level	**QC Batch:**	MPR/12741
Analysis Method:	EPA 1631E	**QC Batch Method:**	EPA 1631E

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 579269 579270

Parameter	Units	P040616002 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Mercury	ug/L	0.015	0.02	0.038	0.044	113	144	80-120	15	24	4

Analysis Description:	Volatile Organic Analysis	**QC Batch:**	VMS/3018
Analysis Method:	EPA 624	**QC Batch Method:**	EPA 624

METHOD BLANK: 576773

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Acrolein	ND	4.0	1.7	ug/L	
Acrylonitrile	ND	2.0	1.0	ug/L	
Benzene	ND	0.5	0.2	ug/L	
Bromodichloromethane	ND	0.5	0.2	ug/L	
Bromoform	ND	0.5	0.2	ug/L	
Bromomethane (Methyl Bromide)	ND	0.5	0.2	ug/L	
Carbon tetrachloride	ND	0.5	0.2	ug/L	
Chlorobenzene	ND	0.5	0.2	ug/L	
Chloroethane (Ethyl Chloride)	ND	0.5	0.4	ug/L	
2-Chloroethyl vinyl ether	ND	1.0	0.3	ug/L	
Chloroform	ND	0.5	0.2	ug/L	
Chloromethane(Methyl Chloride)	ND	0.5	0.2	ug/L	
Dibromochloromethane	ND	0.5	0.2	ug/L	
1,2-Dichlorobenzene	ND	0.5	0.3	ug/L	
1,3-Dichlorobenzene	ND	0.5	0.2	ug/L	
1,4-Dichlorobenzene	ND	0.5	0.2	ug/L	
Dichlorodifluoromethane (F-12)	ND	0.5	0.3	ug/L	
1,1-Dichloroethane	ND	0.5	0.2	ug/L	
1,2-Dichloroethane (EDC)	ND	0.5	0.2	ug/L	
1,1-Dichloroethene	ND	0.5	0.2	ug/L	
cis-1,2-Dichloroethene	ND	0.5	0.2	ug/L	
trans-1,2-Dichloroethene	ND	0.5	0.2	ug/L	
1,2-Dichloropropane	ND	0.5	0.2	ug/L	
cis-1,3-Dichloropropene	ND	0.5	0.2	ug/L	
trans-1,3-Dichloropropene	ND	0.5	0.2	ug/L	
Dichlorotrifluoroethane (F123)	ND	0.5	0.1	ug/L	
Ethylbenzene	ND	0.5	0.3	ug/L	
Methyl tert-butyl ether (MTBE)	ND	0.5	0.2	ug/L	
Methylene chloride	ND	0.5	0.3	ug/L	
Styrene	ND	0.5	0.2	ug/L	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	ug/L	
Tetrachloroethene (PCE)	ND	0.5	0.2	ug/L	
Toluene	ND	0.5	0.2	ug/L	
1,2,4-Trichlorobenzene	ND	0.5	0.2	ug/L	
1,1,2-Trichloroethane	ND	0.5	0.2	ug/L	

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QUALITY CONTROL DATA

Lab Order: P040529
Project ID: STOCKTON-NPDES PP SHARED EFF

Analysis Description:	Volatile Organic Analysis	**QC Batch:**	VMS/3018
Analysis Method:	EPA 624	**QC Batch Method:**	EPA 624

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
1,1,1-Trichloroethane (TCA)	ND	0.5	0.2	ug/L	
Trichloroethene (TCE)	ND	0.5	0.2	ug/L	
Trichlorofluoromethane (F-11)	ND	0.5	0.3	ug/L	
Trichlorotrifluorethane (F113)	ND	0.5	0.1	ug/L	
Vinyl chloride	ND	0.5	0.2	ug/L	
Xylenes, total	ND	0.5	0.3	ug/L	
4-Bromofluorobenzene (SS)	88	85-115		%	
Dibromofluoromethane (SS)	106	85-115		%	
1,2-Dichlorobenzene-d4 (SS)	88	80-120		%	
1,2-Dichloroethane-d4 (SS)	104	75-125		%	
Toluene-d8 (SS)	100	90-121		%	

LABORATORY CONTROL SAMPLE: 576774

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% REC Limits	Qualifier
Acrolein	ug/L	80	85	106	1-199	
Acrylonitrile	ug/L	80	78	98	76-112	
Benzene	ug/L	20	21	106	37-151	
Bromodichloromethane	ug/L	20	22	112	35-155	
Bromoform	ug/L	20	23	117	45-169	
Bromomethane (Methyl Bromide)	ug/L	20	20	102	10-242	
Carbon tetrachloride	ug/L	20	23	117	70-140	
Chlorobenzene	ug/L	20	19	94	37-160	
Chloroethane (Ethyl Chloride)	ug/L	20	19	94	14-230	
2-Chloroethyl vinyl ether	ug/L	40	38	96	1-305	
Chloroform	ug/L	20	21	106	51-138	
Chloromethane(Methyl Chloride)	ug/L	20	20	99	10-273	
Dibromochloromethane	ug/L	20	22	109	53-149	
1,2-Dichlorobenzene	ug/L	20	19	95	18-190	
1,3-Dichlorobenzene	ug/L	20	19	96	59-156	
1,4-Dichlorobenzene	ug/L	20	20	98	18-190	
1,1-Dichloroethane	ug/L	20	21	105	59-155	
1,1-Dichloroethene	ug/L	20	23	114	10-234	
trans-1,2-Dichloroethene	ug/L	20	22	111	54-156	
1,2-Dichloropropane	ug/L	20	21	107	10-210	
cis-1,3-Dichloropropene	ug/L	20	22	111	10-227	
trans-1,3-Dichloropropene	ug/L	20	19	96	17-183	
Ethylbenzene	ug/L	20	19	94	37-162	
Methyl tert-butyl ether (MTBE)	ug/L	20	22	109	73-123	
Methylene chloride	ug/L	20	21	103	10-221	
1,1,2,2-Tetrachloroethane	ug/L	20	20	98	46-157	
Tetrachloroethene (PCE)	ug/L	20	21	103	64-148	
Toluene	ug/L	20	20	99	47-150	
1,1,2-Trichloroethane	ug/L	20	20	99	52-150	

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QUALITY CONTROL DATA

Lab Order: P040529
Project ID: STOCKTON-NPDES PP SHARED EFF

Analysis Description:	Volatile Organic Analysis	**QC Batch:**	VMS/3018
Analysis Method:	EPA 624	**QC Batch Method:**	EPA 624

LABORATORY CONTROL SAMPLE: 576774

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% REC Limits	Qualifier
1,1,1-Trichloroethane (TCA)	ug/L	20	21	106	52-162	
Trichloroethene (TCE)	ug/L	20	21	105	71-157	
Trichlorofluoromethane (F-11)	ug/L	20	21	103	17-181	
Vinyl chloride	ug/L	20	22	110	10-251	
4-Bromofluorobenzene (SS)	%			97	85-115	
Dibromofluoromethane (SS)	%			103	85-115	
1,2-Dichlorobenzene-d4 (SS)	%			103	80-120	
1,2-Dichloroethane-d4 (SS)	%			102	75-125	
Toluene-d8 (SS)	%			105	90-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 577030 577031

Parameter	Units	P040524001 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Acrolein	ug/L	0	80	56	64	70	80	1-199	13	30	
Acrylonitrile	ug/L	0	80	61	63	77	79	76-112	2.4	30	
Benzene	ug/L	0	20	20	21	101	105	37-151	3.3	30	
Bromodichloromethane	ug/L	0	20	20	21	102	106	35-155	4.1	30	
Bromoform	ug/L	0	20	20	20	98	99	45-169	0.9	30	
Bromomethane (Methyl	ug/L	0	20	18	19	90	96	10-242	5.8	30	
Carbon tetrachloride	ug/L	0	20	23	24	115	120	70-140	4.9	30	
Chlorobenzene	ug/L	0	20	18	19	91	95	37-160	4.3	30	
Chloroethane (Ethyl Chloride)	ug/L	0	20	29	31	144	154	14-230	6.6	30	
2-Chloroethyl vinyl ether	ug/L	0	40	28	29	71	72	1-305	2.3	30	
Chloroform	ug/L	0	20	20	20	100	101	51-138	1.1	30	
Chloromethane(Methyl	ug/L	0	20	17	18	85	90	10-273	5.2	30	
Dibromochloromethane	ug/L	0	20	19	20	95	99	53-149	3.6	30	
1,2-Dichlorobenzene	ug/L	0	20	18	19	90	93	18-190	4.1	30	
1,3-Dichlorobenzene	ug/L	0	20	19	19	94	95	59-156	1.4	30	
1,4-Dichlorobenzene	ug/L	0	20	18	19	91	96	18-190	5.1	30	
1,1-Dichloroethane	ug/L	0	20	20	21	102	106	59-155	4.3	30	
1,1-Dichloroethene	ug/L	0	20	22	24	110	120	10-234	8.7	30	
trans-1,2-Dichloroethene	ug/L	0	20	21	22	107	111	54-156	4.1	30	
1,2-Dichloropropane	ug/L	0	20	20	20	98	101	10-210	3.8	30	
cis-1,3-Dichloropropene	ug/L	0	20	20	20	99	100	10-227	0.7	30	
trans-1,3-Dichloropropene	ug/L	0	20	17	17	84	86	17-183	2.5	30	
Ethylbenzene	ug/L	0	20	19	20	94	100	37-162	6	30	
Methyl tert-butyl ether (MTBE)	ug/L	0	20	18	18	91	91	73-123	0.2	30	
Methylene chloride	ug/L	0	20	19	20	97	98	10-221	1.1	30	
1,1,2,2-Tetrachloroethane	ug/L	0	20	17	17	84	87	46-157	4	30	
Tetrachloroethene (PCE)	ug/L	0	20	20	22	102	108	64-148	5.7	30	
Toluene	ug/L	0	20	19	20	95	100	47-150	5	30	
1,1,2-Trichloroethane	ug/L	0	20	17	18	85	89	52-150	4.4	30	

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QUALITY CONTROL DATA

Lab Order: P040529
Project ID: STOCKTON-NPDES PP SHARED EFF

Analysis Description:	Volatile Organic Analysis	**QC Batch:**	VMS/3018
Analysis Method:	EPA 624	**QC Batch Method:**	EPA 624

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 577030 577031

Parameter	Units	P040524001 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane (TCA)	ug/L	0	20	21	23	105	115	52-162	9	30	
Trichloroethene (TCE)	ug/L	0	20	19	21	97	104	71-157	6.1	30	
Trichlorofluoromethane (F-11)	ug/L	0	20	23	22	115	109	17-181	5.3	30	
Vinyl chloride	ug/L	0	20	21	22	107	108	10-251	1.6	30	
4-Bromofluorobenzene (SS)	%					97	99	85-115	2.4		
Dibromofluoromethane (SS)	%					101	99	85-115	2.1		
1,2-Dichlorobenzene-d4 (SS)	%					100	106	80-120	5.7		
1,2-Dichloroethane-d4 (SS)	%					96	93	75-125	3.9		
Toluene-d8 (SS)	%					103	103	90-121	0.3		

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QUALITY CONTROL DATA QUALIFIERS

Lab Order: P040529
Project ID: STOCKTON-NPDES PP SHARED EFF

QUALITY CONTROL PARAMETER QUALIFIERS

Results Qualifiers: Report fields may contain codes and non-numeric data correlating to one or more of the following definitions:

NS - means not spiked and will not have recoveries reported for Analyte Spike Amounts

QC Codes Keys: These descriptors are used to help identify the specific QC samples and clarify the report.

MB - Method Blank

Method Blanks are reported to the same Method Detection Limits (MDLs) or Reporting Limits (RLs) as the analytical samples in the corresponding QC batch.

LCS/LCSD - Laboratory Control Spike / Laboratory Control Spike Duplicate

DUP - Duplicate of Original Sample Matrix

MS/MSD - Matrix Spike / Matrix Spike Duplicate

RPD - Relative Percent Difference

%Recovery - Spike Recovery stated as a percentage

4 High Matrix Spike recovery(ies) due to possible matrix interferences in the QC sample. QC batch accepted based on LCS and RPD results.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab Order: P040529
Project ID: STOCKTON-NPDES PP SHARED EFF

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
P040529001	**EFF-001 (FE)**	EPA 1631E	MPR/12732	EPA 1631E	MHG/4612
P040529002	**FE-FD (FIELD DUPLICATE)**	EPA 1631E	MPR/12732	EPA 1631E	MHG/4612
P040529004	**FE POUR BLANK**	EPA 1631E	MPR/12741	EPA 1631E	MHG/4615
P040529001	**EFF-001 (FE)**	EPA 624	VMS/3018		
P040529003	**TRAVEL BLANK**	EPA 624	VMS/3018		

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ANALYTICAL LABORATORY

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SAMPLE CHAIN OF CUSTODY

PROJECT NAME / PROJECT NUMBER: Stockton - NPDES / PP Shared - Effluent

P.O. NUMBER: 181796

LAB ORDER #: P040529

CLIENT: City of Stockton

REPORT TO: David Callas

MAILING ADDRESS: 2500 Navy Dr.

STATE: CA

ZIP: 95206

BILLING ADDRESS: Same

ATTN: Same

PHONE NUMBER: (209) 937-8786

FAX PHONE NUMBER: (209) 937-8708

SAMPLER (PRINT & SIGN NAME): TERRIE HINKLE Terrie L Hinkle

TURN-AROUND TIME: [X] STANDARD [ ] RUSH

DUE DATE: see below

ANALYSES REQUESTED

CALTEST LAB #	DATE SAMPLED	TIME SAMPLED	SAMPLE MATRIX*	CONTAINER TYPE/ AMOUNT**	PRESERVATIVE	SAMPLE IDENTIFICATION / SITE	CLIENT LAB #	COMP. or GRAB	624.R5.ML	HG.1631.ML	REMARKS
-1	04-09-14	1140	ML	VOA/6	HCl / None / Field	EFF-001 [FE]	NA	Grab	X		Include AA
↓	"	"	"	500ML CLEAR/1	HCL	"	"	"		X	
-2	04-09-14	1140	ML	500ML CLEAR/1	HCL	FE-FD (Field Duplicate)	NA	Grab		X	
-3	04-09-14	NA	ML	VOA/3	HCL	TRAVEL BLANK	NA	NA	X		
-4	04-09-14	1148	ML	500ML CLEAR/1	HCL	FE POUR BLANK	NA	Grab		X	

For all parameters: REPORT MDL AND J-FLAG

RELINQUISHED BY	DATE/TIME	RECEIVED BY	RELINQUISHED BY	DATE/TIME	RECEIVED BY
Eleanor Weaver	04/09/1500	[illegible]	[illegible]	4/9/14 1947	[illegible]

FOR LAB USE ONLY

Samples: WC ___ MICRO ___ BIO ___ AA ___ SV ___ VOA ___ pH? Y/N TEMP: 0.5 SEALED: Y/N INTACT: Y/N

BD: BIO ___ WC ___ AA ___

CC: AA ___ SV ___ VOA ___

SIL: HP ___ PT ___ QT ___ VOA ___

W/HNO$_3$ ___ H$_2$SO$_4$ ___ NaOH ___

PIL: HNO$_3$ ___ H$_2$SO ___ NaOH ___ HCL ___

COMMENTS:

*MATRIX: AQ = Aqueous Nondrinking Water, Digested Metals; FE = Low R.L.s, Aqueous Nondrinking Water, Digested Metals; DW = Drinking Water; SL = Soil Sludge, Solid ; FP = Free Product

**CONTAINER TYPES: AL = Amber Liter; AHL = 500 ml Amber; PT = Pint (Plastic); QT = Quart (Plastic); HG = Half Gallon (Plastic); SJ = Soil Jar; B4 = 4oz. BACT; BT = Brass Tube; VOA = 40mL VOA; OTC - Other Type Container

R ___ PR ___ M ___ F ___

WHITE - LABORATORY YELLOW - CLIENT COPY TO ACCOMPANY FINAL REPORT PINK - CLIENT COPY AS RECEIPT

Priority Pollutant Analysis

RWCF Biosolids

April 8, 2014

BSK Associates
Engineers & Laboratories

A4D1041

04/24/2014

Invoice
A409362

Terrie Hinkle
City of Stockton
2500 Navy Drive
Stockton, CA 95206

Dear Terrie Hinkle,

Thank you for selecting BSK Associates for your analytical testing needs. We have prepared this report in response to your request for analytical services. Enclosed are the results of analyses for samples received by the laboratory on 04/10/2014 09:45.

If additional clarification of any information is required, please contact your Client Services Representative, John Montierth at (800) 877-8310 or (559) 497-2888.

BSK ASSOCIATES

John Montierth
Project Manager

1414 Stanislaus Street Fresno, CA 93706 (559) 497-2888 FAX (559) 485-6935 www.bsklabs.com

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04/24/2014

Case Narrative

Work Order Information

Client Name:	City of Stockton	**Submitted by:**	Terrie Hinkle
Client Code:	Stock8727	**Shipped by:**	ONTRAC
Work Order:	A4D1041	**COC Number:**	
Project:	Semiannual Priority Pollutants		**TAT:** 10
			PO #: 182045

Sample Receipt Conditions

Cooler: **Default Cooler** **Temp. °C:** 1.1

Containers Intact
COC/Labels Agree
Received On Wet Ice
Packing Material - Bubble Wrap
Sample(s) were received in temperature range.
Initial receipt at BSK-SAC

Report Distribution

Recipient(s)	Report Format	CC:
David Callas	multiorder.rpt	
Terrie Hinkle	multiorder.rpt	

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Certificate of Analysis

Terrie Hinkle
City of Stockton
2500 Navy Drive
Stockton, CA 95206

Report Issue Date: 04/24/2014 16:27
Received Date: 04/10/2014
Received Time: 09:45

Lab Sample ID: A4D1041-11
Sample Date: 04/08/2014
Sample Type: Composite

Sampled by: J Perez / R Bach
Matrix: Solid

Sample Description: BIO-001/C: 04-08-14

General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Cyanide (total)	EPA 9012A	**0.65**	0.26	mg/kg dry	1	A404837	04/18/14	04/21/14	
Cyanide (total) - Wet	*EPA 9012A*	***0.13***	*0.050*	*mg/kg wet*					
***Percent Solids**	SM 2540G / ASTM E 871-82	**19**	0.10	% by Weight	1	A404496	04/14/14	04/15/14	

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Antimony	EPA 6020	ND	51	mg/kg dry	1	A404626	04/15/14	04/21/14	
Antimony - Wet	*EPA 6020*	ND	*10*	*mg/kg wet*					
Arsenic	EPA 6020	**15**	13	mg/kg dry	1	A404626	04/15/14	04/21/14	
Arsenic - Wet	*EPA 6020*	***2.9***	*2.5*	*mg/kg wet*					
Barium	EPA 6020	**670**	32	mg/kg dry	1	A404626	04/15/14	04/21/14	
Barium - Wet	*EPA 6020*	***130***	*6.2*	*mg/kg wet*					
Beryllium	EPA 6020	ND	6.4	mg/kg dry	1	A404626	04/15/14	04/21/14	
Beryllium - Wet	*EPA 6020*	ND	*1.2*	*mg/kg wet*					
Cadmium	EPA 6020	ND	6.4	mg/kg dry	1	A404626	04/15/14	04/21/14	
Cadmium - Wet	*EPA 6020*	ND	*1.2*	*mg/kg wet*					
Chromium	EPA 6020	ND	64	mg/kg dry	1	A404626	04/15/14	04/21/14	
Chromium - Wet	*EPA 6020*	ND	*12*	*mg/kg wet*					
Cobalt	EPA 6020	ND	64	mg/kg dry	1	A404626	04/15/14	04/21/14	
Cobalt - Wet	*EPA 6020*	ND	*12*	*mg/kg wet*					
Copper	EPA 6020	**300**	26	mg/kg dry	1	A404626	04/15/14	04/21/14	
Copper - Wet	*EPA 6020*	***59***	*5.0*	*mg/kg wet*					
Lead	EPA 6020	**41**	32	mg/kg dry	1	A404626	04/15/14	04/21/14	
Lead - Wet	*EPA 6020*	***8.0***	*6.2*	*mg/kg wet*					
Mercury	EPA 6020A	ND	2.6	mg/kg dry	1	A404626	04/15/14	04/21/14	
Mercury - Wet	*EPA 6020A*	ND	*0.50*	*mg/kg wet*					
Molybdenum	EPA 6020	ND	64	mg/kg dry	1	A404626	04/15/14	04/21/14	
Molybdenum - Wet	*EPA 6020*	ND	*12*	*mg/kg wet*					
Nickel	EPA 6020	ND	64	mg/kg dry	1	A404626	04/15/14	04/21/14	
Nickel - Wet	*EPA 6020*	ND	*12*	*mg/kg wet*					
Selenium	EPA 6020	ND	13	mg/kg dry	1	A404626	04/15/14	04/21/14	
Selenium - Wet	*EPA 6020*	ND	*2.5*	*mg/kg wet*					

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Certificate of Analysis

Terrie Hinkle
City of Stockton
2500 Navy Drive
Stockton, CA 95206

Report Issue Date: 04/24/2014 16:27
Received Date: 04/10/2014
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Lab Sample ID: A4D1041-11
Sample Date: 04/08/2014
Sample Type: Composite

Sampled by: J Perez / R Bach
Matrix: Solid

Sample Description: BIO-001/C: 04-08-14

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Silver	EPA 6020	ND	64	mg/kg dry	1	A404626	04/15/14	04/21/14	
Silver - Wet	*EPA 6020*	ND	*12*	*mg/kg wet*					
Thallium	EPA 6020	ND	10	mg/kg dry	1	A404626	04/15/14	04/21/14	
Thallium - Wet	*EPA 6020*	ND	*2.0*	*mg/kg wet*					
Vanadium	EPA 6020	**69**	64	mg/kg dry	1	A404626	04/15/14	04/22/14	
Vanadium - Wet	*EPA 6020*	***13***	*12*	*mg/kg wet*					
Zinc	EPA 6020	**1400**	320	mg/kg dry	1	A404626	04/15/14	04/21/14	
Zinc - Wet	*EPA 6020*	***270***	*62*	*mg/kg wet*					

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Organochlorine Pesticides by GC-ECD									
4,4'-DDD	EPA 8081A	ND	26	ug/kg dry	50	A404582	04/15/14	04/15/14	
4,4'-DDD - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
4,4'-DDE	EPA 8081A	ND	26	ug/kg dry	50	A404582	04/15/14	04/15/14	
4,4'-DDE - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
4,4'-DDT	EPA 8081A	ND	26	ug/kg dry	50	A404582	04/15/14	04/15/14	
4,4'-DDT - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Aldrin	EPA 8081A	ND	26	ug/kg dry	50	A404582	04/15/14	04/15/14	
Aldrin - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
alpha-BHC	EPA 8081A	ND	26	ug/kg dry	50	A404582	04/15/14	04/15/14	
alpha-BHC - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
beta-BHC	EPA 8081A	ND	26	ug/kg dry	50	A404582	04/15/14	04/15/14	
beta-BHC - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Chlordane	EPA 8081A	ND	280	ug/kg dry	50	A404582	04/15/14	04/15/14	
Chlordane - Wet	*EPA 8081A*	ND	*50*	*ug/kg wet*					
delta-BHC	EPA 8081A	ND	26	ug/kg dry	50	A404582	04/15/14	04/15/14	
delta-BHC - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Dieldrin	EPA 8081A	ND	26	ug/kg dry	50	A404582	04/15/14	04/15/14	
Dieldrin - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Endosulfan I	EPA 8081A	ND	26	ug/kg dry	50	A404582	04/15/14	04/15/14	
Endosulfan I - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Endosulfan II	EPA 8081A	ND	26	ug/kg dry	50	A404582	04/15/14	04/15/14	
Endosulfan II - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					

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Certificate of Analysis

Terrie Hinkle
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Report Issue Date: 04/24/2014 16:27
Received Date: 04/10/2014
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Lab Sample ID: A4D1041-11
Sample Date: 04/08/2014
Sample Type: Composite

Sampled by: J Perez / R Bach
Matrix: Solid

Sample Description: BIO-001/C: 04-08-14

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Organochlorine Pesticides by GC-ECD									
Endosulfan Sulfate	EPA 8081A	ND	26	ug/kg dry	50	A404582	04/15/14	04/15/14	
Endosulfan Sulfate - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Endrin	EPA 8081A	ND	26	ug/kg dry	50	A404582	04/15/14	04/15/14	
Endrin - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Endrin Aldehyde	EPA 8081A	ND	26	ug/kg dry	50	A404582	04/15/14	04/15/14	
Endrin Aldehyde - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Heptachlor	EPA 8081A	ND	26	ug/kg dry	50	A404582	04/15/14	04/15/14	
Heptachlor - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Heptachlor Epoxide	EPA 8081A	ND	26	ug/kg dry	50	A404582	04/15/14	04/15/14	
Heptachlor Epoxide - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Lindane	EPA 8081A	ND	28	ug/kg dry	50	A404582	04/15/14	04/15/14	
Lindane - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Methoxychlor	EPA 8081A	ND	26	ug/kg dry	50	A404582	04/15/14	04/15/14	
Methoxychlor - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Toxaphene	EPA 8081A	ND	260	ug/kg dry	50	A404582	04/15/14	04/15/14	
Toxaphene - Wet	*EPA 8081A*	ND	*50*	*ug/kg wet*					
TCMX - Wet	*EPA 8081A*	***990***		*ug/kg wet*					
Surrogate: TCMX	EPA 8081A	265 %		*Acceptable range: 10-138 %*			*Qualifiers -*	*SR4.1*	
Polychlorinated Biphenyls (PCBs) by GC-ECD									
Aroclor-1016	EPA 8082	ND	1.3	mg/kg dry	50	A404582	04/15/14	04/15/14	
Aroclor-1016 - Wet	*EPA 8082*	ND	*0.25*	*mg/kg wet*					
Aroclor-1221	EPA 8082	ND	1.3	mg/kg dry	50	A404582	04/15/14	04/15/14	
Aroclor-1221 - Wet	*EPA 8082*	ND	*0.25*	*mg/kg wet*					
Aroclor-1232	EPA 8082	ND	1.3	mg/kg dry	50	A404582	04/15/14	04/15/14	
Aroclor-1232 - Wet	*EPA 8082*	ND	*0.25*	*mg/kg wet*					
Aroclor-1242	EPA 8082	ND	1.3	mg/kg dry	50	A404582	04/15/14	04/15/14	
Aroclor-1242 - Wet	*EPA 8082*	ND	*0.25*	*mg/kg wet*					
Aroclor-1248	EPA 8082	ND	1.3	mg/kg dry	50	A404582	04/15/14	04/15/14	
Aroclor-1248 - Wet	*EPA 8082*	ND	*0.25*	*mg/kg wet*					
Aroclor-1254	EPA 8082	ND	1.3	mg/kg dry	50	A404582	04/15/14	04/15/14	
Aroclor-1254 - Wet	*EPA 8082*	ND	*0.25*	*mg/kg wet*					
Aroclor-1260	EPA 8082	ND	1.3	mg/kg dry	50	A404582	04/15/14	04/15/14	
Aroclor-1260 - Wet	*EPA 8082*	ND	*0.25*	*mg/kg wet*					

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Certificate of Analysis

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City of Stockton
2500 Navy Drive
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Report Issue Date: 04/24/2014 16:27
Received Date: 04/10/2014
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Lab Sample ID: A4D1041-11
Sample Date: 04/08/2014
Sample Type: Composite

Sampled by: J Perez / R Bach
Matrix: Solid

Sample Description: BIO-001/C: 04-08-14

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Decachlorobiphenyl - Wet	*EPA 8082*	***0.41***		*mg/kg wet*					
Surrogate: Decachlorobiphenyl	EPA 8082	217 %		*Acceptable range: 50-150 %*			*Qualifiers -*	*SR4.1*	
Volatile Organics (Standard List) by GC-MS									
1,1,1,2-Tetrachloroethane	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
1,1,1,2-Tetrachloroethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,1,1-Trichloroethane	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
1,1,1-Trichloroethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,1,2,2-Tetrachloroethane	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
1,1,2,2-Tetrachloroethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,1,2-Trichloroethane	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
1,1,2-Trichloroethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,1-Dichloroethane	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
1,1-Dichloroethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,1-Dichloroethene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
1,1-Dichloroethene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,1-Dichloropropene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
1,1-Dichloropropene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,2,3-Trichlorobenzene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
1,2,3-Trichlorobenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,2,3-Trichloropropane	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
1,2,3-Trichloropropane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,2,4-Trichlorobenzene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
1,2,4-Trichlorobenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,2,4-Trimethylbenzene	EPA 8260B	**160**	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
1,2,4-Trimethylbenzene - Wet	*EPA 8260B*	***30***	*5.0*	*ug/kg wet*					
1,2-Dibromoethane (EDB)	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
1,2-Dibromoethane (EDB) - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,2-Dichlorobenzene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
1,2-Dichlorobenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,2-Dichloroethane	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
1,2-Dichloroethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,2-Dichloropropane	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
1,2-Dichloropropane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,3,5-Trimethylbenzene	EPA 8260B	**62**	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
1,3,5-Trimethylbenzene - Wet	*EPA 8260B*	***12***	*5.0*	*ug/kg wet*					

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Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (Standard List) by GC-MS									
1,3-Dichlorobenzene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
1,3-Dichlorobenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,3-Dichloropropane	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
1,3-Dichloropropane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,4-Dichlorobenzene	EPA 8260B	**160**	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
1,4-Dichlorobenzene - Wet	*EPA 8260B*	***31***	*5.0*	*ug/kg wet*					
2,2-Dichloropropane	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
2,2-Dichloropropane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
2-Chlorotoluene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
2-Chlorotoluene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
2-Hexanone	EPA 8260B	ND	26	ug/kg dry	1	A404662	04/15/14	04/15/14	
2-Hexanone - Wet	*EPA 8260B*	ND	*20*	*ug/kg wet*					
4-Chlorotoluene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
4-Chlorotoluene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
4-Methyl-2-pentanone	EPA 8260B	ND	26	ug/kg dry	1	A404662	04/15/14	04/15/14	
4-Methyl-2-pentanone - Wet	*EPA 8260B*	ND	*20*	*ug/kg wet*					
Benzene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Benzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Bromobenzene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Bromobenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Bromochloromethane	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Bromochloromethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Bromodichloromethane	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Bromodichloromethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Bromoform	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Bromoform - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Bromomethane	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Bromomethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Carbon disulfide	EPA 8260B	**62**	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Carbon disulfide - Wet	*EPA 8260B*	***12***	*5.0*	*ug/kg wet*					
Carbon Tetrachloride	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Carbon Tetrachloride - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Chlorobenzene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Chlorobenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					

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Report Issue Date: 04/24/2014 16:27
Received Date: 04/10/2014
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Lab Sample ID: A4D1041-11
Sample Date: 04/08/2014
Sample Type: Composite

Sampled by: J Perez / R Bach
Matrix: Solid

Sample Description: BIO-001/C: 04-08-14

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (Standard List) by GC-MS									
Chloroethane	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Chloroethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Chloroform	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Chloroform - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Chloromethane	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Chloromethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
cis-1,2-Dichloroethene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
cis-1,2-Dichloroethene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
cis-1,3-Dichloropropene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
cis-1,3-Dichloropropene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Dibromochloromethane	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Dibromochloromethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Dibromochloropropane (DBCP)	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Dibromochloropropane (DBCP) - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Dibromomethane	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Dibromomethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Dichlorodifluoromethane	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Dichlorodifluoromethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Dichloromethane	EPA 8260B	**46**	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Dichloromethane - Wet	*EPA 8260B*	***9.0***	*5.0*	*ug/kg wet*					
Ethylbenzene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Ethylbenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Hexachlorobutadiene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Hexachlorobutadiene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Hexachloroethane	EPA 8260B	ND	50	ug/kg dry	1	A404662	04/15/14	04/15/14	
Hexachloroethane - Wet	*EPA 8260B*	ND	*50*	*ug/kg wet*					
Iodomethane	EPA 8260B	ND	50	ug/kg dry	1	A404662	04/15/14	04/15/14	
Iodomethane - Wet	*EPA 8260B*	ND	*50*	*ug/kg wet*					
Isopropylbenzene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Isopropylbenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
m,p-Xylenes	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
m,p-Xylenes - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Methyl-t-butyl ether	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Methyl-t-butyl ether - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					

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Matrix: Solid

Sample Description: BIO-001/C: 04-08-14

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (Standard List) by GC-MS									
Naphthalene	EPA 8260B	**39**	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Naphthalene - Wet	*EPA 8260B*	***7.6***	*5.0*	*ug/kg wet*					
n-Butylbenzene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
n-Butylbenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
n-Propylbenzene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
n-Propylbenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
o-Xylene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
o-Xylene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
sec-Butylbenzene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
sec-Butylbenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Styrene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Styrene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
tert-Butylbenzene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
tert-Butylbenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Tetrachloroethene (PCE)	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Tetrachloroethene (PCE) - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Toluene	EPA 8260B	**250**	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Toluene - Wet	*EPA 8260B*	***49***	*5.0*	*ug/kg wet*					
trans-1,2-Dichloroethene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
trans-1,2-Dichloroethene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
trans-1,3-Dichloropropene	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
trans-1,3-Dichloropropene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Trichloroethene (TCE)	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Trichloroethene (TCE) - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Trichlorofluoromethane	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Trichlorofluoromethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Vinyl Chloride	EPA 8260B	ND	10	ug/kg dry	1	A404662	04/15/14	04/15/14	
Vinyl Chloride - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,2-Dichloroethane-d4 - Wet	*EPA 8260B*	***550***		*ug/kg wet*					
Surrogate: 1,2-Dichloroethane-d4	EPA 8260B	110 %		*Acceptable range: 70-130 %*					
Bromofluorobenzene - Wet	*EPA 8260B*	***820***		*ug/kg wet*					
Surrogate: Bromofluorobenzene	EPA 8260B	165 %		*Acceptable range: 70-130 %*			*Qualifiers -*	*SR1.2*	
Toluene-d8 - Wet	*EPA 8260B*	***630***		*ug/kg wet*					
Surrogate: Toluene-d8	EPA 8260B	126 %		*Acceptable range: 70-130 %*					

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Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Total Xylenes, EPA 8260B		ND	26						
Total Xylenes, EPA 8260B - Wet	*EPA 8260Ba*	ND	*5.0*	*ug/kg wet*					
Semi-Volatile Organics (Standard List) by GC-MS									
1,2,4-Trichlorobenzene	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
1,2,4-Trichlorobenzene - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
2,4,6-Trichlorophenol	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
2,4,6-Trichlorophenol - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
2,4-Dichlorophenol	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
2,4-Dichlorophenol - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
2,4-Dimethylphenol	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
2,4-Dimethylphenol - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
2,4-Dinitrophenol	EPA 8270C	ND	10000	ug/kg dry	20	A404450	04/11/14	04/11/14	
2,4-Dinitrophenol - Wet	*EPA 8270C*	ND	*2000*	*ug/kg wet*					
2,4-Dinitrotoluene	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
2,4-Dinitrotoluene - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
2,6-Dinitrotoluene	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
2,6-Dinitrotoluene - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
2-Chloronaphthalene	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
2-Chloronaphthalene - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
2-Chlorophenol	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
2-Chlorophenol - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
2-Nitrophenol	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
2-Nitrophenol - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
3,3-Dichlorobenzidine	EPA 8270C	ND	130000	ug/kg dry	50	A404450	04/11/14	04/14/14	
3,3-Dichlorobenzidine - Wet	*EPA 8270C*	ND	*25000*	*ug/kg wet*					
4,6-Dinitro-2-methylphenol	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
4,6-Dinitro-2-methylphenol - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
4-Bromophenyl phenyl ether	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
4-Bromophenyl phenyl ether - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
4-Chloro-3-methylphenol	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
4-Chloro-3-methylphenol - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
4-Chlorophenyl phenyl ether	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
4-Chlorophenyl phenyl ether - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
4-Nitrophenol	EPA 8270C	ND	10000	ug/kg dry	20	A404450	04/11/14	04/11/14	
4-Nitrophenol - Wet	*EPA 8270C*	ND	*2000*	*ug/kg wet*					

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Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Semi-Volatile Organics (Standard List) by GC-MS									
Acenaphthene	EPA 8270C	ND	100	ug/kg dry	20	A404450	04/11/14	04/11/14	
Acenaphthene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Acenaphthylene	EPA 8270C	ND	100	ug/kg dry	20	A404450	04/11/14	04/11/14	
Acenaphthylene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Anthracene	EPA 8270C	ND	100	ug/kg dry	20	A404450	04/11/14	04/11/14	
Anthracene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Benzo(a)anthracene	EPA 8270C	**280**	260	ug/kg dry	50	A404450	04/11/14	04/14/14	
Benzo(a)anthracene - Wet	*EPA 8270C*	***55***	*50*	*ug/kg wet*					
Benzo(a)pyrene	EPA 8270C	**340**	260	ug/kg dry	50	A404450	04/11/14	04/14/14	X.0
Benzo(a)pyrene - Wet	*EPA 8270C*	***66***	*50*	*ug/kg wet*					
Benzo(b)fluoranthene	EPA 8270C	**410**	260	ug/kg dry	50	A404450	04/11/14	04/14/14	X.0
Benzo(b)fluoranthene - Wet	*EPA 8270C*	***80***	*50*	*ug/kg wet*					
Benzo(g,h,i)perylene	EPA 8270C	ND	260	ug/kg dry	50	A404450	04/11/14	04/14/14	X.0
Benzo(g,h,i)perylene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Benzo(k)fluoranthene	EPA 8270C	ND	260	ug/kg dry	50	A404450	04/11/14	04/14/14	X.0
Benzo(k)fluoranthene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Bis(2-chloroethoxy)methane	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
Bis(2-chloroethoxy)methane - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Bis(2-chloroethyl) ether	EPA 8270C	ND	10000	ug/kg dry	20	A404450	04/11/14	04/11/14	
Bis(2-chloroethyl) ether - Wet	*EPA 8270C*	ND	*2000*	*ug/kg wet*					
Bis(2-chloroisopropyl) ether	EPA 8270C	ND	10000	ug/kg dry	20	A404450	04/11/14	04/11/14	
Bis(2-chloroisopropyl) ether - Wet	*EPA 8270C*	ND	*2000*	*ug/kg wet*					
Bis(2-ethylhexyl) phthalate	EPA 8270C	**66000**	13000	ug/kg dry	50	A404450	04/11/14	04/14/14	
Bis(2-ethylhexyl) phthalate - Wet	*EPA 8270C*	***13000***	*2500*	*ug/kg wet*					
Butyl benzyl phthalate	EPA 8270C	ND	13000	ug/kg dry	50	A404450	04/11/14	04/14/14	
Butyl benzyl phthalate - Wet	*EPA 8270C*	ND	*2500*	*ug/kg wet*					
Chrysene	EPA 8270C	**280**	260	ug/kg dry	50	A404450	04/11/14	04/14/14	
Chrysene - Wet	*EPA 8270C*	***55***	*50*	*ug/kg wet*					
Dibenzo(a,h)anthracene	EPA 8270C	ND	260	ug/kg dry	50	A404450	04/11/14	04/14/14	X.0
Dibenzo(a,h)anthracene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Diethyl phthalate	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
Diethyl phthalate - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Dimethyl phthalate	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
Dimethyl phthalate - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					

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Organics

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Semi-Volatile Organics (Standard List) by GC-MS									
Di-n-butyl phthalate	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
Di-n-butyl phthalate - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Di-n-octyl phthalate	EPA 8270C	ND	13000	ug/kg dry	50	A404450	04/11/14	04/14/14	BS1.0, CV0.0, X.0
Di-n-octyl phthalate - Wet	*EPA 8270C*	ND	*2500*	*ug/kg wet*					
Fluoranthene	EPA 8270C	**470**	100	ug/kg dry	20	A404450	04/11/14	04/11/14	
Fluoranthene - Wet	*EPA 8270C*	***91***	*50*	*ug/kg wet*					
Fluorene	EPA 8270C	ND	100	ug/kg dry	20	A404450	04/11/14	04/11/14	
Fluorene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Hexachlorobenzene	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
Hexachlorobenzene - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Hexachlorobutadiene	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
Hexachlorobutadiene - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Hexachloroethane	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
Hexachloroethane - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Indeno(1,2,3-cd)pyrene	EPA 8270C	ND	260	ug/kg dry	50	A404450	04/11/14	04/14/14	X.0
Indeno(1,2,3-cd)pyrene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Isophorone	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
Isophorone - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Naphthalene	EPA 8270C	ND	100	ug/kg dry	20	A404450	04/11/14	04/11/14	
Naphthalene - Wet	*EPA 8270C*	ND	*100*	*ug/kg wet*					
Nitrobenzene	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/14/14	
Nitrobenzene - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
N-Nitrosodi-n-propylamine (NDPA)	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
N-Nitrosodi-n-propylamine (NDPA) - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
N-Nitrosodiphenylamine (as DPA)	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
N-Nitrosodiphenylamine (as DPA) - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Pentachlorophenol	EPA 8270C	ND	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	BS1.0
Pentachlorophenol - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Phenanthrene	EPA 8270C	**430**	100	ug/kg dry	20	A404450	04/11/14	04/11/14	
Phenanthrene - Wet	*EPA 8270C*	***83***	*50*	*ug/kg wet*					

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Terrie Hinkle
City of Stockton
2500 Navy Drive
Stockton, CA 95206

Report Issue Date: 04/24/2014 16:27
Received Date: 04/10/2014
Received Time: 09:45

Lab Sample ID: A4D1041-11
Sample Date: 04/08/2014
Sample Type: Composite

Sampled by: J Perez / R Bach
Matrix: Solid

Sample Description: BIO-001/C: 04-08-14

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Semi-Volatile Organics (Standard List) by GC-MS									
Phenol	EPA 8270C	**42000**	5100	ug/kg dry	20	A404450	04/11/14	04/11/14	
Phenol - Wet	*EPA 8270C*	***8200***	*1000*	*ug/kg wet*					
Pyrene	EPA 8270C	**510**	260	ug/kg dry	50	A404450	04/11/14	04/14/14	
Pyrene - Wet	*EPA 8270C*	***98***	*50*	*ug/kg wet*					
2,4,6-Tribromophenol - Wet	*EPA 8270C*	***2500***		*ug/kg wet*					
Surrogate: 2,4,6-Tribromophenol	EPA 8270C	501 %		*Acceptable range: 41-200 %*			*Qualifiers -*	*SR4.1*	
2-Fluorobiphenyl - Wet	*EPA 8270C*	***480***		*ug/kg wet*					
Surrogate: 2-Fluorobiphenyl	EPA 8270C	96 %		*Acceptable range: 46-144 %*					
2-Fluorophenol - Wet	*EPA 8270C*	***0.0***		*ug/kg wet*					
Surrogate: 2-Fluorophenol	EPA 8270C	%		*Acceptable range: 30-155 %*			*Qualifiers -*	*SR4.1*	
Nitrobenzene-d5 - Wet	*EPA 8270C*	***470***		*ug/kg wet*					
Surrogate: Nitrobenzene-d5	EPA 8270C	94 %		*Acceptable range: 30-149 %*					
Phenol-d6 - Wet	*EPA 8270C*	***620***		*ug/kg wet*					
Surrogate: Phenol-d6	EPA 8270C	124 %		*Acceptable range: 40-162 %*					
p-Terphenyl-d14 - Wet	*EPA 8270C*	***700***		*ug/kg wet*					
Surrogate: p-Terphenyl-d14	EPA 8270C	140 %		*Acceptable range: 45-161 %*					

Lab Sample ID: A4D1041-11RE1
Sample Date: 04/08/2014
Sample Type: Composite

Sampled by: J Perez / R Bach
Matrix: Solid

Sample Description: BIO-001/C: 04-08-14

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (Standard List) by GC-MS									
p-Isopropyltoluene	EPA 8260B	**750**	51	ug/kg dry	5	A404662	04/15/14	04/15/14	
p-Isopropyltoluene - Wet	*EPA 8260B*	***150***	*10*	*ug/kg wet*					
1,2-Dichloroethane-d4 - Wet	*EPA 8260B*	***520***		*ug/kg wet*					
Surrogate: 1,2-Dichloroethane-d4	EPA 8260B	104 %		*Acceptable range: 70-130 %*					

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Lab Sample ID: A4D1041-11RE1
Sample Date: 04/08/2014
Sample Type: Composite
Sampled by: J Perez / R Bach
Matrix: Solid

Sample Description: BIO-001/C: 04-08-14

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Bromofluorobenzene - Wet	*EPA 8260B*	***710***		*ug/kg wet*					
Surrogate: Bromofluorobenzene	EPA 8260B	141 %		*Acceptable range: 70-130 %*			*Qualifiers -*	*SR1.2*	
Toluene-d8 - Wet	*EPA 8260B*	***510***		*ug/kg wet*					
Surrogate: Toluene-d8	EPA 8260B	102 %		*Acceptable range: 70-130 %*					

Lab Sample ID: A4D1041-11RE2
Sample Date: 04/08/2014
Sample Type: Composite
Sampled by: J Perez / R Bach
Matrix: Solid

Sample Description: BIO-001/C: 04-08-14

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (Standard List) by GC-MS									
2-Butanone	EPA 8260B	**1600**	510	ug/kg dry	20	A404699	04/16/14	04/16/14	
2-Butanone - Wet	*EPA 8260B*	***310***	*100*	*ug/kg wet*					
1,2-Dichloroethane-d4 - Wet	*EPA 8260B*	***530***		*ug/kg wet*					
Surrogate: 1,2-Dichloroethane-d4	EPA 8260B	107 %		*Acceptable range: 70-130 %*					
Bromofluorobenzene - Wet	*EPA 8260B*	***480***		*ug/kg wet*					
Surrogate: Bromofluorobenzene	EPA 8260B	96 %		*Acceptable range: 70-130 %*					
Toluene-d8 - Wet	*EPA 8260B*	***540***		*ug/kg wet*					
Surrogate: Toluene-d8	EPA 8260B	109 %		*Acceptable range: 70-130 %*					

Lab Sample ID: A4D1041-11RE3
Sample Date: 04/08/2014
Sample Type: Composite
Sampled by: J Perez / R Bach
Matrix: Solid

Sample Description: BIO-001/C: 04-08-14

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (Standard List) by GC-MS									

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Report Issue Date: 04/24/2014 16:27
Received Date: 04/10/2014
Received Time: 09:45

Lab Sample ID: A4D1041-11RE3
Sample Date: 04/08/2014
Sample Type: Composite

Sampled by: J Perez / R Bach
Matrix: Solid

Sample Description: BIO-001/C: 04-08-14

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (Standard List) by GC-MS									
Acetone	EPA 8260B	**3900**	510	ug/kg dry	20	A404932	04/21/14	04/21/14	
Acetone - Wet	*EPA 8260B*	***750***	*100*	*ug/kg wet*					
1,2-Dichloroethane-d4 - Wet	*EPA 8260B*	***540***		*ug/kg wet*					
Surrogate: 1,2-Dichloroethane-d4	EPA 8260B	108 %		*Acceptable range: 70-130 %*					

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General Chemistry Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404496				Analyst: RLE		Prepared: 04/14/2014					
Duplicate (A404496-DUP1) SM 2540G / ASTM E 871-82 - Quality Control						**Source: A4D1041-11**					
Percent Solids	20	0.10	% by Weig		19			2	20	04/15/14	
Batch: A404837				Analyst: KKC		Prepared: 04/18/2014					
Blank (A404837-BLK1) EPA 9012A - Quality Control											
Cyanide (total)	ND	0.050	mg/kg wet							04/21/14	
Blank Spike (A404837-BS1) EPA 9012A - Quality Control											
Cyanide (total)	2.5	0.050	mg/kg wet	2.5		101	80-120			04/21/14	
Blank Spike Dup (A404837-BSD1) EPA 9012A - Quality Control											
Cyanide (total)	2.5	0.050	mg/kg wet	2.5		98	80-120	3	20	04/21/14	
Matrix Spike (A404837-MS1) EPA 9012A - Quality Control						**Source: A4D1041-11**					
Cyanide (total)	0.67	0.26	mg/kg dry	13	0.65	0	80-120			04/21/14	MS1.0 ***Low***
Matrix Spike Dup (A404837-MSD1) EPA 9012A - Quality Control						**Source: A4D1041-11**					
Cyanide (total)	0.59	0.26	mg/kg dry	13	0.65	0	80-120	13	20	04/21/14	MS1.0 ***Low***

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Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404626				Analyst: MAS		Prepared: 04/15/2014					
Blank (A404626-BLK1) . EPA 6020 - Quality Control											
Antimony	ND	10	mg/kg wet							04/21/14	
Arsenic	ND	2.5	mg/kg wet							04/21/14	
Barium	ND	6.2	mg/kg wet							04/21/14	
Beryllium	ND	1.2	mg/kg wet							04/21/14	
Cadmium	ND	1.2	mg/kg wet							04/21/14	
Chromium	ND	12	mg/kg wet							04/21/14	
Cobalt	ND	12	mg/kg wet							04/21/14	
Copper	ND	5.0	mg/kg wet							04/21/14	
Lead	ND	6.2	mg/kg wet							04/21/14	
Molybdenum	ND	12	mg/kg wet							04/21/14	
Nickel	ND	12	mg/kg wet							04/21/14	
Selenium	ND	2.5	mg/kg wet							04/21/14	
Silver	ND	12	mg/kg wet							04/21/14	
Thallium	ND	2.0	mg/kg wet							04/21/14	
Vanadium	ND	12	mg/kg wet							04/21/14	
Zinc	ND	62	mg/kg wet							04/21/14	
Blank Spike (A404626-BS1) EPA 6020 - Quality Control											
Antimony	120	10	mg/kg wet	100		115	75-125			04/21/14	
Arsenic	100	2.5	mg/kg wet	100		100	75-125			04/21/14	
Barium	95	6.2	mg/kg wet	100		95	75-125			04/21/14	
Beryllium	110	1.2	mg/kg wet	100		110	75-125			04/21/14	
Cadmium	100	1.2	mg/kg wet	100		102	75-125			04/21/14	
Chromium	100	12	mg/kg wet	100		103	75-125			04/21/14	
Cobalt	100	12	mg/kg wet	100		103	75-125			04/21/14	
Copper	110	5.0	mg/kg wet	100		106	75-125			04/21/14	
Lead	95	6.2	mg/kg wet	100		95	75-125			04/21/14	
Molybdenum	100	12	mg/kg wet	100		100	75-125			04/21/14	
Nickel	100	12	mg/kg wet	100		101	75-125			04/21/14	
Selenium	100	2.5	mg/kg wet	100		101	75-125			04/21/14	
Silver	37	12	mg/kg wet	50		75	75-125			04/21/14	
Thallium	94	2.0	mg/kg wet	100		94	75-125			04/21/14	
Vanadium	110	12	mg/kg wet	100		107	75-125			04/21/14	
Zinc	100	62	mg/kg wet	100		105	75-125			04/21/14	
Blank Spike Dup (A404626-BSD1) EPA 6020 - Quality Control											
Antimony	120	10	mg/kg wet	100		116	75-125	0	20	04/21/14	
Arsenic	100	2.5	mg/kg wet	100		103	75-125	3	20	04/21/14	
Barium	96	6.2	mg/kg wet	100		96	75-125	1	20	04/21/14	
Beryllium	110	1.2	mg/kg wet	100		112	75-125	1	20	04/21/14	
Cadmium	100	1.2	mg/kg wet	100		104	75-125	2	20	04/21/14	
Chromium	100	12	mg/kg wet	100		104	75-125	1	20	04/21/14	
Cobalt	100	12	mg/kg wet	100		104	75-125	1	20	04/21/14	
Copper	110	5.0	mg/kg wet	100		111	75-125	4	20	04/21/14	
Lead	98	6.2	mg/kg wet	100		98	75-125	3	20	04/21/14	
Molybdenum	100	12	mg/kg wet	100		105	75-125	5	20	04/21/14	
Nickel	100	12	mg/kg wet	100		103	75-125	2	20	04/21/14	
Selenium	100	2.5	mg/kg wet	100		104	75-125	3	20	04/21/14	
Silver	39	12	mg/kg wet	50		79	75-125	5	20	04/21/14	

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Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404626				Analyst: MAS		Prepared: 04/15/2014					
Blank Spike Dup (A404626-BSD1)	**EPA 6020 - Quality Control**										
Thallium	94	2.0	mg/kg wet	100		94	75-125	0	20	04/21/14	
Vanadium	110	12	mg/kg wet	100		107	75-125	0	20	04/21/14	
Zinc	110	62	mg/kg wet	100		109	75-125	4	20	04/21/14	
Matrix Spike (A404626-MS1)	**EPA 6020 - Quality Control**					**Source: A4D1205-01**					
Antimony	24	10	mg/kg wet	100	ND	24	75-125			04/21/14	MS1.0 ***Low***
Arsenic	150	2.5	mg/kg wet	100	51	101	75-125			04/21/14	
Barium	690	6.2	mg/kg wet	100	530	161	75-125			04/21/14	MS1.0 ***High***
Beryllium	110	1.2	mg/kg wet	100	ND	109	75-125			04/21/14	
Cadmium	97	1.2	mg/kg wet	100	3.9	94	75-125			04/21/14	
Chromium	190	12	mg/kg wet	100	89	103	75-125			04/21/14	
Cobalt	110	12	mg/kg wet	100	12	103	75-125			04/21/14	
Copper	430	5.0	mg/kg wet	100	330	105	75-125			04/21/14	
Lead	390	6.2	mg/kg wet	100	280	107	75-125			04/21/14	
Molybdenum	100	12	mg/kg wet	100	ND	103	75-125			04/21/14	
Nickel	160	12	mg/kg wet	100	57	102	75-125			04/21/14	
Selenium	94	2.5	mg/kg wet	100	ND	94	75-125			04/21/14	
Silver	37	12	mg/kg wet	50	ND	73	75-125			04/21/14	MS1.0 ***Low***
Thallium	98	2.0	mg/kg wet	100	ND	98	75-125			04/21/14	
Vanadium	180	12	mg/kg wet	100	77	100	75-125			04/21/14	
Zinc	960	62	mg/kg wet	100	820	140	75-125			04/21/14	MS1.0 ***High***
Matrix Spike (A404626-MS2)	**EPA 6020 - Quality Control**					**Source: A4D1264-01**					
Antimony	18	10	mg/kg wet	100	ND	18	75-125			04/21/14	MS1.0 ***Low***
Arsenic	130	2.5	mg/kg wet	100	25	103	75-125			04/21/14	
Barium	480	6.2	mg/kg wet	100	320	138	75-125			04/21/14	MS1.0 ***High***
Beryllium	110	1.2	mg/kg wet	100	ND	110	75-125			04/21/14	
Cadmium	99	1.2	mg/kg wet	100	1.5	97	75-125			04/21/14	
Chromium	170	12	mg/kg wet	100	58	114	75-125			04/21/14	
Cobalt	110	12	mg/kg wet	100	ND	100	75-125			04/21/14	
Copper	390	5.0	mg/kg wet	100	260	131	75-125			04/21/14	MS1.0 ***High***
Lead	170	6.2	mg/kg wet	100	74	96	75-125			04/21/14	
Molybdenum	96	12	mg/kg wet	100	ND	96	75-125			04/21/14	
Nickel	150	12	mg/kg wet	100	44	104	75-125			04/21/14	
Selenium	100	2.5	mg/kg wet	100	ND	101	75-125			04/21/14	
Silver	41	12	mg/kg wet	50	ND	81	75-125			04/21/14	
Thallium	91	2.0	mg/kg wet	100	ND	91	75-125			04/21/14	
Vanadium	170	12	mg/kg wet	100	59	113	75-125			04/21/14	
Zinc	540	62	mg/kg wet	100	410	129	75-125			04/21/14	MS1.0 ***High***
Matrix Spike Dup (A404626-MSD1)	**EPA 6020 - Quality Control**					**Source: A4D1205-01**					
Antimony	23	10	mg/kg wet	100	ND	23	75-125	3	20	04/21/14	MS1.0 ***Low***
Arsenic	150	2.5	mg/kg wet	100	51	98	75-125	2	20	04/21/14	
Barium	660	6.2	mg/kg wet	100	530	127	75-125	5	20	04/21/14	MS1.0 ***High***
Beryllium	110	1.2	mg/kg wet	100	ND	106	75-125	3	20	04/21/14	
Cadmium	100	1.2	mg/kg wet	100	3.9	97	75-125	4	20	04/21/14	
Chromium	190	12	mg/kg wet	100	89	104	75-125	1	20	04/21/14	
Cobalt	100	12	mg/kg wet	100	12	91	75-125	10	20	04/21/14	
Copper	420	5.0	mg/kg wet	100	330	94	75-125	3	20	04/21/14	

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Metals Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404626				Analyst: MAS		Prepared: 04/15/2014					
Matrix Spike Dup (A404626-MSD1)	**EPA 6020 - Quality Control**					**Source: A4D1205-01**					
Lead	370	6.2	mg/kg wet	100	280	95	75-125	3	20	04/21/14	
Molybdenum	100	12	mg/kg wet	100	ND	100	75-125	3	20	04/21/14	
Nickel	150	12	mg/kg wet	100	57	89	75-125	8	20	04/21/14	
Selenium	100	2.5	mg/kg wet	100	ND	104	75-125	10	20	04/21/14	
Silver	36	12	mg/kg wet	50	ND	72	75-125	2	20	04/21/14	MS1.0 ***Low***
Thallium	94	2.0	mg/kg wet	100	ND	94	75-125	4	20	04/21/14	
Vanadium	180	12	mg/kg wet	100	77	103	75-125	2	20	04/21/14	
Zinc	950	62	mg/kg wet	100	820	129	75-125	1	20	04/21/14	MS1.0 ***High***
Matrix Spike Dup (A404626-MSD2)	**EPA 6020 - Quality Control**					**Source: A4D1264-01**					
Antimony	17	10	mg/kg wet	100	ND	17	75-125	6	20	04/21/14	MS1.0 ***Low***
Arsenic	120	2.5	mg/kg wet	100	25	100	75-125	2	20	04/21/14	
Barium	460	6.2	mg/kg wet	100	320	137	75-125	0	20	04/21/14	MS1.0 ***High***
Beryllium	100	1.2	mg/kg wet	100	ND	102	75-125	7	20	04/21/14	
Cadmium	99	1.2	mg/kg wet	100	1.5	98	75-125	1	20	04/21/14	
Chromium	170	12	mg/kg wet	100	58	111	75-125	2	20	04/21/14	
Cobalt	110	12	mg/kg wet	100	ND	99	75-125	1	20	04/21/14	
Copper	390	5.0	mg/kg wet	100	260	127	75-125	1	20	04/21/14	MS1.0 ***High***
Lead	160	6.2	mg/kg wet	100	74	90	75-125	4	20	04/21/14	
Molybdenum	94	12	mg/kg wet	100	ND	94	75-125	2	20	04/21/14	
Nickel	170	12	mg/kg wet	100	44	123	75-125	12	20	04/21/14	
Selenium	95	2.5	mg/kg wet	100	ND	95	75-125	6	20	04/21/14	
Silver	39	12	mg/kg wet	50	ND	79	75-125	3	20	04/21/14	
Thallium	91	2.0	mg/kg wet	100	ND	91	75-125	1	20	04/21/14	
Vanadium	170	12	mg/kg wet	100	59	107	75-125	3	20	04/21/14	
Zinc	550	62	mg/kg wet	100	410	142	75-125	2	20	04/21/14	MS1.0 ***High***
Blank (A404626-BLK1)	**EPA 6020A - Quality Control**										
Mercury	ND	0.50	mg/kg wet							04/21/14	
Blank Spike (A404626-BS1)	**EPA 6020A - Quality Control**										
Mercury	2.4	0.50	mg/kg wet	2.5		95	75-125			04/21/14	
Blank Spike Dup (A404626-BSD1)	**EPA 6020A - Quality Control**										
Mercury	2.4	0.50	mg/kg wet	2.5		96	75-125	2	20	04/21/14	
Matrix Spike (A404626-MS1)	**EPA 6020A - Quality Control**					**Source: A4D1205-01**					
Mercury	3.2	0.50	mg/kg wet	2.5	0.83	96	75-125			04/21/14	
Matrix Spike (A404626-MS2)	**EPA 6020A - Quality Control**					**Source: A4D1264-01**					
Mercury	2.6	0.50	mg/kg wet	2.5	ND	89	75-125			04/21/14	
Matrix Spike Dup (A404626-MSD1)	**EPA 6020A - Quality Control**					**Source: A4D1205-01**					
Mercury	3.2	0.50	mg/kg wet	2.5	0.83	95	75-125	0	20	04/21/14	
Matrix Spike Dup (A404626-MSD2)	**EPA 6020A - Quality Control**					**Source: A4D1264-01**					
Mercury	2.5	0.50	mg/kg wet	2.5	ND	85	75-125	4	20	04/21/14	

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404450				Analyst: KHH		Prepared: 04/11/2014					
Blank (A404450-BLK1) EPA 8270C - Quality Control											
1,2,4-Trichlorobenzene	ND	100	ug/kg wet							04/11/14	
2,4,6-Trichlorophenol	ND	200	ug/kg wet							04/11/14	
2,4-Dichlorophenol	ND	100	ug/kg wet							04/11/14	
2,4-Dimethylphenol	ND	100	ug/kg wet							04/11/14	
2,4-Dinitrophenol	ND	1000	ug/kg wet							04/11/14	
2,4-Dinitrotoluene	ND	100	ug/kg wet							04/11/14	
2,6-Dinitrotoluene	ND	100	ug/kg wet							04/11/14	
2-Chloronaphthalene	ND	100	ug/kg wet							04/11/14	
2-Chlorophenol	ND	100	ug/kg wet							04/11/14	
2-Nitrophenol	ND	100	ug/kg wet							04/11/14	
3,3-Dichlorobenzidine	ND	650	ug/kg wet							04/11/14	
4,6-Dinitro-2-methylphenol	ND	500	ug/kg wet							04/11/14	
4-Bromophenyl phenyl ether	ND	100	ug/kg wet							04/11/14	
4-Chloro-3-methylphenol	ND	200	ug/kg wet							04/11/14	
4-Chlorophenyl phenyl ether	ND	100	ug/kg wet							04/11/14	
4-Nitrophenol	ND	1000	ug/kg wet							04/11/14	
Acenaphthene	ND	50	ug/kg wet							04/11/14	
Acenaphthylene	ND	50	ug/kg wet							04/11/14	
Anthracene	ND	50	ug/kg wet							04/11/14	
Benzo(a)anthracene	ND	50	ug/kg wet							04/11/14	
Benzo(a)pyrene	ND	50	ug/kg wet							04/11/14	
Benzo(b)fluoranthene	ND	50	ug/kg wet							04/11/14	
Benzo(g,h,i)perylene	ND	50	ug/kg wet							04/11/14	
Benzo(k)fluoranthene	ND	50	ug/kg wet							04/11/14	
Bis(2-chloroethoxy)methane	ND	100	ug/kg wet							04/11/14	
Bis(2-chloroethyl) ether	ND	1700	ug/kg wet							04/11/14	
Bis(2-chloroisopropyl) ether	ND	330	ug/kg wet							04/11/14	
Bis(2-ethylhexyl) phthalate	ND	500	ug/kg wet							04/11/14	
Butyl benzyl phthalate	ND	100	ug/kg wet							04/11/14	
Chrysene	ND	50	ug/kg wet							04/11/14	
Dibenzo(a,h)anthracene	ND	50	ug/kg wet							04/11/14	
Diethyl phthalate	ND	100	ug/kg wet							04/11/14	
Dimethyl phthalate	ND	100	ug/kg wet							04/11/14	
Di-n-butyl phthalate	ND	100	ug/kg wet							04/11/14	
Di-n-octyl phthalate	ND	100	ug/kg wet							04/11/14	
Fluoranthene	ND	50	ug/kg wet							04/11/14	
Fluorene	ND	50	ug/kg wet							04/11/14	
Hexachlorobenzene	ND	100	ug/kg wet							04/11/14	
Hexachlorobutadiene	ND	100	ug/kg wet							04/11/14	
Hexachloroethane	ND	100	ug/kg wet							04/11/14	
Indeno(1,2,3-cd)pyrene	ND	50	ug/kg wet							04/11/14	
Isophorone	ND	100	ug/kg wet							04/11/14	
Naphthalene	ND	100	ug/kg wet							04/11/14	
Nitrobenzene	ND	100	ug/kg wet							04/11/14	
N-Nitrosodi-n-propylamine (NDPA)	ND	500	ug/kg wet							04/11/14	
N-Nitrosodiphenylamine (as DPA)	ND	100	ug/kg wet							04/11/14	
Pentachlorophenol	ND	1000	ug/kg wet							04/11/14	
Phenanthrene	ND	50	ug/kg wet							04/11/14	
Phenol	ND	100	ug/kg wet							04/11/14	

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404450				Analyst: KHH		Prepared: 04/11/2014					
Blank (A404450-BLK1) EPA 8270C - Quality Control											
Pyrene	ND	50	ug/kg wet							04/11/14	
Surrogate: 2,4,6-Tribromophenol	*890*			*500*		*178*	*41-200*			04/11/14	
Surrogate: 2-Fluorobiphenyl	*420*			*500*		*83*	*46-144*			04/11/14	
Surrogate: 2-Fluorophenol	*390*			*500*		*77*	*30-155*			04/11/14	
Surrogate: Nitrobenzene-d5	*400*			*500*		*80*	*30-149*			04/11/14	
Surrogate: Phenol-d6	*420*			*500*		*84*	*40-162*			04/11/14	
Surrogate: p-Terphenyl-d14	*470*			*500*		*93*	*45-161*			04/11/14	
Blank Spike (A404450-BS1) EPA 8270C - Quality Control											
1,2,4-Trichlorobenzene	430	100	ug/kg wet	500		87	45-113			04/11/14	
2,4,6-Trichlorophenol	500	200	ug/kg wet	500		100	41-129			04/11/14	
2,4-Dichlorophenol	460	100	ug/kg wet	500		92	31-142			04/11/14	
2,4-Dimethylphenol	390	100	ug/kg wet	500		78	10-107			04/11/14	
2,4-Dinitrophenol	550	1000	ug/kg wet	500		109	33-143			04/11/14	
2,4-Dinitrotoluene	490	100	ug/kg wet	500		98	59-125			04/11/14	
2,6-Dinitrotoluene	450	100	ug/kg wet	500		90	66-115			04/11/14	
2-Chloronaphthalene	430	100	ug/kg wet	500		86	56-115			04/11/14	
2-Chlorophenol	340	100	ug/kg wet	500		69	10-121			04/11/14	
2-Nitrophenol	500	100	ug/kg wet	500		100	28-124			04/11/14	
4,6-Dinitro-2-methylphenol	480	500	ug/kg wet	500		96	30-135			04/11/14	
4-Bromophenyl phenyl ether	470	100	ug/kg wet	500		94	56-113			04/11/14	
4-Chloro-3-methylphenol	440	200	ug/kg wet	500		89	48-126			04/11/14	
4-Chlorophenyl phenyl ether	460	100	ug/kg wet	500		92	58-121			04/11/14	
4-Nitrophenol	530	1000	ug/kg wet	500		106	65-113			04/11/14	
Acenaphthene	8.6	100	ug/kg wet	10		86	54-108			04/11/14	
Acenaphthylene	8.0	100	ug/kg wet	10		80	34-116			04/11/14	
Anthracene	8.5	100	ug/kg wet	10		85	45-109			04/11/14	
Benzo(a)anthracene	9.2	100	ug/kg wet	10		92	47-123			04/11/14	
Benzo(a)pyrene	9.9	100	ug/kg wet	10		99	46-126			04/11/14	
Benzo(b)fluoranthene	13	100	ug/kg wet	10		128	42-156			04/11/14	
Benzo(g,h,i)perylene	9.4	100	ug/kg wet	10		94	10-200			04/11/14	
Benzo(k)fluoranthene	11	100	ug/kg wet	10		111	46-142			04/11/14	
Bis(2-chloroethoxy)methane	420	100	ug/kg wet	500		84	57-113			04/11/14	
Bis(2-chloroethyl) ether	350	1700	ug/kg wet	500		71	25-135			04/11/14	
Bis(2-chloroisopropyl) ether	390	330	ug/kg wet	500		77	36-128			04/11/14	
Bis(2-ethylhexyl) phthalate	570	500	ug/kg wet	500		113	67-117			04/11/14	
Butyl benzyl phthalate	500	100	ug/kg wet	500		100	67-118			04/11/14	
Chrysene	9.1	100	ug/kg wet	10		91	49-120			04/11/14	
Dibenzo(a,h)anthracene	8.7	100	ug/kg wet	10		87	10-200			04/11/14	
Diethyl phthalate	460	100	ug/kg wet	500		92	56-140			04/11/14	
Dimethyl phthalate	470	100	ug/kg wet	500		93	66-110			04/11/14	
Di-n-butyl phthalate	470	100	ug/kg wet	500		94	68-108			04/11/14	
Di-n-octyl phthalate	730	100	ug/kg wet	500		146	67-117			04/11/14	BS *High*
Fluoranthene	9.1	100	ug/kg wet	10		91	44-127			04/11/14	
Fluorene	8.5	100	ug/kg wet	10		85	48-126			04/11/14	
Hexachlorobenzene	500	100	ug/kg wet	500		100	55-118			04/11/14	
Hexachlorobutadiene	460	100	ug/kg wet	500		92	41-117			04/11/14	
Hexachloroethane	330	100	ug/kg wet	500		65	10-134			04/11/14	

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual	
Batch: A404450				Analyst: KHH		Prepared: 04/11/2014						
Blank Spike (A404450-BS1)	**EPA 8270C - Quality Control**											
Indeno(1,2,3-cd)pyrene	8.4	100	ug/kg wet	10		84	10-200			04/11/14		
Isophorone	450	100	ug/kg wet	500		89	53-141			04/11/14		
Naphthalene	7.9	100	ug/kg wet	10		79	44-113			04/11/14		
Nitrobenzene	430	100	ug/kg wet	500		87	45-117			04/11/14		
N-Nitrosodi-n-propylamine (NDPA)	430	500	ug/kg wet	500		85	48-128			04/11/14		
N-Nitrosodiphenylamine (as DPA)	530	100	ug/kg wet	500		105	30-161			04/11/14		
Pentachlorophenol	680	1000	ug/kg wet	500		135	60-131			04/11/14	BS	***High***
Phenanthrene	8.6	100	ug/kg wet	10		86	48-118			04/11/14		
Phenol	370	100	ug/kg wet	500		75	27-120			04/11/14		
Pyrene	8.9	100	ug/kg wet	10		89	31-146			04/11/14		
Surrogate: 2,4,6-Tribromophenol	*1000*			*500*		*200*	*41-200*			04/11/14		
Surrogate: 2-Fluorobiphenyl	*440*			*500*		*87*	*46-144*			04/11/14		
Surrogate: 2-Fluorophenol	*400*			*500*		*79*	*30-155*			04/11/14		
Surrogate: Nitrobenzene-d5	*440*			*500*		*88*	*30-149*			04/11/14		
Surrogate: Phenol-d6	*450*			*500*		*89*	*40-162*			04/11/14		
Surrogate: p-Terphenyl-d14	*450*			*500*		*91*	*45-161*			04/11/14		
Blank Spike Dup (A404450-BSD1)	**EPA 8270C - Quality Control**											
1,2,4-Trichlorobenzene	390	100	ug/kg wet	500		78	45-113	11	30	04/11/14		
2,4,6-Trichlorophenol	460	200	ug/kg wet	500		92	41-129	8	30	04/11/14		
2,4-Dichlorophenol	410	100	ug/kg wet	500		81	31-142	13	30	04/11/14		
2,4-Dimethylphenol	340	100	ug/kg wet	500		68	10-107	14	30	04/11/14		
2,4-Dinitrophenol	510	1000	ug/kg wet	500		103	33-143	6	30	04/11/14		
2,4-Dinitrotoluene	470	100	ug/kg wet	500		93	59-125	5	30	04/11/14		
2,6-Dinitrotoluene	440	100	ug/kg wet	500		89	66-115	1	30	04/11/14		
2-Chloronaphthalene	400	100	ug/kg wet	500		81	56-115	6	30	04/11/14		
2-Chlorophenol	270	100	ug/kg wet	500		54	10-121	25	30	04/11/14		
2-Nitrophenol	440	100	ug/kg wet	500		89	28-124	12	30	04/11/14		
4,6-Dinitro-2-methylphenol	450	500	ug/kg wet	500		91	30-135	6	30	04/11/14		
4-Bromophenyl phenyl ether	440	100	ug/kg wet	500		88	56-113	7	30	04/11/14		
4-Chloro-3-methylphenol	420	200	ug/kg wet	500		83	48-126	7	30	04/11/14		
4-Chlorophenyl phenyl ether	430	100	ug/kg wet	500		87	58-121	6	30	04/11/14		
4-Nitrophenol	490	1000	ug/kg wet	500		98	65-113	8	30	04/11/14		
Acenaphthene	8.1	100	ug/kg wet	10		81	54-108	6	30	04/11/14		
Acenaphthylene	7.4	100	ug/kg wet	10		74	34-116	7	30	04/11/14		
Anthracene	8.0	100	ug/kg wet	10		80	45-109	6	30	04/11/14		
Benzo(a)anthracene	9.3	100	ug/kg wet	10		93	47-123	1	30	04/11/14		
Benzo(a)pyrene	9.6	100	ug/kg wet	10		96	46-126	4	30	04/11/14		
Benzo(b)fluoranthene	12	100	ug/kg wet	10		120	42-156	6	30	04/11/14		
Benzo(g,h,i)perylene	8.8	100	ug/kg wet	10		88	10-200	7	30	04/11/14		
Benzo(k)fluoranthene	11	100	ug/kg wet	10		105	46-142	6	30	04/11/14		
Bis(2-chloroethoxy)methane	380	100	ug/kg wet	500		77	57-113	9	30	04/11/14		
Bis(2-chloroethyl) ether	330	1700	ug/kg wet	500		66	25-135	6	30	04/11/14		
Bis(2-chloroisopropyl) ether	350	330	ug/kg wet	500		70	36-128	10	30	04/11/14		
Bis(2-ethylhexyl) phthalate	550	500	ug/kg wet	500		110	67-117	3	30	04/11/14		
Butyl benzyl phthalate	490	100	ug/kg wet	500		97	67-118	3	30	04/11/14		
Chrysene	9.0	100	ug/kg wet	10		90	49-120	1	30	04/11/14		
Dibenzo(a,h)anthracene	8.1	100	ug/kg wet	10		81	10-200	7	30	04/11/14		

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual	
Batch: A404450				Analyst: KHH		Prepared: 04/11/2014						
Blank Spike Dup (A404450-BSD1)	**EPA 8270C - Quality Control**											
Diethyl phthalate	440	100	ug/kg wet	500		89	58-140	3	30	04/11/14		
Dimethyl phthalate	440	100	ug/kg wet	500		89	68-110	5	30	04/11/14		
Di-n-butyl phthalate	460	100	ug/kg wet	500		93	68-108	2	30	04/11/14		
Di-n-octyl phthalate	730	100	ug/kg wet	500		146	67-117	1	30	04/11/14	BS	*High*
Fluoranthene	8.9	100	ug/kg wet	10		89	44-127	2	30	04/11/14		
Fluorene	8.1	100	ug/kg wet	10		81	48-126	5	30	04/11/14		
Hexachlorobenzene	460	100	ug/kg wet	500		92	55-118	8	30	04/11/14		
Hexachlorobutadiene	430	100	ug/kg wet	500		86	41-117	7	30	04/11/14		
Hexachloroethane	300	100	ug/kg wet	500		59	10-134	9	30	04/11/14		
Indeno(1,2,3-cd)pyrene	8.0	100	ug/kg wet	10		80	10-200	5	30	04/11/14		
Isophorone	390	100	ug/kg wet	500		79	53-141	12	30	04/11/14		
Naphthalene	7.2	100	ug/kg wet	10		72	44-113	10	30	04/11/14		
Nitrobenzene	370	100	ug/kg wet	500		75	45-117	15	30	04/11/14		
N-Nitrosodi-n-propylamine (NDPA)	380	500	ug/kg wet	500		77	48-128	10	30	04/11/14		
N-Nitrosodiphenylamine (as DPA)	500	100	ug/kg wet	500		101	30-161	4	30	04/11/14		
Pentachlorophenol	650	1000	ug/kg wet	500		129	60-131	4	30	04/11/14		
Phenanthrene	8.2	100	ug/kg wet	10		82	48-118	5	30	04/11/14		
Phenol	270	100	ug/kg wet	500		55	27-120	31	30	04/11/14	BS3.0	
Pyrene	8.7	100	ug/kg wet	10		87	31-146	2	30	04/11/14		
Surrogate: 2,4,6-Tribromophenol	*970*			*500*		*194*	*41-200*			04/11/14		
Surrogate: 2-Fluorobiphenyl	*420*			*500*		*84*	*46-144*			04/11/14		
Surrogate: 2-Fluorophenol	*330*			*500*		*66*	*30-155*			04/11/14		
Surrogate: Nitrobenzene-d5	*410*			*500*		*81*	*30-149*			04/11/14		
Surrogate: Phenol-d6	*350*			*500*		*70*	*40-162*			04/11/14		
Surrogate: p-Terphenyl-d14	*450*			*500*		*90*	*45-161*			04/11/14		
Matrix Spike (A404450-MS1)	**EPA 8270C - Quality Control**					**Source: A4D1094-02**						
1,2,4-Trichlorobenzene	390	100	ug/kg wet	500	ND	77	45-113			04/11/14		
2,4,6-Trichlorophenol	490	200	ug/kg wet	500	ND	97	41-129			04/11/14		
2,4-Dichlorophenol	420	100	ug/kg wet	500	ND	83	31-142			04/11/14		
2,4-Dimethylphenol	350	100	ug/kg wet	500	ND	70	10-107			04/11/14		
2,4-Dinitrophenol	480	1000	ug/kg wet	500	ND	82	33-143			04/11/14		
2,4-Dinitrotoluene	470	100	ug/kg wet	500	ND	94	59-125			04/11/14		
2,6-Dinitrotoluene	470	100	ug/kg wet	500	ND	94	66-115			04/11/14		
2-Chloronaphthalene	420	100	ug/kg wet	500	ND	84	56-115			04/11/14		
2-Chlorophenol	290	100	ug/kg wet	500	ND	58	10-121			04/11/14		
2-Nitrophenol	470	100	ug/kg wet	500	ND	94	28-124			04/11/14		
4,6-Dinitro-2-methylphenol	430	500	ug/kg wet	500	ND	85	30-135			04/11/14		
4-Bromophenyl phenyl ether	480	100	ug/kg wet	500	ND	96	56-113			04/11/14		
4-Chloro-3-methylphenol	440	200	ug/kg wet	500	ND	88	48-126			04/11/14		
4-Chlorophenyl phenyl ether	450	100	ug/kg wet	500	ND	91	58-121			04/11/14		
4-Nitrophenol	470	1000	ug/kg wet	500	ND	93	65-113			04/11/14		
Acenaphthene	8.4	100	ug/kg wet	10	ND	84	54-108			04/11/14		
Acenaphthylene	8.0	100	ug/kg wet	10	ND	80	34-116			04/11/14		
Anthracene	8.7	100	ug/kg wet	10	ND	87	45-109			04/11/14		
Benzo(a)anthracene	9.3	100	ug/kg wet	10	ND	93	47-123			04/11/14		
Benzo(a)pyrene	9.9	100	ug/kg wet	10	ND	99	46-126			04/11/14		
Benzo(b)fluoranthene	12	100	ug/kg wet	10	ND	124	42-156			04/11/14		

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404450				Analyst: KHH		Prepared: 04/11/2014					
Matrix Spike (A404450-MS1)	**EPA 8270C - Quality Control**					**Source: A4D1094-02**					
Benzo(g,h,i)perylene	8.4	100	ug/kg wet	10	ND	84	10-200			04/11/14	
Benzo(k)fluoranthene	11	100	ug/kg wet	10	ND	110	46-142			04/11/14	
Bis(2-chloroethoxy)methane	410	100	ug/kg wet	500	ND	81	57-113			04/11/14	
Bis(2-chloroethyl) ether	310	1700	ug/kg wet	500	ND	61	25-135			04/11/14	
Bis(2-chloroisopropyl) ether	340	330	ug/kg wet	500	ND	68	36-128			04/11/14	
Bis(2-ethylhexyl) phthalate	560	500	ug/kg wet	500	ND	113	67-117			04/11/14	
Butyl benzyl phthalate	490	100	ug/kg wet	500	ND	98	67-118			04/11/14	
Chrysene	9.1	100	ug/kg wet	10	ND	85	49-120			04/11/14	
Dibenzo(a,h)anthracene	8.1	100	ug/kg wet	10	ND	81	10-200			04/11/14	
Diethyl phthalate	450	100	ug/kg wet	500	ND	90	56-140			04/11/14	
Dimethyl phthalate	470	100	ug/kg wet	500	ND	94	68-110			04/11/14	
Di-n-butyl phthalate	480	100	ug/kg wet	500	ND	96	68-108			04/11/14	
Di-n-octyl phthalate	740	100	ug/kg wet	500	ND	148	67-117			04/11/14	MS1.1 ***High***
Fluoranthene	9.4	100	ug/kg wet	10	ND	94	44-127			04/11/14	
Fluorene	8.5	100	ug/kg wet	10	ND	85	46-126			04/11/14	
Hexachlorobenzene	500	100	ug/kg wet	500	ND	100	55-118			04/11/14	
Hexachlorobutadiene	420	100	ug/kg wet	500	ND	83	41-117			04/11/14	
Hexachloroethane	240	100	ug/kg wet	500	ND	49	10-134			04/11/14	
Indeno(1,2,3-cd)pyrene	7.9	100	ug/kg wet	10	ND	79	10-200			04/11/14	
Isophorone	420	100	ug/kg wet	500	ND	84	53-141			04/11/14	
Naphthalene	7.1	100	ug/kg wet	10	ND	71	44-113			04/11/14	
Nitrobenzene	380	100	ug/kg wet	500	ND	76	45-117			04/11/14	
N-Nitrosodi-n-propylamine (NDPA)	420	500	ug/kg wet	500	ND	83	46-128			04/11/14	
N-Nitrosodiphenylamine (as DPA)	540	100	ug/kg wet	500	ND	108	30-161			04/11/14	
Pentachlorophenol	640	1000	ug/kg wet	500	ND	113	60-131			04/11/14	
Phenanthrene	8.8	100	ug/kg wet	10	ND	88	48-118			04/11/14	
Phenol	360	100	ug/kg wet	500	ND	71	27-120			04/11/14	
Pyrene	8.9	100	ug/kg wet	10	ND	89	31-146			04/11/14	
Surrogate: 2,4,6-Tribromophenol	*1000*			*500*		*202*	*41-200*			04/11/14	*SR1.1*
Surrogate: 2-Fluorobiphenyl	*440*			*500*		*87*	*46-144*			04/11/14	
Surrogate: 2-Fluorophenol	*340*			*500*		*67*	*30-155*			04/11/14	
Surrogate: Nitrobenzene-d5	*420*			*500*		*84*	*30-149*			04/11/14	
Surrogate: Phenol-d6	*410*			*500*		*83*	*40-162*			04/11/14	
Surrogate: p-Terphenyl-d14	*470*			*500*		*93*	*45-161*			04/11/14	
Matrix Spike Dup (A404450-MSD1)	**EPA 8270C - Quality Control**					**Source: A4D1094-02**					
1,2,4-Trichlorobenzene	390	100	ug/kg wet	500	ND	79	45-113	2	30	04/11/14	
2,4,6-Trichlorophenol	470	200	ug/kg wet	500	ND	95	41-129	3	30	04/11/14	
2,4-Dichlorophenol	410	100	ug/kg wet	500	ND	83	31-142	1	30	04/11/14	
2,4-Dimethylphenol	340	100	ug/kg wet	500	ND	68	10-107	4	30	04/11/14	
2,4-Dinitrophenol	170	1000	ug/kg wet	500	ND	21	33-143	94	30	04/11/14	MS1.0 ***Low*** MS2.1
2,4-Dinitrotoluene	470	100	ug/kg wet	500	ND	94	59-125	0	30	04/11/14	
2,6-Dinitrotoluene	450	100	ug/kg wet	500	ND	91	66-115	3	30	04/11/14	
2-Chloronaphthalene	420	100	ug/kg wet	500	ND	83	56-115	1	30	04/11/14	
2-Chlorophenol	260	100	ug/kg wet	500	ND	52	10-121	11	30	04/11/14	
2-Nitrophenol	460	100	ug/kg wet	500	ND	93	28-124	1	30	04/11/14	

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404450				Analyst: KHH		Prepared: 04/11/2014					
Matrix Spike Dup (A404450-MSD1)	**EPA 8270C - Quality Control**					**Source: A4D1094-02**					
4,6-Dinitro-2-methylphenol	280	500	ug/kg wet	500	ND	56	30-135	41	30	04/11/14	MS2.0
4-Bromophenyl phenyl ether	450	100	ug/kg wet	500	ND	90	56-113	7	30	04/11/14	
4-Chloro-3-methylphenol	440	200	ug/kg wet	500	ND	88	48-126	0	30	04/11/14	
4-Chlorophenyl phenyl ether	450	100	ug/kg wet	500	ND	91	58-121	0	30	04/11/14	
4-Nitrophenol	470	1000	ug/kg wet	500	ND	94	65-113	1	30	04/11/14	
Acenaphthene	8.3	100	ug/kg wet	10	ND	83	54-108	2	30	04/11/14	
Acenaphthylene	7.8	100	ug/kg wet	10	ND	78	34-116	2	30	04/11/14	
Anthracene	8.5	100	ug/kg wet	10	ND	85	45-109	2	30	04/11/14	
Benzo(a)anthracene	9.5	100	ug/kg wet	10	ND	95	47-123	2	30	04/11/14	
Benzo(a)pyrene	9.6	100	ug/kg wet	10	ND	96	46-126	3	30	04/11/14	
Benzo(b)fluoranthene	12	100	ug/kg wet	10	ND	121	42-156	2	30	04/11/14	
Benzo(g,h,i)perylene	7.9	100	ug/kg wet	10	ND	79	10-200	7	30	04/11/14	
Benzo(k)fluoranthene	11	100	ug/kg wet	10	ND	107	46-142	2	30	04/11/14	
Bis(2-chloroethoxy)methane	390	100	ug/kg wet	500	ND	78	57-113	3	30	04/11/14	
Bis(2-chloroethyl) ether	280	1700	ug/kg wet	500	ND	57	25-135	8	30	04/11/14	
Bis(2-chloroisopropyl) ether	340	330	ug/kg wet	500	ND	67	36-128	2	30	04/11/14	
Bis(2-ethylhexyl) phthalate	570	500	ug/kg wet	500	ND	114	67-117	1	30	04/11/14	
Butyl benzyl phthalate	500	100	ug/kg wet	500	ND	98	67-118	0	30	04/11/14	
Chrysene	9.2	100	ug/kg wet	10	ND	86	49-120	0	30	04/11/14	
Dibenzo(a,h)anthracene	7.5	100	ug/kg wet	10	ND	75	10-200	8	30	04/11/14	
Diethyl phthalate	450	100	ug/kg wet	500	ND	90	56-140	0	30	04/11/14	
Dimethyl phthalate	460	100	ug/kg wet	500	ND	91	68-110	3	30	04/11/14	
Di-n-butyl phthalate	460	100	ug/kg wet	500	ND	92	68-108	4	30	04/11/14	
Di-n-octyl phthalate	740	100	ug/kg wet	500	ND	147	67-117	1	30	04/11/14	MS1.1 ***High***
Fluoranthene	9.0	100	ug/kg wet	10	ND	90	44-127	4	30	04/11/14	
Fluorene	8.4	100	ug/kg wet	10	ND	84	48-126	1	30	04/11/14	
Hexachlorobenzene	480	100	ug/kg wet	500	ND	96	55-118	3	30	04/11/14	
Hexachlorobutadiene	420	100	ug/kg wet	500	ND	85	41-117	2	30	04/11/14	
Hexachloroethane	260	100	ug/kg wet	500	ND	53	10-134	7	30	04/11/14	
Indeno(1,2,3-cd)pyrene	7.4	100	ug/kg wet	10	ND	74	10-200	7	30	04/11/14	
Isophorone	420	100	ug/kg wet	500	ND	84	53-141	1	30	04/11/14	
Naphthalene	7.3	100	ug/kg wet	10	ND	73	44-113	3	30	04/11/14	
Nitrobenzene	360	100	ug/kg wet	500	ND	72	45-117	5	30	04/11/14	
N-Nitrosodi-n-propylamine (NDPA)	400	500	ug/kg wet	500	ND	78	48-128	5	30	04/11/14	
N-Nitrosodiphenylamine (as DPA)	530	100	ug/kg wet	500	ND	106	30-161	2	30	04/11/14	
Pentachlorophenol	610	1000	ug/kg wet	500	ND	107	60-131	5	30	04/11/14	
Phenanthrene	8.5	100	ug/kg wet	10	ND	85	48-118	4	30	04/11/14	
Phenol	230	100	ug/kg wet	500	ND	46	27-120	43	30	04/11/14	MS2.0
Pyrene	8.9	100	ug/kg wet	10	ND	89	31-146	0	30	04/11/14	
Surrogate: 2,4,6-Tribromophenol	*980*			*500*		*195*	*41-200*			04/11/14	
Surrogate: 2-Fluorobiphenyl	*440*			*500*		*88*	*46-144*			04/11/14	
Surrogate: 2-Fluorophenol	*170*			*500*		*33*	*30-155*			04/11/14	
Surrogate: Nitrobenzene-d5	*400*			*500*		*81*	*30-149*			04/11/14	
Surrogate: Phenol-d6	*270*			*500*		*54*	*40-162*			04/11/14	
Surrogate: p-Terphenyl-d14	*460*			*500*		*92*	*45-161*			04/11/14	
Batch: A404582				Analyst: GAK		Prepared: 04/15/2014					

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404582				Analyst: GAK		Prepared: 04/15/2014					
Blank (A404582-BLK1) EPA 8081A - Quality Control											
4,4'-DDD	ND	1.0	ug/kg wet							04/15/14	
4,4'-DDE	ND	1.0	ug/kg wet							04/15/14	
4,4'-DDT	ND	1.0	ug/kg wet							04/15/14	
Aldrin	ND	1.0	ug/kg wet							04/15/14	
alpha-BHC	ND	1.0	ug/kg wet							04/15/14	
Aroclor-1016	ND	0.020	mg/kg wet							04/15/14	
Aroclor-1221	ND	0.020	mg/kg wet							04/15/14	
Aroclor-1232	ND	0.020	mg/kg wet							04/15/14	
Aroclor-1242	ND	0.020	mg/kg wet							04/15/14	
Aroclor-1248	ND	0.020	mg/kg wet							04/15/14	
Aroclor-1254	ND	0.020	mg/kg wet							04/15/14	
Aroclor-1260	ND	0.020	mg/kg wet							04/15/14	
beta-BHC	ND	1.0	ug/kg wet							04/15/14	
Chlordane	ND	50	ug/kg wet							04/15/14	
delta-BHC	ND	1.0	ug/kg wet							04/15/14	
Dieldrin	ND	1.0	ug/kg wet							04/15/14	
Endosulfan I	ND	1.0	ug/kg wet							04/15/14	
Endosulfan II	ND	1.0	ug/kg wet							04/15/14	
Endosulfan Sulfate	ND	1.0	ug/kg wet							04/15/14	
Endrin	ND	1.0	ug/kg wet							04/15/14	
Endrin Aldehyde	ND	1.0	ug/kg wet							04/15/14	
Heptachlor	ND	1.0	ug/kg wet							04/15/14	
Heptachlor Epoxide	ND	1.0	ug/kg wet							04/15/14	
Lindane	ND	1.0	ug/kg wet							04/15/14	
Methoxychlor	ND	1.0	ug/kg wet							04/15/14	
Toxaphene	ND	50	ug/kg wet							04/15/14	
Surrogate: Decachlorobiphenyl	*0.0073*			*0.0075*		*97*	*50-150*			04/15/14	
Surrogate: TCMX	*15*			*15*		*103*	*10-138*			04/15/14	
Blank Spike (A404582-BS1) EPA 8081A - Quality Control											
4,4'-DDD	2.3	1.0	ug/kg wet	2.0		113	40-134			04/15/14	
4,4'-DDE	2.2	1.0	ug/kg wet	2.0		109	46-139			04/15/14	
4,4'-DDT	2.4	1.0	ug/kg wet	2.0		121	38-156			04/15/14	
Aldrin	2.2	1.0	ug/kg wet	2.0		108	44-125			04/15/14	
alpha-BHC	2.1	1.0	ug/kg wet	2.0		106	30-137			04/15/14	
beta-BHC	2.2	1.0	ug/kg wet	2.0		109	40-155			04/15/14	
delta-BHC	2.4	1.0	ug/kg wet	2.0		118	11-139			04/15/14	
Dieldrin	2.2	1.0	ug/kg wet	2.0		111	39-137			04/15/14	
Endosulfan I	2.2	1.0	ug/kg wet	2.0		111	38-132			04/15/14	
Endosulfan II	2.3	1.0	ug/kg wet	2.0		114	34-138			04/15/14	
Endosulfan Sulfate	2.3	1.0	ug/kg wet	2.0		116	38-144			04/15/14	
Endrin	2.5	1.0	ug/kg wet	2.0		123	22-161			04/15/14	
Endrin Aldehyde	1.8	1.0	ug/kg wet	2.0		92	42-142			04/15/14	
Heptachlor	2.2	1.0	ug/kg wet	2.0		109	44-133			04/15/14	
Heptachlor Epoxide	2.2	1.0	ug/kg wet	2.0		111	46-137			04/15/14	
Lindane	2.2	1.0	ug/kg wet	2.0		110	37-140			04/15/14	
Methoxychlor	2.5	1.0	ug/kg wet	2.0		126	42-161			04/15/14	
Surrogate: TCMX	*15*			*15*		*101*	*10-138*			04/15/14	

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404582				Analyst: GAK		Prepared: 04/15/2014					
Blank Spike Dup (A404582-BSD1)	**EPA 8081A - Quality Control**										
4,4'-DDD	2.3	1.0	ug/kg wet	2.0		113	40-134	0	30	04/15/14	
4,4'-DDE	2.2	1.0	ug/kg wet	2.0		109	46-139	0	30	04/15/14	
4,4'-DDT	2.4	1.0	ug/kg wet	2.0		120	38-156	0	30	04/15/14	
Aldrin	2.1	1.0	ug/kg wet	2.0		106	44-125	2	30	04/15/14	
alpha-BHC	2.1	1.0	ug/kg wet	2.0		105	30-137	1	30	04/15/14	
beta-BHC	2.2	1.0	ug/kg wet	2.0		110	40-155	1	30	04/15/14	
delta-BHC	2.4	1.0	ug/kg wet	2.0		120	11-139	2	30	04/15/14	
Dieldrin	2.2	1.0	ug/kg wet	2.0		110	39-137	0	30	04/15/14	
Endosulfan I	2.2	1.0	ug/kg wet	2.0		109	38-132	2	30	04/15/14	
Endosulfan II	2.3	1.0	ug/kg wet	2.0		113	34-138	1	30	04/15/14	
Endosulfan Sulfate	2.3	1.0	ug/kg wet	2.0		115	38-144	1	30	04/15/14	
Endrin	2.5	1.0	ug/kg wet	2.0		123	22-161	0	30	04/15/14	
Endrin Aldehyde	1.9	1.0	ug/kg wet	2.0		94	42-142	2	30	04/15/14	
Heptachlor	2.2	1.0	ug/kg wet	2.0		108	44-133	2	30	04/15/14	
Heptachlor Epoxide	2.2	1.0	ug/kg wet	2.0		109	46-137	1	30	04/15/14	
Lindane	2.2	1.0	ug/kg wet	2.0		108	37-140	2	30	04/15/14	
Methoxychlor	2.5	1.0	ug/kg wet	2.0		127	42-161	0	30	04/15/14	
Surrogate: TCMX	*15*			*15*		*101*	*10-138*			04/15/14	
Matrix Spike (A404582-MS1)	**EPA 8081A - Quality Control**					**Source: A4D0821-01**					
4,4'-DDD	66	5.0	ug/kg wet	100	ND	66	40-134			04/15/14	
4,4'-DDE	53	5.0	ug/kg wet	100	ND	53	46-139			04/15/14	
4,4'-DDT	34	5.0	ug/kg wet	100	ND	34	38-156			04/15/14	MS1.2 *Low*
Aldrin	60	5.0	ug/kg wet	100	ND	60	44-125			04/15/14	
alpha-BHC	63	5.0	ug/kg wet	100	ND	63	30-137			04/15/14	
beta-BHC	67	5.0	ug/kg wet	100	ND	67	40-155			04/15/14	
delta-BHC	65	5.0	ug/kg wet	100	ND	65	11-139			04/15/14	
Dieldrin	58	5.0	ug/kg wet	100	ND	58	39-137			04/15/14	
Endosulfan I	78	5.0	ug/kg wet	100	ND	78	38-132			04/15/14	
Endosulfan II	67	5.0	ug/kg wet	100	ND	67	34-138			04/15/14	
Endosulfan Sulfate	64	5.0	ug/kg wet	100	ND	64	38-144			04/15/14	
Endrin	61	5.0	ug/kg wet	100	ND	61	22-161			04/15/14	
Endrin Aldehyde	27	5.0	ug/kg wet	100	ND	27	42-142			04/15/14	MS1.2 *Low*
Heptachlor	43	5.0	ug/kg wet	100	ND	43	44-133			04/15/14	MS1.0 *Low*
Heptachlor Epoxide	63	5.0	ug/kg wet	100	ND	63	46-137			04/15/14	
Lindane	57	5.0	ug/kg wet	100	ND	56	37-140			04/15/14	
Methoxychlor	ND	5.0	ug/kg wet	100	ND	0	42-161			04/15/14	MS1.2 *Low*
Surrogate: TCMX	*240*			*380*		*63*	*10-138*			04/15/14	
Matrix Spike Dup (A404582-MSD1)	**EPA 8081A - Quality Control**					**Source: A4D0821-01**					
4,4'-DDD	92	5.0	ug/kg wet	100	ND	92	40-134	34		04/16/14	
4,4'-DDE	77	5.0	ug/kg wet	100	ND	77	46-139	36		04/16/14	
4,4'-DDT	24	5.0	ug/kg wet	100	ND	24	38-156	35		04/16/14	MS1.2 *Low*
Aldrin	82	5.0	ug/kg wet	100	ND	82	44-125	31		04/16/14	
alpha-BHC	83	5.0	ug/kg wet	100	ND	83	30-137	27		04/16/14	
beta-BHC	84	5.0	ug/kg wet	100	ND	84	40-155	22		04/16/14	
delta-BHC	83	5.0	ug/kg wet	100	ND	83	11-139	24		04/16/14	
Dieldrin	77	5.0	ug/kg wet	100	ND	77	39-137	29		04/16/14	

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404582				Analyst: GAK		Prepared: 04/15/2014					
Matrix Spike Dup (A404582-MSD1)	**EPA 8081A - Quality Control**					**Source: A4D0821-01**					
Endosulfan I	93	5.0	ug/kg wet	100	ND	93	38-132	18		04/16/14	
Endosulfan II	89	5.0	ug/kg wet	100	ND	89	34-138	28		04/16/14	
Endosulfan Sulfate	80	5.0	ug/kg wet	100	ND	80	38-144	23		04/16/14	
Endrin	83	5.0	ug/kg wet	100	ND	83	22-161	31		04/16/14	
Endrin Aldehyde	30	5.0	ug/kg wet	100	ND	30	42-142	9		04/16/14	MS1.2 ***Low***
Heptachlor	61	5.0	ug/kg wet	100	ND	61	44-133	33		04/16/14	
Heptachlor Epoxide	83	5.0	ug/kg wet	100	ND	83	46-137	28		04/16/14	
Lindane	72	5.0	ug/kg wet	100	ND	71	37-140	24		04/16/14	
Methoxychlor	8.7	5.0	ug/kg wet	100	ND	9	42-161			04/16/14	MS1.2 ***Low***
Surrogate: TCMX	*340*			*380*		*91*	*10-138*			04/16/14	
Batch: A404662				Analyst: AMN		Prepared: 04/15/2014					
Blank (A404662-BLK1)	**EPA 8260B - Quality Control**										
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet							04/15/14	
1,1,1-Trichloroethane	ND	5.0	ug/kg wet							04/15/14	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg wet							04/15/14	
1,1,2-Trichloroethane	ND	5.0	ug/kg wet							04/15/14	
1,1-Dichloroethane	ND	5.0	ug/kg wet							04/15/14	
1,1-Dichloroethene	ND	5.0	ug/kg wet							04/15/14	
1,1-Dichloropropene	ND	5.0	ug/kg wet							04/15/14	
1,2,3-Trichlorobenzene	ND	5.0	ug/kg wet							04/15/14	
1,2,3-Trichloropropane	ND	5.0	ug/kg wet							04/15/14	
1,2,4-Trichlorobenzene	ND	5.0	ug/kg wet							04/15/14	
1,2,4-Trimethylbenzene	ND	5.0	ug/kg wet							04/15/14	
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg wet							04/15/14	
1,2-Dichlorobenzene	ND	5.0	ug/kg wet							04/15/14	
1,2-Dichloroethane	ND	5.0	ug/kg wet							04/15/14	
1,2-Dichloropropane	ND	5.0	ug/kg wet							04/15/14	
1,3,5-Trimethylbenzene	ND	5.0	ug/kg wet							04/15/14	
1,3-Dichlorobenzene	ND	5.0	ug/kg wet							04/15/14	
1,3-Dichloropropane	ND	5.0	ug/kg wet							04/15/14	
1,4-Dichlorobenzene	ND	5.0	ug/kg wet							04/15/14	
2,2-Dichloropropane	ND	5.0	ug/kg wet							04/15/14	
2-Butanone	ND	20	ug/kg wet							04/15/14	
2-Chlorotoluene	ND	5.0	ug/kg wet							04/15/14	
2-Hexanone	ND	20	ug/kg wet							04/15/14	
4-Chlorotoluene	ND	5.0	ug/kg wet							04/15/14	
4-Methyl-2-pentanone	ND	20	ug/kg wet							04/15/14	
Acetone	ND	50	ug/kg wet							04/15/14	
Benzene	ND	5.0	ug/kg wet							04/15/14	
Bromobenzene	ND	5.0	ug/kg wet							04/15/14	
Bromochloromethane	ND	5.0	ug/kg wet							04/15/14	
Bromodichloromethane	ND	5.0	ug/kg wet							04/15/14	
Bromoform	ND	5.0	ug/kg wet							04/15/14	
Bromomethane	ND	5.0	ug/kg wet							04/15/14	
Carbon disulfide	ND	5.0	ug/kg wet							04/15/14	
Carbon Tetrachloride	ND	5.0	ug/kg wet							04/15/14	
Chlorobenzene	ND	5.0	ug/kg wet							04/15/14	

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404662				Analyst: AMN		Prepared: 04/15/2014					
Blank (A404662-BLK1) EPA 8260B - Quality Control											
Chloroethane	ND	5.0	ug/kg wet							04/15/14	
Chloroform	ND	5.0	ug/kg wet							04/15/14	
Chloromethane	ND	5.0	ug/kg wet							04/15/14	
cis-1,2-Dichloroethene	ND	5.0	ug/kg wet							04/15/14	
cis-1,3-Dichloropropene	ND	5.0	ug/kg wet							04/15/14	
Dibromochloromethane	ND	5.0	ug/kg wet							04/15/14	
Dibromochloropropane (DBCP)	ND	5.0	ug/kg wet							04/15/14	
Dibromomethane	ND	5.0	ug/kg wet							04/15/14	
Dichlorodifluoromethane	ND	5.0	ug/kg wet							04/15/14	
Dichloromethane	ND	5.0	ug/kg wet							04/15/14	
Ethylbenzene	ND	5.0	ug/kg wet							04/15/14	
Hexachlorobutadiene	ND	5.0	ug/kg wet							04/15/14	
Hexachloroethane	ND	50	ug/kg wet							04/15/14	
Iodomethane	ND	50	ug/kg wet							04/15/14	
Isopropylbenzene	ND	5.0	ug/kg wet							04/15/14	
m,p-Xylenes	ND	5.0	ug/kg wet							04/15/14	
Methyl-t-butyl ether	ND	5.0	ug/kg wet							04/15/14	
Naphthalene	ND	5.0	ug/kg wet							04/15/14	
n-Butylbenzene	ND	5.0	ug/kg wet							04/15/14	
n-Propylbenzene	ND	5.0	ug/kg wet							04/15/14	
o-Xylene	ND	5.0	ug/kg wet							04/15/14	
p-Isopropyltoluene	ND	5.0	ug/kg wet							04/15/14	
sec-Butylbenzene	ND	5.0	ug/kg wet							04/15/14	
Styrene	ND	5.0	ug/kg wet							04/15/14	
tert-Butylbenzene	ND	5.0	ug/kg wet							04/15/14	
Tetrachloroethene (PCE)	ND	5.0	ug/kg wet							04/15/14	
Toluene	ND	5.0	ug/kg wet							04/15/14	
trans-1,2-Dichloroethene	ND	5.0	ug/kg wet							04/15/14	
trans-1,3-Dichloropropene	ND	5.0	ug/kg wet							04/15/14	
Trichloroethene (TCE)	ND	5.0	ug/kg wet							04/15/14	
Trichlorofluoromethane	ND	5.0	ug/kg wet							04/15/14	
Vinyl Chloride	ND	5.0	ug/kg wet							04/15/14	
Surrogate: 1,2-Dichloroethane-d4	*470*			*500*		*95*	*70-130*			04/15/14	
Surrogate: Bromofluorobenzene	*490*			*500*		*99*	*70-130*			04/15/14	
Surrogate: Toluene-d8	*390*			*500*		*78*	*70-130*			04/15/14	
Blank Spike (A404662-BS1) EPA 8260B - Quality Control											
1,1,1,2-Tetrachloroethane	18	5.0	ug/kg wet	20		90	80-133			04/15/14	
1,1,1-Trichloroethane	17	5.0	ug/kg wet	20		86	82-126			04/15/14	
1,1,2,2-Tetrachloroethane	19	5.0	ug/kg wet	20		95	83-119			04/15/14	
1,1,2-Trichloroethane	18	5.0	ug/kg wet	20		92	87-117			04/15/14	
1,1-Dichloroethane	17	5.0	ug/kg wet	20		85	79-124			04/15/14	
1,1-Dichloroethene	17	5.0	ug/kg wet	20		84	78-127			04/15/14	
1,1-Dichloropropene	17	5.0	ug/kg wet	20		83	78-126			04/15/14	
1,2,3-Trichlorobenzene	19	5.0	ug/kg wet	20		94	75-134			04/15/14	
1,2,3-Trichloropropane	20	5.0	ug/kg wet	20		99	83-122			04/15/14	
1,2,4-Trichlorobenzene	20	5.0	ug/kg wet	20		102	68-141			04/15/14	
1,2,4-Trimethylbenzene	18	5.0	ug/kg wet	20		90	85-120			04/15/14	

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404662				Analyst: AMN		Prepared: 04/15/2014					
Blank Spike (A404662-BS1)	**EPA 8260B - Quality Control**										
1,2-Dibromoethane (EDB)	18	5.0	ug/kg wet	20		92	88-119			04/15/14	
1,2-Dichlorobenzene	18	5.0	ug/kg wet	20		90	85-123			04/15/14	
1,2-Dichloroethane	17	5.0	ug/kg wet	20		85	78-125			04/15/14	
1,2-Dichloropropane	17	5.0	ug/kg wet	20		84	84-121			04/15/14	
1,3,5-Trimethylbenzene	18	5.0	ug/kg wet	20		91	87-119			04/15/14	
1,3-Dichlorobenzene	18	5.0	ug/kg wet	20		90	81-128			04/15/14	
1,3-Dichloropropane	18	5.0	ug/kg wet	20		92	87-118			04/15/14	
1,4-Dichlorobenzene	17	5.0	ug/kg wet	20		87	83-122			04/15/14	
2,2-Dichloropropane	18	5.0	ug/kg wet	20		90	81-131			04/15/14	
2-Butanone	18	20	ug/kg wet	20		88	48-157			04/15/14	
2-Chlorotoluene	17	5.0	ug/kg wet	20		87	82-125			04/15/14	
2-Hexanone	19	20	ug/kg wet	20		97	69-134			04/15/14	
4-Chlorotoluene	18	5.0	ug/kg wet	20		89	82-127			04/15/14	
4-Methyl-2-pentanone	18	20	ug/kg wet	20		90	76-121			04/15/14	
Acetone	18	50	ug/kg wet	20		88	14-202			04/15/14	
Benzene	16	5.0	ug/kg wet	20		82	82-122			04/15/14	
Bromobenzene	19	5.0	ug/kg wet	20		96	88-120			04/15/14	
Bromochloromethane	17	5.0	ug/kg wet	20		86	79-126			04/15/14	
Bromodichloromethane	18	5.0	ug/kg wet	20		88	70-141			04/15/14	
Bromoform	19	5.0	ug/kg wet	20		97	64-151			04/15/14	
Bromomethane	16	5.0	ug/kg wet	20		79	51-159			04/15/14	
Carbon disulfide	15	5.0	ug/kg wet	20		76	64-150			04/15/14	
Carbon Tetrachloride	17	5.0	ug/kg wet	20		87	65-147			04/15/14	
Chlorobenzene	18	5.0	ug/kg wet	20		91	89-120			04/15/14	
Chloroethane	17	5.0	ug/kg wet	20		83	65-146			04/15/14	
Chloroform	16	5.0	ug/kg wet	20		79	79-122			04/15/14	
Chloromethane	16	5.0	ug/kg wet	20		79	67-129			04/15/14	
cis-1,2-Dichloroethene	17	5.0	ug/kg wet	20		85	83-123			04/15/14	
cis-1,3-Dichloropropene	17	5.0	ug/kg wet	20		87	84-124			04/15/14	
Dibromochloromethane	18	5.0	ug/kg wet	20		90	68-148			04/15/14	
Dibromochloropropane (DBCP)	20	5.0	ug/kg wet	20		102	77-132			04/15/14	
Dibromomethane	17	5.0	ug/kg wet	20		86	81-122			04/15/14	
Dichlorodifluoromethane	17	5.0	ug/kg wet	20		84	54-139			04/15/14	
Dichloromethane	16	5.0	ug/kg wet	20		80	78-122			04/15/14	
Ethylbenzene	18	5.0	ug/kg wet	20		89	87-117			04/15/14	
Hexachlorobutadiene	18	5.0	ug/kg wet	20		92	75-139			04/15/14	
Hexachloroethane	17	50	ug/kg wet	20		87	62-159			04/15/14	
Iodomethane	17	50	ug/kg wet	20		87	53-154			04/15/14	
Isopropylbenzene	17	5.0	ug/kg wet	20		87	84-123			04/15/14	
m,p-Xylenes	39	5.0	ug/kg wet	40		96	86-120			04/15/14	
Methyl-t-butyl ether	36	5.0	ug/kg wet	40		89	83-118			04/15/14	
Naphthalene	21	5.0	ug/kg wet	20		106	84-122			04/15/14	
n-Butylbenzene	18	5.0	ug/kg wet	20		88	76-129			04/15/14	
n-Propylbenzene	18	5.0	ug/kg wet	20		91	80-128			04/15/14	
o-Xylene	20	5.0	ug/kg wet	20		98	86-122			04/15/14	
p-Isopropyltoluene	17	5.0	ug/kg wet	20		86	83-124			04/15/14	
sec-Butylbenzene	18	5.0	ug/kg wet	20		89	85-123			04/15/14	
Styrene	20	5.0	ug/kg wet	20		98	89-115			04/15/14	
tert-Butylbenzene	18	5.0	ug/kg wet	20		88	80-134			04/15/14	

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404662				Analyst: AMN		Prepared: 04/15/2014					
Blank Spike (A404662-BS1)	**EPA 8260B - Quality Control**										
Tetrachloroethene (PCE)	18	5.0	ug/kg wet	20		90	88-124			04/15/14	
Toluene	19	5.0	ug/kg wet	20		94	88-118			04/15/14	
trans-1,2-Dichloroethene	17	5.0	ug/kg wet	20		83	80-124			04/15/14	
trans-1,3-Dichloropropene	19	5.0	ug/kg wet	20		93	90-121			04/15/14	
Trichloroethene (TCE)	16	5.0	ug/kg wet	20		81	83-125			04/15/14	BS0.0 *Low*
Trichlorofluoromethane	18	5.0	ug/kg wet	20		89	63-144			04/15/14	
Vinyl Chloride	17	5.0	ug/kg wet	20		84	66-137			04/15/14	
Surrogate: 1,2-Dichloroethane-d4	*460*			*500*		*92*	*70-130*			04/15/14	
Surrogate: Bromofluorobenzene	*510*			*500*		*101*	*70-130*			04/15/14	
Surrogate: Toluene-d8	*410*			*500*		*82*	*70-130*			04/15/14	
Blank Spike Dup (A404662-BSD1)	**EPA 8260B - Quality Control**										
1,1,1,2-Tetrachloroethane	17	5.0	ug/kg wet	20		85	80-133	6	30	04/15/14	
1,1,1-Trichloroethane	17	5.0	ug/kg wet	20		87	82-126	2	30	04/15/14	
1,1,2,2-Tetrachloroethane	19	5.0	ug/kg wet	20		94	83-119	1	30	04/15/14	
1,1,2-Trichloroethane	18	5.0	ug/kg wet	20		89	87-117	3	30	04/15/14	
1,1-Dichloroethane	18	5.0	ug/kg wet	20		91	79-124	7	30	04/15/14	
1,1-Dichloroethene	17	5.0	ug/kg wet	20		87	78-127	4	30	04/15/14	
1,1-Dichloropropene	18	5.0	ug/kg wet	20		89	78-126	7	30	04/15/14	
1,2,3-Trichlorobenzene	21	5.0	ug/kg wet	20		106	75-134	13	30	04/15/14	
1,2,3-Trichloropropane	19	5.0	ug/kg wet	20		97	83-122	1	30	04/15/14	
1,2,4-Trichlorobenzene	19	5.0	ug/kg wet	20		97	68-141	5	30	04/15/14	
1,2,4-Trimethylbenzene	18	5.0	ug/kg wet	20		92	85-120	2	30	04/15/14	
1,2-Dibromoethane (EDB)	18	5.0	ug/kg wet	20		90	88-119	3	30	04/15/14	
1,2-Dichlorobenzene	18	5.0	ug/kg wet	20		92	85-123	3	30	04/15/14	
1,2-Dichloroethane	18	5.0	ug/kg wet	20		91	78-125	6	30	04/15/14	
1,2-Dichloropropane	18	5.0	ug/kg wet	20		88	84-121	5	30	04/15/14	
1,3,5-Trimethylbenzene	17	5.0	ug/kg wet	20		86	87-119	5	30	04/15/14	BS0.0 *Low*
1,3-Dichlorobenzene	18	5.0	ug/kg wet	20		89	81-128	1	30	04/15/14	
1,3-Dichloropropane	17	5.0	ug/kg wet	20		87	87-118	5	30	04/15/14	
1,4-Dichlorobenzene	17	5.0	ug/kg wet	20		87	83-122	0	30	04/15/14	
2,2-Dichloropropane	18	5.0	ug/kg wet	20		92	81-131	3	30	04/15/14	
2-Butanone	18	20	ug/kg wet	20		88	48-157	1	30	04/15/14	
2-Chlorotoluene	17	5.0	ug/kg wet	20		86	82-125	1	30	04/15/14	
2-Hexanone	20	20	ug/kg wet	20		101	69-134	4	30	04/15/14	
4-Chlorotoluene	18	5.0	ug/kg wet	20		89	82-127	0	30	04/15/14	
4-Methyl-2-pentanone	19	20	ug/kg wet	20		95	76-121	6	30	04/15/14	
Acetone	18	50	ug/kg wet	20		92	14-202	5	30	04/15/14	
Benzene	17	5.0	ug/kg wet	20		87	82-122	7	30	04/15/14	
Bromobenzene	18	5.0	ug/kg wet	20		89	88-120	7	30	04/15/14	
Bromochloromethane	17	5.0	ug/kg wet	20		86	79-126	0	30	04/15/14	
Bromodichloromethane	18	5.0	ug/kg wet	20		90	70-141	2	30	04/15/14	
Bromoform	19	5.0	ug/kg wet	20		94	64-151	4	30	04/15/14	
Bromomethane	17	5.0	ug/kg wet	20		84	51-159	7	30	04/15/14	
Carbon disulfide	17	5.0	ug/kg wet	20		84	64-150	11	30	04/15/14	
Carbon Tetrachloride	18	5.0	ug/kg wet	20		90	65-147	3	30	04/15/14	
Chlorobenzene	18	5.0	ug/kg wet	20		92	89-120	1	30	04/15/14	
Chloroethane	20	5.0	ug/kg wet	20		99	65-146	18	30	04/15/14	

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404662				Analyst: AMN		Prepared: 04/15/2014					
Blank Spike Dup (A404662-BSD1)	**EPA 8260B - Quality Control**										
Chloroform	16	5.0	ug/kg wet	20		81	79-122	2	30	04/15/14	
Chloromethane	18	5.0	ug/kg wet	20		92	67-129	16	30	04/15/14	
cis-1,2-Dichloroethene	18	5.0	ug/kg wet	20		89	83-123	4	30	04/15/14	
cis-1,3-Dichloropropene	18	5.0	ug/kg wet	20		88	84-124	2	30	04/15/14	
Dibromochloromethane	18	5.0	ug/kg wet	20		91	88-148	1	30	04/15/14	
Dibromochloropropane (DBCP)	20	5.0	ug/kg wet	20		98	77-132	4	30	04/15/14	
Dibromomethane	18	5.0	ug/kg wet	20		88	81-122	2	30	04/15/14	
Dichlorodifluoromethane	18	5.0	ug/kg wet	20		88	54-139	4	30	04/15/14	
Dichloromethane	16	5.0	ug/kg wet	20		82	78-122	2	30	04/15/14	
Ethylbenzene	18	5.0	ug/kg wet	20		89	87-117	0	30	04/15/14	
Hexachlorobutadiene	19	5.0	ug/kg wet	20		95	75-139	3	30	04/15/14	
Hexachloroethane	19	50	ug/kg wet	20		97	62-159	10	30	04/15/14	
Iodomethane	17	50	ug/kg wet	20		86	53-154	1	30	04/15/14	
Isopropylbenzene	17	5.0	ug/kg wet	20		87	84-123	1	30	04/15/14	
m,p-Xylenes	35	5.0	ug/kg wet	40		88	86-120	9	30	04/15/14	
Methyl-t-butyl ether	37	5.0	ug/kg wet	40		93	83-118	5	30	04/15/14	
Naphthalene	24	5.0	ug/kg wet	20		118	84-122	11	30	04/15/14	
n-Butylbenzene	17	5.0	ug/kg wet	20		85	76-129	3	30	04/15/14	
n-Propylbenzene	17	5.0	ug/kg wet	20		87	80-128	5	30	04/15/14	
o-Xylene	19	5.0	ug/kg wet	20		93	86-122	5	30	04/15/14	
p-Isopropyltoluene	17	5.0	ug/kg wet	20		85	83-124	1	30	04/15/14	
sec-Butylbenzene	18	5.0	ug/kg wet	20		90	85-123	1	30	04/15/14	
Styrene	18	5.0	ug/kg wet	20		91	89-115	8	30	04/15/14	
tert-Butylbenzene	18	5.0	ug/kg wet	20		88	80-134	0	30	04/15/14	
Tetrachloroethene (PCE)	19	5.0	ug/kg wet	20		97	88-124	7	30	04/15/14	
Toluene	19	5.0	ug/kg wet	20		94	88-118	0	30	04/15/14	
trans-1,2-Dichloroethene	18	5.0	ug/kg wet	20		90	80-124	8	30	04/15/14	
trans-1,3-Dichloropropene	18	5.0	ug/kg wet	20		92	90-121	1	30	04/15/14	
Trichloroethene (TCE)	17	5.0	ug/kg wet	20		83	83-125	3	30	04/15/14	
Trichlorofluoromethane	14	5.0	ug/kg wet	20		69	63-144	25	30	04/15/14	
Vinyl Chloride	18	5.0	ug/kg wet	20		88	66-137	5	30	04/15/14	
Surrogate: 1,2-Dichloroethane-d4	*480*			*500*		*96*	*70-130*			04/15/14	
Surrogate: Bromofluorobenzene	*500*			*500*		*100*	*70-130*			04/15/14	
Surrogate: Toluene-d8	*440*			*500*		*88*	*70-130*			04/15/14	
Matrix Spike (A404662-MS1)	**EPA 8260B - Quality Control**					**Source: A4D1204-01**					
1,1,1,2-Tetrachloroethane	14	5.0	ug/kg wet	20	ND	72	80-133			04/15/14	MS1.0 ***Low***
1,1,1-Trichloroethane	14	5.0	ug/kg wet	20	ND	69	82-126			04/15/14	MS1.2 ***Low***
1,1,2,2-Tetrachloroethane	17	5.0	ug/kg wet	20	ND	85	83-119			04/15/14	
1,1,2-Trichloroethane	16	5.0	ug/kg wet	20	ND	80	87-117			04/15/14	MS1.0 ***Low***
1,1-Dichloroethane	15	5.0	ug/kg wet	20	ND	75	79-124			04/15/14	MS1.2 ***Low***
1,1-Dichloroethene	13	5.0	ug/kg wet	20	ND	64	78-127			04/15/14	MS1.2 ***Low.***
1,1-Dichloropropene	13	5.0	ug/kg wet	20	ND	64	78-126			04/15/14	MS1.2 ***Low***
1,2,3-Trichlorobenzene	15	5.0	ug/kg wet	20	ND	74	75-134			04/15/14	MS1.2 ***Low***
1,2,3-Trichloropropane	19	5.0	ug/kg wet	20	ND	96	83-122			04/15/14	
1,2,4-Trichlorobenzene	14	5.0	ug/kg wet	20	ND	69	68-141			04/15/14	
1,2,4-Trimethylbenzene	13	5.0	ug/kg wet	20	ND	66	85-120			04/15/14	MS1.2 ***Low***
1,2-Dibromoethane (EDB)	16	5.0	ug/kg wet	20	ND	79	88-119			04/15/14	MS1.2 ***Low***

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404662				Analyst: AMN		Prepared: 04/15/2014					
Matrix Spike (A404662-MS1)	**EPA 8260B - Quality Control**					**Source: A4D1204-01**					
1,2-Dichlorobenzene	15	5.0	ug/kg wet	20	ND	74	85-123			04/15/14	MS1.2 *Low*
1,2-Dichloroethane	16	5.0	ug/kg wet	20	ND	80	78-125			04/15/14	
1,2-Dichloropropane	15	5.0	ug/kg wet	20	ND	77	84-121			04/15/14	MS1.2 *Low*
1,3,5-Trimethylbenzene	14	5.0	ug/kg wet	20	ND	68	87-119			04/15/14	MS1.2 *Low*
1,3-Dichlorobenzene	13	5.0	ug/kg wet	20	ND	67	81-128			04/15/14	MS1.2 *Low*
1,3-Dichloropropane	18	5.0	ug/kg wet	20	ND	81	87-118			04/15/14	MS1.0 *Low*
1,4-Dichlorobenzene	14	5.0	ug/kg wet	20	ND	69	83-122			04/15/14	MS1.2 *Low*
2,2-Dichloropropane	12	5.0	ug/kg wet	20	ND	60	81-131			04/15/14	MS1.2 *Low*
2-Butanone	12	20	ug/kg wet	20	ND	61	48-157			04/15/14	
2-Chlorotoluene	13	5.0	ug/kg wet	20	ND	66	82-125			04/15/14	MS1.2 *Low*
2-Hexanone	14	20	ug/kg wet	20	ND	71	69-134			04/15/14	
4-Chlorotoluene	14	5.0	ug/kg wet	20	ND	70	82-127			04/15/14	MS1.2 *Low*
4-Methyl-2-pentanone	15	20	ug/kg wet	20	ND	49	76-121			04/15/14	MS1.2 *Low*
Acetone	6.9	50	ug/kg wet	20	ND	34	14-202			04/15/14	
Benzene	14	5.0	ug/kg wet	20	ND	71	82-122			04/15/14	MS1.2 *Low*
Bromobenzene	16	5.0	ug/kg wet	20	ND	78	88-120			04/15/14	MS1.0 *Low*
Bromochloromethane	15	5.0	ug/kg wet	20	ND	73	79-126			04/15/14	MS1.0 *Low*
Bromodichloromethane	16	5.0	ug/kg wet	20	ND	80	70-141			04/15/14	
Bromoform	17	5.0	ug/kg wet	20	ND	86	64-151			04/15/14	
Bromomethane	13	5.0	ug/kg wet	20	ND	66	51-159			04/15/14	
Carbon disulfide	11	5.0	ug/kg wet	20	ND	56	64-150			04/15/14	MS1.2 *Low*
Carbon Tetrachloride	13	5.0	ug/kg wet	20	ND	67	65-147			04/15/14	
Chlorobenzene	15	5.0	ug/kg wet	20	ND	75	89-120			04/15/14	MS1.2 *Low*
Chloroethane	15	5.0	ug/kg wet	20	ND	74	65-146			04/15/14	
Chloroform	14	5.0	ug/kg wet	20	ND	69	79-122			04/15/14	MS1.2 *Low*
Chloromethane	14	5.0	ug/kg wet	20	ND	72	67-129			04/15/14	
cis-1,2-Dichloroethene	15	5.0	ug/kg wet	20	ND	74	83-123			04/15/14	MS1.2 *Low*
cis-1,3-Dichloropropene	14	5.0	ug/kg wet	20	ND	72	84-124			04/15/14	MS1.2 *Low*
Dibromochloromethane	15	5.0	ug/kg wet	20	ND	75	68-148			04/15/14	
Dibromochloropropane (DBCP)	19	5.0	ug/kg wet	20	ND	95	77-132			04/15/14	
Dibromomethane	16	5.0	ug/kg wet	20	ND	79	81-122			04/15/14	MS1.0 *Low*
Dichlorodifluoromethane	13	5.0	ug/kg wet	20	ND	65	54-139			04/15/14	
Dichloromethane	16	5.0	ug/kg wet	20	ND	80	78-122			04/15/14	
Ethylbenzene	13	5.0	ug/kg wet	20	ND	83	87-117			04/15/14	MS1.2 *Low*
Hexachlorobutadiene	13	5.0	ug/kg wet	20	ND	65	75-139			04/15/14	MS1.2 *Low*
Hexachloroethane	14	50	ug/kg wet	20	ND	68	62-159			04/15/14	
Iodomethane	14	50	ug/kg wet	20	ND	68	53-154			04/15/14	
Isopropylbenzene	14	5.0	ug/kg wet	20	ND	70	84-123			04/15/14	MS1.2 *Low*
m,p-Xylenes	27	5.0	ug/kg wet	40	ND	68	86-120			04/15/14	MS1.2 *Low*
Methyl-t-butyl ether	34	5.0	ug/kg wet	40	ND	86	83-118			04/15/14	
Naphthalene	14	5.0	ug/kg wet	20	ND	72	64-122			04/15/14	MS1.0 *Low*
n-Butylbenzene	12	5.0	ug/kg wet	20	ND	61	76-129			04/15/14	MS1.2 *Low*
n-Propylbenzene	13	5.0	ug/kg wet	20	ND	66	80-128			04/15/14	MS1.2 *Low*
o-Xylene	14	5.0	ug/kg wet	20	ND	71	86-122			04/15/14	MS1.2 *Low*
p-Isopropyltoluene	13	5.0	ug/kg wet	20	ND	63	83-124			04/15/14	MS1.2 *Low*
sec-Butylbenzene	13	5.0	ug/kg wet	20	ND	66	85-123			04/15/14	MS1.2 *Low*
Styrene	14	5.0	ug/kg wet	20	ND	71	89-115			04/15/14	MS1.2 *Low*
tert-Butylbenzene	12	5.0	ug/kg wet	20	ND	59	80-134			04/15/14	MS1.2 *Low*
Tetrachloroethene (PCE)	18	5.0	ug/kg wet	20	ND	88	88-124			04/15/14	

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404662				Analyst: AMN		Prepared: 04/15/2014					
Matrix Spike (A404662-MS1)	**EPA 8260B - Quality Control**					**Source: A4D1204-01**					
Toluene	16	5.0	ug/kg wet	20	ND	79	88-118			04/15/14	MS1.2 ***Low***
trans-1,2-Dichloroethene	14	5.0	ug/kg wet	20	ND	71	80-124			04/15/14	MS1.2 ***Low***
trans-1,3-Dichloropropene	15	5.0	ug/kg wet	20	ND	74	90-121			04/15/14	MS1.2 ***Low***
Trichloroethene (TCE)	14	5.0	ug/kg wet	20	ND	69	83-125			04/15/14	MS1.2 ***Low***
Trichlorofluoromethane	11	5.0	ug/kg wet	20	ND	55	63-144			04/15/14	MS1.0 ***Low***
Vinyl Chloride	14	5.0	ug/kg wet	20	ND	68	66-137			04/15/14	
Surrogate: 1,2-Dichloroethane-d4	*500*			*500*		*100*	*70-130*			04/15/14	
Surrogate: Bromofluorobenzene	*530*			*500*		*105*	*70-130*			04/15/14	
Surrogate: Toluene-d8	*450*			*500*		*90*	*70-130*			04/15/14	
Matrix Spike Dup (A404662-MSD1)	**EPA 8260B - Quality Control**					**Source: A4D1204-01**					
1,1,1,2-Tetrachloroethane	17	5.0	ug/kg wet	20	ND	86	80-133	16	30	04/15/14	
1,1,1-Trichloroethane	13	5.0	ug/kg wet	20	ND	64	82-126	8	30	04/15/14	MS1.2 ***Low***
1,1,2,2-Tetrachloroethane	24	5.0	ug/kg wet	20	ND	119	83-119	34	30	04/15/14	MS1.0
1,1,2-Trichloroethane	22	5.0	ug/kg wet	20	ND	108	87-117	29	30	04/15/14	
1,1-Dichloroethane	14	5.0	ug/kg wet	20	ND	70	79-124	7	30	04/15/14	MS1.2 ***Low***
1,1-Dichloroethene	12	5.0	ug/kg wet	20	ND	60	78-127	7	30	04/15/14	MS1.2 ***Low***
1,1-Dichloropropene	13	5.0	ug/kg wet	20	ND	63	78-126	1	30	04/15/14	MS1.2 ***Low***
1,2,3-Trichlorobenzene	24	5.0	ug/kg wet	20	ND	119	75-134	47	30	04/15/14	MS1.2
1,2,3-Trichloropropane	25	5.0	ug/kg wet	20	ND	124	83-122	26	30	04/15/14	MS1.0 ***High***
1,2,4-Trichlorobenzene	22	5.0	ug/kg wet	20	ND	111	68-141	47	30	04/15/14	MS1.0
1,2,4-Trimethylbenzene	15	5.0	ug/kg wet	20	ND	77	85-120	14	30	04/15/14	MS1.2 ***Low***
1,2-Dibromoethane (EDB)	22	5.0	ug/kg wet	20	ND	110	88-119	33	30	04/15/14	MS2.1
1,2-Dichlorobenzene	16	5.0	ug/kg wet	20	ND	81	85-123	10	30	04/15/14	MS1.2 ***Low***
1,2-Dichloroethane	16	5.0	ug/kg wet	20	ND	82	78-125	3	30	04/15/14	
1,2-Dichloropropane	16	5.0	ug/kg wet	20	ND	82	84-121	6	30	04/15/14	MS1.2 ***Low***
1,3,5-Trimethylbenzene	16	5.0	ug/kg wet	20	ND	79	87-119	15	30	04/15/14	MS1.2 ***Low***
1,3-Dichlorobenzene	15	5.0	ug/kg wet	20	ND	76	81-128	12	30	04/15/14	MS1.2 ***Low***
1,3-Dichloropropane	21	5.0	ug/kg wet	20	ND	103	87-118	23	30	04/15/14	
1,4-Dichlorobenzene	16	5.0	ug/kg wet	20	ND	80	83-122	14	30	04/15/14	MS1.2 ***Low***
2,2-Dichloropropane	11	5.0	ug/kg wet	20	ND	53	81-131	12	30	04/15/14	MS1.2 ***Low***
2-Butanone	17	20	ug/kg wet	20	ND	84	48-157	32	30	04/15/14	MS2.0
2-Chlorotoluene	14	5.0	ug/kg wet	20	ND	72	82-125	8	30	04/15/14	MS1.2 ***Low***
2-Hexanone	22	20	ug/kg wet	20	ND	109	69-134	43	30	04/15/14	MS2.0
4-Chlorotoluene	16	5.0	ug/kg wet	20	ND	80	82-127	14	30	04/15/14	MS1.2 ***Low***
4-Methyl-2-pentanone	19	20	ug/kg wet	20	ND	72	76-121	27	30	04/15/14	MS1.2 ***Low***
Acetone	13	50	ug/kg wet	20	ND	63	14-202	60	30	04/15/14	MS2.0
Benzene	15	5.0	ug/kg wet	20	ND	73	82-122	3	30	04/15/14	MS1.2 ***Low***
Bromobenzene	19	5.0	ug/kg wet	20	ND	93	88-120	17	30	04/15/14	
Bromochloromethane	18	5.0	ug/kg wet	20	ND	89	79-126	19	30	04/15/14	
Bromodichloromethane	17	5.0	ug/kg wet	20	ND	87	70-141	8	30	04/15/14	
Bromoform	22	5.0	ug/kg wet	20	ND	112	64-151	26	30	04/15/14	
Bromomethane	15	5.0	ug/kg wet	20	ND	76	51-159	14	30	04/15/14	
Carbon disulfide	12	5.0	ug/kg wet	20	ND	62	64-150	9	30	04/15/14	MS1.2 ***Low***
Carbon Tetrachloride	13	5.0	ug/kg wet	20	ND	65	65-147	3	30	04/15/14	
Chlorobenzene	16	5.0	ug/kg wet	20	ND	81	89-120	7	30	04/15/14	MS1.2 ***Low***
Chloroethane	14	5.0	ug/kg wet	20	ND	70	65-146	6	30	04/15/14	
Chloroform	14	5.0	ug/kg wet	20	ND	70	79-122	2	30	04/15/14	MS1.2 ***Low***

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404662				Analyst: AMN		Prepared: 04/15/2014					
Matrix Spike Dup (A404662-MSD1)	**EPA 8260B - Quality Control**					**Source: A4D1204-01**					
Chloromethane	14	5.0	ug/kg wet	20	ND	68	67-129	6	30	04/15/14	
cis-1,2-Dichloroethene	14	5.0	ug/kg wet	20	ND	70	83-123	5	30	04/15/14	MS1.2 ***Low***
cis-1,3-Dichloropropene	15	5.0	ug/kg wet	20	ND	76	84-124	5	30	04/15/14	MS1.2 ***Low***
Dibromochloromethane	19	5.0	ug/kg wet	20	ND	97	68-148	26	30	04/15/14	
Dibromochloropropane (DBCP)	25	5.0	ug/kg wet	20	ND	123	77-132	26	30	04/15/14	
Dibromomethane	19	5.0	ug/kg wet	20	ND	93	81-122	17	30	04/15/14	
Dichlorodifluoromethane	12	5.0	ug/kg wet	20	ND	61	54-139	6	30	04/15/14	
Dichloromethane	14	5.0	ug/kg wet	20	ND	68	76-122	17	30	04/15/14	MS1.0 ***Low***
Ethylbenzene	13	5.0	ug/kg wet	20	ND	66	87-117	5	30	04/15/14	MS1.2 ***Low***
Hexachlorobutadiene	13	5.0	ug/kg wet	20	ND	66	75-139	1	30	04/15/14	MS1.2 ***Low***
Hexachloroethane	16	50	ug/kg wet	20	ND	81	62-159	18	30	04/15/14	
Iodomethane	14	50	ug/kg wet	20	ND	68	53-154	1	30	04/15/14	
Isopropylbenzene	14	5.0	ug/kg wet	20	ND	70	84-123	1	30	04/15/14	MS1.2 ***Low***
m,p-Xylenes	28	5.0	ug/kg wet	40	ND	70	86-120	2	30	04/15/14	MS1.2 ***Low***
Methyl-t-butyl ether	37	5.0	ug/kg wet	40	ND	94	83-118	8	30	04/15/14	
Naphthalene	33	5.0	ug/kg wet	20	ND	165	84-122	78	30	04/15/14	MS2.1 ***High***
n-Butylbenzene	14	5.0	ug/kg wet	20	ND	70	76-129	13	30	04/15/14	MS1.0 MS1.2 ***Low***
n-Propylbenzene	14	5.0	ug/kg wet	20	ND	70	80-128	6	30	04/15/14	MS1.2 ***Low***
o-Xylene	15	5.0	ug/kg wet	20	ND	77	86-122	8	30	04/15/14	MS1.2 ***Low***
p-Isopropyltoluene	13	5.0	ug/kg wet	20	ND	66	83-124	5	30	04/15/14	MS1.2 ***Low***
sec-Butylbenzene	13	5.0	ug/kg wet	20	ND	66	85-123	1	30	04/15/14	MS1.2 ***Low***
Styrene	16	5.0	ug/kg wet	20	ND	78	89-115	10	30	04/15/14	MS1.2 ***Low***
tert-Butylbenzene	12	5.0	ug/kg wet	20	ND	61	80-134	4	30	04/15/14	MS1.2 ***Low***
Tetrachloroethene (PCE)	21	5.0	ug/kg wet	20	ND	105	88-124	18	30	04/15/14	
Toluene	13	5.0	ug/kg wet	20	ND	67	88-118	16	30	04/15/14	MS1.2 ***Low***
trans-1,2-Dichloroethene	13	5.0	ug/kg wet	20	ND	66	80-124	6	30	04/15/14	MS1.2 ***Low***
trans-1,3-Dichloropropene	18	5.0	ug/kg wet	20	ND	89	90-121	19	30	04/15/14	MS1.2 ***Low***
Trichloroethene (TCE)	14	5.0	ug/kg wet	20	ND	68	83-125	1	30	04/15/14	MS1.2 ***Low***
Trichlorofluoromethane	15	5.0	ug/kg wet	20	ND	74	63-144	30	30	04/15/14	
Vinyl Chloride	12	5.0	ug/kg wet	20	ND	60	66-137	12	30	04/15/14	MS1.0 ***Low***
Surrogate: 1,2-Dichloroethane-d4	*500*			*500*		*100*	*70-130*			04/15/14	
Surrogate: Bromofluorobenzene	*530*			*500*		*107*	*70-130*			04/15/14	
Surrogate: Toluene-d8	*380*			*500*		*76*	*70-130*			04/15/14	
Batch: A404699				Analyst: AMN		Prepared: 04/16/2014					
Blank (A404699-BLK1)	**EPA 8260B - Quality Control**										
2-Butanone	ND	20	ug/kg wet							04/16/14	
Surrogate: 1,2-Dichloroethane-d4	*620*			*500*		*125*	*70-130*			04/16/14	
Blank Spike (A404699-BS1)	**EPA 8260B - Quality Control**										
2-Butanone	20	20	ug/kg wet	20		99	48-157			04/16/14	
Surrogate: 1,2-Dichloroethane-d4	*510*			*500*		*103*	*70-130*			04/16/14	
Blank Spike Dup (A404699-BSD1)	**EPA 8260B - Quality Control**										
2-Butanone	19	20	ug/kg wet	20		93	48-157	6	30	04/16/14	

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404699				Analyst: AMN		Prepared: 04/16/2014					
Blank Spike Dup (A404699-BSD1)	**EPA 8260B - Quality Control**										
Surrogate: 1,2-Dichloroethane-d4	*530*			*500*		*105*	*70-130*			04/16/14	
Batch: A404932				Analyst: AMN		Prepared: 04/21/2014					
Blank (A404932-BLK1)	**EPA 8260B - Quality Control**										
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet							04/21/14	
1,1,1-Trichloroethane	ND	5.0	ug/kg wet							04/21/14	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg wet							04/21/14	
1,1,2-Trichloroethane	ND	5.0	ug/kg wet							04/21/14	
1,1-Dichloroethane	ND	5.0	ug/kg wet							04/21/14	
1,1-Dichloroethene	ND	5.0	ug/kg wet							04/21/14	
1,1-Dichloropropene	ND	5.0	ug/kg wet							04/21/14	
1,2,3-Trichlorobenzene	ND	5.0	ug/kg wet							04/21/14	
1,2,3-Trichloropropane	ND	5.0	ug/kg wet							04/21/14	
1,2,4-Trichlorobenzene	ND	5.0	ug/kg wet							04/21/14	
1,2,4-Trimethylbenzene	ND	5.0	ug/kg wet							04/21/14	
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg wet							04/21/14	
1,2-Dichlorobenzene	ND	5.0	ug/kg wet							04/21/14	
1,2-Dichloroethane	ND	5.0	ug/kg wet							04/21/14	
1,2-Dichloropropane	ND	5.0	ug/kg wet							04/21/14	
1,3,5-Trimethylbenzene	ND	5.0	ug/kg wet							04/21/14	
1,3-Dichlorobenzene	ND	5.0	ug/kg wet							04/21/14	
1,3-Dichloropropane	ND	5.0	ug/kg wet							04/21/14	
1,4-Dichlorobenzene	ND	5.0	ug/kg wet							04/21/14	
2,2-Dichloropropane	ND	5.0	ug/kg wet							04/21/14	
2-Butanone	ND	20	ug/kg wet							04/21/14	
2-Chlorotoluene	ND	5.0	ug/kg wet							04/21/14	
2-Hexanone	ND	20	ug/kg wet							04/21/14	
4-Chlorotoluene	ND	5.0	ug/kg wet							04/21/14	
4-Methyl-2-pentanone	ND	20	ug/kg wet							04/21/14	
Acetone	ND	50	ug/kg wet							04/21/14	
Benzene	ND	5.0	ug/kg wet							04/21/14	
Bromobenzene	ND	5.0	ug/kg wet							04/21/14	
Bromochloromethane	ND	5.0	ug/kg wet							04/21/14	
Bromodichloromethane	ND	5.0	ug/kg wet							04/21/14	
Bromoform	ND	5.0	ug/kg wet							04/21/14	
Bromomethane	ND	5.0	ug/kg wet							04/21/14	
Carbon disulfide	ND	5.0	ug/kg wet							04/21/14	
Carbon Tetrachloride	ND	5.0	ug/kg wet							04/21/14	
Chlorobenzene	ND	5.0	ug/kg wet							04/21/14	
Chloroethane	ND	5.0	ug/kg wet							04/21/14	
Chloroform	ND	5.0	ug/kg wet							04/21/14	
Chloromethane	ND	5.0	ug/kg wet							04/21/14	
cis-1,2-Dichloroethene	ND	5.0	ug/kg wet							04/21/14	
cis-1,3-Dichloropropene	ND	5.0	ug/kg wet							04/21/14	
Dibromochloromethane	ND	5.0	ug/kg wet							04/21/14	
Dibromochloropropane (DBCP)	ND	5.0	ug/kg wet							04/21/14	
Dibromomethane	ND	5.0	ug/kg wet							04/21/14	
Dichlorodifluoromethane	ND	5.0	ug/kg wet							04/21/14	

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404932				Analyst: AMN		Prepared: 04/21/2014					
Blank (A404932-BLK1) EPA 8260B - Quality Control											
Dichloromethane	ND	5.0	ug/kg wet							04/21/14	
Ethylbenzene	ND	5.0	ug/kg wet							04/21/14	
Hexachlorobutadiene	ND	5.0	ug/kg wet							04/21/14	
Hexachloroethane	ND	50	ug/kg wet							04/21/14	
Iodomethane	ND	50	ug/kg wet							04/21/14	
Isopropylbenzene	ND	5.0	ug/kg wet							04/21/14	
m,p-Xylenes	ND	5.0	ug/kg wet							04/21/14	
Methyl-t-butyl ether	ND	5.0	ug/kg wet							04/21/14	B
Naphthalene	ND	5.0	ug/kg wet							04/21/14	
n-Butylbenzene	ND	5.0	ug/kg wet							04/21/14	
n-Propylbenzene	ND	5.0	ug/kg wet							04/21/14	
o-Xylene	ND	5.0	ug/kg wet							04/21/14	
p-Isopropyltoluene	ND	5.0	ug/kg wet							04/21/14	
sec-Butylbenzene	ND	5.0	ug/kg wet							04/21/14	
Styrene	ND	5.0	ug/kg wet							04/21/14	
tert-Butylbenzene	ND	5.0	ug/kg wet							04/21/14	
Tetrachloroethene (PCE)	ND	5.0	ug/kg wet							04/21/14	
Toluene	ND	5.0	ug/kg wet							04/21/14	
trans-1,2-Dichloroethene	ND	5.0	ug/kg wet							04/21/14	
trans-1,3-Dichloropropene	ND	5.0	ug/kg wet							04/21/14	
Trichloroethene (TCE)	ND	5.0	ug/kg wet							04/21/14	
Trichlorofluoromethane	ND	5.0	ug/kg wet							04/21/14	
Vinyl Chloride	ND	5.0	ug/kg wet							04/21/14	
Surrogate: 1,2-Dichloroethane-d4	*520*			*500*		*103*	*70-130*			04/21/14	
Surrogate: Bromofluorobenzene	*540*			*500*		*107*	*70-130*			04/21/14	
Surrogate: Toluene-d8	*490*			*500*		*98*	*70-130*			04/21/14	
Blank Spike (A404932-BS1) EPA 8260B - Quality Control											
1,1,1,2-Tetrachloroethane	21	5.0	ug/kg wet	20		104	80-133			04/21/14	
1,1,1-Trichloroethane	20	5.0	ug/kg wet	20		102	82-126			04/21/14	
1,1,2,2-Tetrachloroethane	23	5.0	ug/kg wet	20		114	83-119			04/21/14	
1,1,2-Trichloroethane	20	5.0	ug/kg wet	20		100	87-117			04/21/14	
1,1-Dichloroethane	20	5.0	ug/kg wet	20		101	79-124			04/21/14	
1,1-Dichloroethene	20	5.0	ug/kg wet	20		102	78-127			04/21/14	
1,1-Dichloropropene	21	5.0	ug/kg wet	20		105	78-126			04/21/14	
1,2,3-Trichlorobenzene	20	5.0	ug/kg wet	20		98	75-134			04/21/14	
1,2,3-Trichloropropane	23	5.0	ug/kg wet	20		114	83-122			04/21/14	
1,2,4-Trichlorobenzene	17	5.0	ug/kg wet	20		86	68-141			04/21/14	
1,2,4-Trimethylbenzene	18	5.0	ug/kg wet	20		90	85-120			04/21/14	
1,2-Dibromoethane (EDB)	21	5.0	ug/kg wet	20		104	88-119			04/21/14	
1,2-Dichlorobenzene	21	5.0	ug/kg wet	20		104	85-123			04/21/14	
1,2-Dichloroethane	21	5.0	ug/kg wet	20		103	78-125			04/21/14	
1,2-Dichloropropane	21	5.0	ug/kg wet	20		104	84-121			04/21/14	
1,3,5-Trimethylbenzene	19	5.0	ug/kg wet	20		93	87-119			04/21/14	
1,3-Dichlorobenzene	21	5.0	ug/kg wet	20		104	81-128			04/21/14	
1,3-Dichloropropane	20	5.0	ug/kg wet	20		102	87-118			04/21/14	
1,4-Dichlorobenzene	20	5.0	ug/kg wet	20		100	83-122			04/21/14	
2,2-Dichloropropane	20	5.0	ug/kg wet	20		101	81-131			04/21/14	

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404932				Analyst: AMN		Prepared: 04/21/2014					
Blank Spike (A404932-BS1)	**EPA 8260B - Quality Control**										
2-Butanone	22	20	ug/kg wet	20		112	48-157			04/21/14	
2-Chlorotoluene	20	5.0	ug/kg wet	20		98	82-125			04/21/14	
2-Hexanone	23	20	ug/kg wet	20		114	69-134			04/21/14	
4-Chlorotoluene	19	5.0	ug/kg wet	20		96	82-127			04/21/14	
4-Methyl-2-pentanone	22	20	ug/kg wet	20		110	76-121			04/21/14	
Acetone	25	50	ug/kg wet	20		123	14-202			04/21/14	
Benzene	20	5.0	ug/kg wet	20		102	82-122			04/21/14	
Bromobenzene	21	5.0	ug/kg wet	20		103	88-120			04/21/14	
Bromochloromethane	20	5.0	ug/kg wet	20		100	79-126			04/21/14	
Bromodichloromethane	20	5.0	ug/kg wet	20		100	70-141			04/21/14	
Bromoform	23	5.0	ug/kg wet	20		115	64-151			04/21/14	
Bromomethane	23	5.0	ug/kg wet	20		117	51-159			04/21/14	
Carbon disulfide	21	5.0	ug/kg wet	20		104	64-150			04/21/14	
Carbon Tetrachloride	20	5.0	ug/kg wet	20		102	65-147			04/21/14	
Chlorobenzene	19	5.0	ug/kg wet	20		97	89-120			04/21/14	
Chloroethane	21	5.0	ug/kg wet	20		103	65-146			04/21/14	
Chloroform	21	5.0	ug/kg wet	20		104	79-122			04/21/14	
Chloromethane	19	5.0	ug/kg wet	20		95	67-129			04/21/14	
cis-1,2-Dichloroethene	20	5.0	ug/kg wet	20		100	83-123			04/21/14	
cis-1,3-Dichloropropene	21	5.0	ug/kg wet	20		105	84-124			04/21/14	
Dibromochloromethane	21	5.0	ug/kg wet	20		105	68-148			04/21/14	
Dibromochloropropane (DBCP)	22	5.0	ug/kg wet	20		112	77-132			04/21/14	
Dibromomethane	21	5.0	ug/kg wet	20		103	61-122			04/21/14	
Dichlorodifluoromethane	21	5.0	ug/kg wet	20		106	54-139			04/21/14	
Dichloromethane	20	5.0	ug/kg wet	20		101	78-122			04/21/14	
Ethylbenzene	20	5.0	ug/kg wet	20		101	87-117			04/21/14	
Hexachlorobutadiene	22	5.0	ug/kg wet	20		109	75-139			04/21/14	
Hexachloroethane	22	50	ug/kg wet	20		111	62-159			04/21/14	
Iodomethane	22	50	ug/kg wet	20		108	53-154			04/21/14	
Isopropylbenzene	20	5.0	ug/kg wet	20		102	84-123			04/21/14	
m,p-Xylenes	37	5.0	ug/kg wet	40		93	86-120			04/21/14	
Methyl-t-butyl ether	47	5.0	ug/kg wet	40		116	83-118			04/21/14	
Naphthalene	24	5.0	ug/kg wet	20		121	84-122			04/21/14	
n-Butylbenzene	18	5.0	ug/kg wet	20		91	76-129			04/21/14	
n-Propylbenzene	21	5.0	ug/kg wet	20		103	80-128			04/21/14	
o-Xylene	18	5.0	ug/kg wet	20		92	86-122			04/21/14	
p-Isopropyltoluene	20	5.0	ug/kg wet	20		99	83-124			04/21/14	
sec-Butylbenzene	21	5.0	ug/kg wet	20		104	85-123			04/21/14	
Styrene	19	5.0	ug/kg wet	20		93	89-115			04/21/14	
tert-Butylbenzene	21	5.0	ug/kg wet	20		105	80-134			04/21/14	
Tetrachloroethene (PCE)	19	5.0	ug/kg wet	20		95	88-124			04/21/14	
Toluene	20	5.0	ug/kg wet	20		102	88-118			04/21/14	
trans-1,2-Dichloroethene	21	5.0	ug/kg wet	20		104	80-124			04/21/14	
trans-1,3-Dichloropropene	20	5.0	ug/kg wet	20		102	90-121			04/21/14	
Trichloroethene (TCE)	21	5.0	ug/kg wet	20		104	83-125			04/21/14	
Trichlorofluoromethane	22	5.0	ug/kg wet	20		110	63-144			04/21/14	
Vinyl Chloride	24	5.0	ug/kg wet	20		119	66-137			04/21/14	
Surrogate: 1,2-Dichloroethane-d4	*510*			*500*		*103*	*70-130*			04/21/14	
Surrogate: Bromofluorobenzene	*510*			*500*		*102*	*70-130*			04/21/14	

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404932				Analyst: AMN		Prepared: 04/21/2014					
Blank Spike (A404932-BS1)	**EPA 8260B - Quality Control**										
Surrogate: Toluene-d8	*480*			*500*		*96*	*70-130*			04/21/14	
Blank Spike Dup (A404932-BSD1)	**EPA 8260B - Quality Control**										
1,1,1,2-Tetrachloroethane	21	5.0	ug/kg wet	20		106	80-133	2	30	04/21/14	
1,1,1-Trichloroethane	21	5.0	ug/kg wet	20		103	82-126	2	30	04/21/14	
1,1,2,2-Tetrachloroethane	22	5.0	ug/kg wet	20		108	83-119	5	30	04/21/14	
1,1,2-Trichloroethane	21	5.0	ug/kg wet	20		107	87-117	7	30	04/21/14	
1,1-Dichloroethane	22	5.0	ug/kg wet	20		109	79-124	7	30	04/21/14	
1,1-Dichloroethene	22	5.0	ug/kg wet	20		108	78-127	5	30	04/21/14	
1,1-Dichloropropene	22	5.0	ug/kg wet	20		112	78-126	7	30	04/21/14	
1,2,3-Trichlorobenzene	20	5.0	ug/kg wet	20		98	75-134	0	30	04/21/14	
1,2,3-Trichloropropane	22	5.0	ug/kg wet	20		108	83-122	5	30	04/21/14	
1,2,4-Trichlorobenzene	20	5.0	ug/kg wet	20		98	68-141	12	30	04/21/14	
1,2,4-Trimethylbenzene	20	5.0	ug/kg wet	20		100	85-120	10	30	04/21/14	
1,2-Dibromoethane (EDB)	22	5.0	ug/kg wet	20		111	88-119	7	30	04/21/14	
1,2-Dichlorobenzene	21	5.0	ug/kg wet	20		106	85-123	2	30	04/21/14	
1,2-Dichloroethane	21	5.0	ug/kg wet	20		105	78-125	3	30	04/21/14	
1,2-Dichloropropane	21	5.0	ug/kg wet	20		107	84-121	2	30	04/21/14	
1,3,5-Trimethylbenzene	21	5.0	ug/kg wet	20		104	87-119	12	30	04/21/14	
1,3-Dichlorobenzene	20	5.0	ug/kg wet	20		100	81-128	3	30	04/21/14	
1,3-Dichloropropane	22	5.0	ug/kg wet	20		109	87-118	6	30	04/21/14	
1,4-Dichlorobenzene	21	5.0	ug/kg wet	20		104	83-122	5	30	04/21/14	
2,2-Dichloropropane	21	5.0	ug/kg wet	20		107	81-131	6	30	04/21/14	
2-Butanone	21	20	ug/kg wet	20		104	48-157	8	30	04/21/14	
2-Chlorotoluene	20	5.0	ug/kg wet	20		100	82-125	3	30	04/21/14	
2-Hexanone	22	20	ug/kg wet	20		111	69-134	3	30	04/21/14	
4-Chlorotoluene	19	5.0	ug/kg wet	20		97	82-127	1	30	04/21/14	
4-Methyl-2-pentanone	20	20	ug/kg wet	20		101	76-121	8	30	04/21/14	
Acetone	24	50	ug/kg wet	20		119	14-202	3	30	04/21/14	
Benzene	22	5.0	ug/kg wet	20		108	82-122	5	30	04/21/14	
Bromobenzene	21	5.0	ug/kg wet	20		105	88-120	1	30	04/21/14	
Bromochloromethane	21	5.0	ug/kg wet	20		106	79-126	6	30	04/21/14	
Bromodichloromethane	22	5.0	ug/kg wet	20		111	70-141	10	30	04/21/14	
Bromoform	22	5.0	ug/kg wet	20		109	64-151	5	30	04/21/14	
Bromomethane	29	5.0	ug/kg wet	20		145	51-159	21	30	04/21/14	
Carbon disulfide	22	5.0	ug/kg wet	20		109	64-150	5	30	04/21/14	
Carbon Tetrachloride	21	5.0	ug/kg wet	20		104	65-147	2	30	04/21/14	
Chlorobenzene	20	5.0	ug/kg wet	20		100	89-120	3	30	04/21/14	
Chloroethane	22	5.0	ug/kg wet	20		108	65-146	4	30	04/21/14	
Chloroform	22	5.0	ug/kg wet	20		112	79-122	8	30	04/21/14	
Chloromethane	19	5.0	ug/kg wet	20		94	67-129	1	30	04/21/14	
cis-1,2-Dichloroethene	21	5.0	ug/kg wet	20		107	83-123	6	30	04/21/14	
cis-1,3-Dichloropropene	23	5.0	ug/kg wet	20		113	84-124	7	30	04/21/14	
Dibromochloromethane	22	5.0	ug/kg wet	20		111	68-148	5	30	04/21/14	
Dibromochloropropane (DBCP)	22	5.0	ug/kg wet	20		110	77-132	2	30	04/21/14	
Dibromomethane	21	5.0	ug/kg wet	20		107	81-122	3	30	04/21/14	
Dichlorodifluoromethane	23	5.0	ug/kg wet	20		115	54-139	8	30	04/21/14	
Dichloromethane	22	5.0	ug/kg wet	20		109	78-122	8	30	04/21/14	

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404932				Analyst: AMN		Prepared: 04/21/2014					
Blank Spike Dup (A404932-BSD1)	**EPA 8260B - Quality Control**										
Ethylbenzene	21	5.0	ug/kg wet	20		104	87-117	3	30	04/21/14	
Hexachlorobutadiene	20	5.0	ug/kg wet	20		98	75-139	11	30	04/21/14	
Hexachloroethane	22	50	ug/kg wet	20		111	62-159	0	30	04/21/14	
Iodomethane	22	50	ug/kg wet	20		110	53-154	2	30	04/21/14	
Isopropylbenzene	21	5.0	ug/kg wet	20		104	84-123	2	30	04/21/14	
m,p-Xylenes	40	5.0	ug/kg wet	40		99	86-120	6	30	04/21/14	
Methyl-t-butyl ether	47	5.0	ug/kg wet	40		118	83-118	1	30	04/21/14	
Naphthalene	24	5.0	ug/kg wet	20		119	84-122	2	30	04/21/14	
n-Butylbenzene	19	5.0	ug/kg wet	20		97	76-129	6	30	04/21/14	
n-Propylbenzene	21	5.0	ug/kg wet	20		106	80-128	2	30	04/21/14	
o-Xylene	19	5.0	ug/kg wet	20		97	86-122	5	30	04/21/14	
p-Isopropyltoluene	21	5.0	ug/kg wet	20		104	83-124	5	30	04/21/14	
sec-Butylbenzene	21	5.0	ug/kg wet	20		107	85-123	3	30	04/21/14	
Styrene	20	5.0	ug/kg wet	20		102	89-115	8	30	04/21/14	
tert-Butylbenzene	21	5.0	ug/kg wet	20		104	80-134	2	30	04/21/14	
Tetrachloroethene (PCE)	19	5.0	ug/kg wet	20		96	88-124	1	30	04/21/14	
Toluene	21	5.0	ug/kg wet	20		103	88-118	2	30	04/21/14	
trans-1,2-Dichloroethene	21	5.0	ug/kg wet	20		105	80-124	1	30	04/21/14	
trans-1,3-Dichloropropene	21	5.0	ug/kg wet	20		107	90-121	5	30	04/21/14	
Trichloroethene (TCE)	21	5.0	ug/kg wet	20		107	83-125	3	30	04/21/14	
Trichlorofluoromethane	23	5.0	ug/kg wet	20		113	63-144	3	30	04/21/14	
Vinyl Chloride	24	5.0	ug/kg wet	20		120	66-137	1	30	04/21/14	
Surrogate: 1,2-Dichloroethane-d4	*510*			*500*		*102*	*70-130*			04/21/14	
Surrogate: Bromofluorobenzene	*490*			*500*		*97*	*70-130*			04/21/14	
Surrogate: Toluene-d8	*470*			*500*		*94*	*70-130*			04/21/14	
Matrix Spike (A404932-MS1)	**EPA 8260B - Quality Control**					**Source: A4D1664-01**					
1,1,1,2-Tetrachloroethane	22	5.0	ug/kg wet	20	ND	109	80-133			04/21/14	
1,1,1-Trichloroethane	21	5.0	ug/kg wet	20	ND	107	82-126			04/21/14	
1,1,2,2-Tetrachloroethane	15	5.0	ug/kg wet	20	ND	76	83-119			04/21/14	MS1.2 ***Low***
1,1,2-Trichloroethane	20	5.0	ug/kg wet	20	ND	100	87-117			04/21/14	
1,1-Dichloroethane	22	5.0	ug/kg wet	20	ND	110	79-124			04/21/14	
1,1-Dichloroethene	22	5.0	ug/kg wet	20	ND	109	78-127			04/21/14	
1,1-Dichloropropene	22	5.0	ug/kg wet	20	ND	110	78-126			04/21/14	
1,2,3-Trichlorobenzene	21	5.0	ug/kg wet	20	ND	99	75-134			04/21/14	
1,2,3-Trichloropropane	20	5.0	ug/kg wet	20	ND	102	83-122			04/21/14	
1,2,4-Trichlorobenzene	18	5.0	ug/kg wet	20	ND	89	68-141			04/21/14	
1,2,4-Trimethylbenzene	7.5	5.0	ug/kg wet	20	ND	32	85-120			04/21/14	MS1.2 ***Low***
1,2-Dibromoethane (EDB)	21	5.0	ug/kg wet	20	ND	104	88-119			04/21/14	
1,2-Dichlorobenzene	22	5.0	ug/kg wet	20	ND	108	85-123			04/21/14	
1,2-Dichloroethane	21	5.0	ug/kg wet	20	ND	106	78-125			04/21/14	
1,2-Dichloropropane	20	5.0	ug/kg wet	20	ND	101	84-121			04/21/14	
1,3,5-Trimethylbenzene	22	5.0	ug/kg wet	20	ND	112	87-119			04/21/14	
1,3-Dichlorobenzene	22	5.0	ug/kg wet	20	ND	108	81-128			04/21/14	
1,3-Dichloropropane	21	5.0	ug/kg wet	20	ND	103	87-118			04/21/14	
1,4-Dichlorobenzene	21	5.0	ug/kg wet	20	ND	105	83-122			04/21/14	
2,2-Dichloropropane	22	5.0	ug/kg wet	20	ND	111	81-131			04/21/14	
2-Butanone	10	20	ug/kg wet	20	ND	52	48-157			04/21/14	

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404932				Analyst: AMN		Prepared: 04/21/2014					
Matrix Spike (A404932-MS1)	**EPA 8260B - Quality Control**					**Source: A4D1664-01**					
2-Chlorotoluene	21	5.0	ug/kg wet	20	ND	105	82-125			04/21/14	
2-Hexanone	6.4	20	ug/kg wet	20	ND	32	69-134			04/21/14	MS1.2 ***Low***
4-Chlorotoluene	19	5.0	ug/kg wet	20	ND	94	82-127			04/21/14	
4-Methyl-2-pentanone	7.5	20	ug/kg wet	20	ND	18	76-121			04/21/14	MS1.2 ***Low***
Acetone	33	50	ug/kg wet	20	ND	105	14-202			04/21/14	
Benzene	21	5.0	ug/kg wet	20	ND	105	82-122			04/21/14	
Bromobenzene	20	5.0	ug/kg wet	20	ND	99	88-120			04/21/14	
Bromochloromethane	21	5.0	ug/kg wet	20	ND	104	79-126			04/21/14	
Bromodichloromethane	20	5.0	ug/kg wet	20	ND	100	70-141			04/21/14	
Bromoform	21	5.0	ug/kg wet	20	ND	103	64-151			04/21/14	
Bromomethane	23	5.0	ug/kg wet	20	ND	113	51-159			04/21/14	
Carbon disulfide	21	5.0	ug/kg wet	20	ND	99	64-150			04/21/14	
Carbon Tetrachloride	21	5.0	ug/kg wet	20	ND	107	85-147			04/21/14	
Chlorobenzene	20	5.0	ug/kg wet	20	ND	101	89-120			04/21/14	
Chloroethane	20	5.0	ug/kg wet	20	ND	101	65-146			04/21/14	
Chloroform	22	5.0	ug/kg wet	20	ND	109	79-122			04/21/14	
Chloromethane	21	5.0	ug/kg wet	20	ND	105	67-129			04/21/14	
cis-1,2-Dichloroethene	21	5.0	ug/kg wet	20	ND	105	83-123			04/21/14	
cis-1,3-Dichloropropene	22	5.0	ug/kg wet	20	ND	111	84-124			04/21/14	
Dibromochloromethane	20	5.0	ug/kg wet	20	ND	102	68-148			04/21/14	
Dibromochloropropane (DBCP)	21	5.0	ug/kg wet	20	ND	107	77-132			04/21/14	
Dibromomethane	22	5.0	ug/kg wet	20	ND	108	81-122			04/21/14	
Dichlorodifluoromethane	20	5.0	ug/kg wet	20	ND	98	54-139			04/21/14	
Dichloromethane	22	5.0	ug/kg wet	20	ND	103	78-122			04/21/14	
Ethylbenzene	19	5.0	ug/kg wet	20	ND	96	87-117			04/21/14	
Hexachlorobutadiene	18	5.0	ug/kg wet	20	ND	89	75-139			04/21/14	
Hexachloroethane	19	50	ug/kg wet	20	ND	95	62-159			04/21/14	
Iodomethane	20	50	ug/kg wet	20	ND	98	53-154			04/21/14	
Isopropylbenzene	20	5.0	ug/kg wet	20	ND	101	84-123			04/21/14	
m,p-Xylenes	27	5.0	ug/kg wet	40	ND	64	86-120			04/21/14	MS1.2 ***Low***
Methyl-t-butyl ether	49	5.0	ug/kg wet	40	ND	117	83-118			04/21/14	
Naphthalene	11	5.0	ug/kg wet	20	ND	52	84-122			04/21/14	MS1.2 ***Low***
n-Butylbenzene	21	5.0	ug/kg wet	20	ND	104	78-129			04/21/14	
n-Propylbenzene	20	5.0	ug/kg wet	20	ND	101	80-128			04/21/14	
o-Xylene	21	5.0	ug/kg wet	20	ND	97	86-122			04/21/14	
p-Isopropyltoluene	22	5.0	ug/kg wet	20	ND	108	83-124			04/21/14	
sec-Butylbenzene	22	5.0	ug/kg wet	20	ND	109	85-123			04/21/14	
Styrene	19	5.0	ug/kg wet	20	ND	96	89-115			04/21/14	
tert-Butylbenzene	18	5.0	ug/kg wet	20	ND	89	80-134			04/21/14	
Tetrachloroethene (PCE)	32	5.0	ug/kg wet	20	ND	161	88-124			04/21/14	MS1.1 ***High***
Toluene	20	5.0	ug/kg wet	20	ND	101	88-118			04/21/14	
trans-1,2-Dichloroethene	21	5.0	ug/kg wet	20	ND	105	80-124			04/21/14	
trans-1,3-Dichloropropene	19	5.0	ug/kg wet	20	ND	96	90-121			04/21/14	
Trichloroethene (TCE)	26	5.0	ug/kg wet	20	ND	131	83-125			04/21/14	MS1.0 ***High***
Trichlorofluoromethane	22	5.0	ug/kg wet	20	ND	111	63-144			04/21/14	
Vinyl Chloride	24	5.0	ug/kg wet	20	ND	119	66-137			04/21/14	
Surrogate: 1,2-Dichloroethane-d4	*500*			*500*		*100*	*70-130*			04/21/14	
Surrogate: Bromofluorobenzene	*490*			*500*		*97*	*70-130*			04/21/14	

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BSK Associates
Engineers & Laboratories

Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404932				Analyst: AMN		Prepared: 04/21/2014					
Matrix Spike (A404932-MS1)	**EPA 8260B - Quality Control**					**Source: A4D1664-01**					
Surrogate: Toluene-d8	*460*			*500*		*92*	*70-130*			04/21/14	
Matrix Spike Dup (A404932-MSD1)	**EPA 8260B - Quality Control**					**Source: A4D1664-01**					
1,1,1,2-Tetrachloroethane	17	5.0	ug/kg wet	20	ND	84	80-133	26	30	04/21/14	
1,1,1-Trichloroethane	18	5.0	ug/kg wet	20	ND	90	82-126	18	30	04/21/14	
1,1,2,2-Tetrachloroethane	11	5.0	ug/kg wet	20	ND	53	83-119	36	30	04/21/14	MS1.2 ***Low***, MS2.1
1,1,2-Trichloroethane	16	5.0	ug/kg wet	20	ND	79	87-117	23	30	04/21/14	MS1.0 ***Low***
1,1-Dichloroethane	19	5.0	ug/kg wet	20	ND	94	79-124	15	30	04/21/14	
1,1-Dichloroethene	19	5.0	ug/kg wet	20	ND	95	78-127	14	30	04/21/14	
1,1-Dichloropropene	19	5.0	ug/kg wet	20	ND	94	78-126	15	30	04/21/14	
1,2,3-Trichlorobenzene	14	5.0	ug/kg wet	20	ND	64	75-134	40	30	04/21/14	MS1.0 ***Low***, MS2.1
1,2,3-Trichloropropane	12	5.0	ug/kg wet	20	ND	60	83-122	51	30	04/21/14	MS1.0 ***Low***, MS2.1
1,2,4-Trichlorobenzene	14	5.0	ug/kg wet	20	ND	70	68-141	25	30	04/21/14	
1,2,4-Trimethylbenzene	8.5	5.0	ug/kg wet	20	ND	37	85-120	12	30	04/21/14	MS1.2 ***Low***
1,2-Dibromoethane (EDB)	15	5.0	ug/kg wet	20	ND	76	88-119	32	30	04/21/14	MS1.0 ***Low***, MS2.1
1,2-Dichlorobenzene	16	5.0	ug/kg wet	20	ND	79	85-123	32	30	04/21/14	MS1.0 ***Low***, MS2.1
1,2-Dichloroethane	17	5.0	ug/kg wet	20	ND	84	78-125	23	30	04/21/14	
1,2-Dichloropropane	17	5.0	ug/kg wet	20	ND	85	84-121	18	30	04/21/14	
1,3,5-Trimethylbenzene	17	5.0	ug/kg wet	20	ND	84	87-119	29	30	04/21/14	MS1.0 ***Low***
1,3-Dichlorobenzene	16	5.0	ug/kg wet	20	ND	80	81-128	31	30	04/21/14	MS2.1 ***Low***
1,3-Dichloropropane	15	5.0	ug/kg wet	20	ND	76	87-118	30	30	04/21/14	MS1.0 ***Low***
1,4-Dichlorobenzene	17	5.0	ug/kg wet	20	ND	84	83-122	22	30	04/21/14	
2,2-Dichloropropane	18	5.0	ug/kg wet	20	ND	89	81-131	22	30	04/21/14	
2-Butanone	7.7	20	ug/kg wet	20	ND	39	48-157	29	30	04/21/14	MS1.0 ***Low***
2-Chlorotoluene	16	5.0	ug/kg wet	20	ND	80	82-125	27	30	04/21/14	MS1.0 ***Low***
2-Hexanone	4.7	20	ug/kg wet	20	ND	24	69-134	30	30	04/21/14	MS1.2 ***Low***
4-Chlorotoluene	14	5.0	ug/kg wet	20	ND	70	82-127	29	30	04/21/14	MS1.0 ***Low***
4-Methyl-2-pentanone	6.5	20	ug/kg wet	20	ND	13	76-121	15	30	04/21/14	MS1.2 ***Low***
Acetone	21	50	ug/kg wet	20	ND	45	14-202	44	30	04/21/14	MS2.0
Benzene	17	5.0	ug/kg wet	20	ND	85	82-122	22	30	04/21/14	
Bromobenzene	15	5.0	ug/kg wet	20	ND	74	88-120	28	30	04/21/14	MS1.0 ***Low***
Bromochloromethane	16	5.0	ug/kg wet	20	ND	81	79-126	25	30	04/21/14	
Bromodichloromethane	17	5.0	ug/kg wet	20	ND	84	70-141	18	30	04/21/14	
Bromoform	14	5.0	ug/kg wet	20	ND	72	64-151	35	30	04/21/14	MS2.0
Bromomethane	19	5.0	ug/kg wet	20	ND	96	51-159	16	30	04/21/14	
Carbon disulfide	18	5.0	ug/kg wet	20	ND	83	64-150	17	30	04/21/14	
Carbon Tetrachloride	18	5.0	ug/kg wet	20	ND	88	65-147	19	30	04/21/14	
Chlorobenzene	17	5.0	ug/kg wet	20	ND	83	89-120	20	30	04/21/14	MS1.0 ***Low***
Chloroethane	18	5.0	ug/kg wet	20	ND	91	65-146	11	30	04/21/14	
Chloroform	17	5.0	ug/kg wet	20	ND	87	79-122	23	30	04/21/14	
Chloromethane	17	5.0	ug/kg wet	20	ND	84	67-129	22	30	04/21/14	

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BSK Associates
Engineers & Laboratories

Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A404932				Analyst: AMN		Prepared: 04/21/2014					
Matrix Spike Dup (A404932-MSD1)	**EPA 8260B - Quality Control**					**Source: A4D1664-01**					
cis-1,2-Dichloroethene	17	5.0	ug/kg wet	20	ND	87	83-123	18	30	04/21/14	
cis-1,3-Dichloropropene	17	5.0	ug/kg wet	20	ND	86	84-124	25	30	04/21/14	
Dibromochloromethane	16	5.0	ug/kg wet	20	ND	80	68-148	24	30	04/21/14	
Dibromochloropropane (DBCP)	13	5.0	ug/kg wet	20	ND	65	77-132	50	30	04/21/14	MS1.0 ***Low*** , MS2.1
Dibromomethane	17	5.0	ug/kg wet	20	ND	85	81-122	24	30	04/21/14	
Dichlorodifluoromethane	20	5.0	ug/kg wet	20	ND	99	54-139	1	30	04/21/14	
Dichloromethane	17	5.0	ug/kg wet	20	ND	79	78-122	24	30	04/21/14	
Ethylbenzene	17	5.0	ug/kg wet	20	ND	84	87-117	13	30	04/21/14	MS1.0 ***Low***
Hexachlorobutadiene	11	5.0	ug/kg wet	20	ND	53	75-139	51	30	04/21/14	MS1.0 ***Low*** , MS2.1
Hexachloroethane	14	50	ug/kg wet	20	ND	70	62-159	31	30	04/21/14	MS2.0
Iodomethane	18	50	ug/kg wet	20	ND	88	53-154	10	30	04/21/14	
Isopropylbenzene	15	5.0	ug/kg wet	20	ND	75	84-123	29	30	04/21/14	MS1.0 ***Low***
m,p-Xylenes	28	5.0	ug/kg wet	40	ND	64	86-120	1	30	04/21/14	MS1.2 ***Low***
Methyl-t-butyl ether	38	5.0	ug/kg wet	40	ND	89	83-118	26	30	04/21/14	
Naphthalene	9.7	5.0	ug/kg wet	20	ND	43	84-122	16	30	04/21/14	MS1.2 ***Low***
n-Butylbenzene	15	5.0	ug/kg wet	20	ND	73	76-129	35	30	04/21/14	MS1.0 ***Low*** , MS2.1
n-Propylbenzene	16	5.0	ug/kg wet	20	ND	81	80-128	22	30	04/21/14	
o-Xylene	17	5.0	ug/kg wet	20	ND	79	86-122	19	30	04/21/14	MS1.0 ***Low***
p-Isopropyltoluene	16	5.0	ug/kg wet	20	ND	81	83-124	29	30	04/21/14	MS1.0 ***Low***
sec-Butylbenzene	15	5.0	ug/kg wet	20	ND	76	85-123	36	30	04/21/14	MS1.0 ***Low*** , MS2.1
Styrene	17	5.0	ug/kg wet	20	ND	84	89-115	14	30	04/21/14	MS1.0 ***Low***
tert-Butylbenzene	13	5.0	ug/kg wet	20	ND	65	80-134	31	30	04/21/14	MS1.0 ***Low*** , MS2.1
Tetrachloroethene (PCE)	27	5.0	ug/kg wet	20	ND	135	88-124	18	30	04/21/14	MS1.1 ***High***
Toluene	16	5.0	ug/kg wet	20	ND	79	88-118	24	30	04/21/14	MS1.0 ***Low***
trans-1,2-Dichloroethene	19	5.0	ug/kg wet	20	ND	93	80-124	13	30	04/21/14	
trans-1,3-Dichloropropene	15	5.0	ug/kg wet	20	ND	75	90-121	25	30	04/21/14	MS1.0 ***Low***
Trichloroethene (TCE)	21	5.0	ug/kg wet	20	ND	105	83-125	22	30	04/21/14	
Trichlorofluoromethane	20	5.0	ug/kg wet	20	ND	100	63-144	11	30	04/21/14	
Vinyl Chloride	22	5.0	ug/kg wet	20	ND	108	66-137	10	30	04/21/14	
Surrogate: 1,2-Dichloroethane-d4	*520*			*500*		*105*	*70-130*			04/21/14	
Surrogate: Bromofluorobenzene	*470*			*500*		*94*	*70-130*			04/21/14	
Surrogate: Toluene-d8	*460*			*500*		*91*	*70-130*			04/21/14	

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Engineers & Laboratories

Certificate of Analysis

04/24/2014

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
- Sample(s) received, prepared, and analyzed within the method specified criteria unless otherwise noted within this report.
- The results relate only to the samples analyzed in accordance with test(s) requested by the client on the Chain of Custody document. Any analytical quality control exceptions to method criteria that are to be considered when evaluating these results have been flagged and are defined in the data qualifiers section.
- All results are expressed on wet weight basis unless otherwise specified.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Results contained in this analytical report must be reproduced in its entirety.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standerd Operating Procedures.
- BSK Analytical Laboratories certifies that the test results contained in this report meet all requirements of the NELAC Standards for applicable certified drinking water chemistry analyses unless qualified or noted in the Case Narrative.
- Analytical data contained in this report may be used for regulatory purposes to meet the requirements of the Federal or State drinking water, wastewater, and hazardous waste programs.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- * - This is not a NELAP accredited analyte.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.

Certifications: **Please refer to our website for a copy of our Accredited Fields of Testing for each certificattion.**

State of Oregon - NELAP	4021	State of Washington	C997
State of California - ELAP	1180	State of Nevada	CA000792013-1
State of California - ELAP (Rancho Cordova)	2435	State of Hawaii	04227CA

Definitions and Flags for Data Qualifiers

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected at RL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	Picocuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent Recovered (surrogates)	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable				

X.0 Internal standard recovered below acceptance limits due to matrix. The result for this analyte estimated.

SR4.1 Surrogate compound diluted outside of quantitation range due to matrix interferences. Recovery data unavailable or unreliable due to dilution.

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SR1.2	Surrogate recovery exceeds upper control limit due to obvious matrix interference. Associated results should be considered biased high.
SR1.1	Surrogate recovery exceeds upper control limit due to matrix interference as confirmed by re-analysis. Associated results should be considered biased high.
MS2.1	MS/MSD RPD exceeds control limit. Reportable results in parent sample may have some degree of variability, higher than that inherent in the method.
MS2.0	MS/MSD RPD exceeds control limit. No material impact as both sets of recovery data maet control criteria.
MS1.2	Matrix spike recovery exceeds lower control limit. Reported results for parent matrix may be biased low due to matrix interferences.
MS1.1	Matrix spike recovery exceeds upper control limit. Reported results for parent matrix may be biased high due to matrix interferences.
MS1.0	Matrix spike recoveries exceed control limits. No material impact as Blank Spike recoveries are within method control limits.
CV0.0	CCV recovery was above method acceptance limits; no material impact on reported result as sample is ND for this parameter.
BS3.0	BS/BSD RPD exceeded the acceptance limit. Recovery met acceptance criteria.
BS1.0	Blank spike recovery for this analyte was biased high; no material impact on reported result as sample is ND for this parameter.
BS0.0	Blank spike recoveries meet NELAC requirement for marginal exceedences. No material impact; no corrective acton required.
BS	Blank spike recoveries did not meet acceptance limits.
B	Analyte exceeds laboratory acceptance limit for blank contamination.

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A4D1041

City of Stockton

Stock8727

04102014

Turnaround: Standard

Due Date: 4/24/2014

Printed: 4/10/2014 5:37:10PM

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Engineers & Laboratories
1414 Stanislaus St., Fresno, CA 93706
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A4D1041 04/10/2
Stock8727 10
CH

*Required Fields

Temp: 1.7

Company/Client Name*:	Report Attention*:	Invoice To*:	Phone*:	Fax*:
City of Stockton	Terrie Hinkle Additional cc's: David Callas	Terrie Hinkle PO#: 182045	209-937-8709	209-937-8708
			E-mail*: Terrie.Hinkle@stocktongov.com	

Address*: 2500 Navy Drive | City*: Stockton | State*: CA | Zip*: 95206

Project: Semi Annual Priority Pollutants | Project #:

Reporting Options: ☐ Trace (J-Flag) ☐ Swamp ☐ EDD Type: _____

How would you like your completed results sent?* ☒ E-Mail ☐ Fax ☐ Mail

Sampler Name (Printed/Signature)*: J. Perez / R. Bach

TAT* **Surcharge
☒ Standard - 10 Business Days
☐ **Rush: Date Needed _____

Regulatory Carbon Copies
CDPH ☐ ☐ Fresno Co
Merced Co ☐ ☐ Tulare Co
Madera Co ☐ ☐ Other: _____

Regulatory Compliance
☐ EDT to California DPH
System Number*: _____
☐ Geotracker #: _____

Matrix Types: SW=Surface Water BW=Bottled Water GW=Ground Water WW=Waste Water STW=Storm Water DW=Drinking Water SO=Solid

#	Sample Description*	Sampled* Date	Sampled* Time	Matrix*	Comments / Station Code / WTRAX	CAM 17 METALS	CN (SW846 9010)	EPA 8081 / 8082	EPA 8260	EPA 8270	% Total Solids		
1	BIO-001 #1	04-08-14	1000	SO	Please composite all the samples	X	X	X	X	X	X		
2	BIO-001 #2		1100		from both pages into one sample								
3	BIO-001 #3		1200		for analysis (total collected = 10)								
4	BIO-001 #4		1300										
5	BIO-001 #5		1400		Sample ID:								
6	BIO-001 #6		1500		BIO-001/C: 04-08-14								
7	BIO-001 #7		1610										
8	BIO-001 #8		1700		Please report results both								
9	BIO-001 #9		1805		"as is" and as dry wt.								
10	BIO-001 #10		1904										
11	Composite												

Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by: (Signature and Printed Name)	Company
Terrie L Hinkle HINKLE	COS	4-9-14	1358	[signature] MG Schultz	BSK-SAC
[signature]	BSK-SAC	4-9-14	1600		
Received for Lab by: (Signature and Printed Name) [signature]		4/10/14	941	Payment Received at Delivery: Date: Amount: PIA#: Check / Cash Init.	

Shipping Method: ONTRAC UPS GSO WALK-IN FED EX Courier: _____ Custody Seal: Y / N
Cooling Method: Wet Blue None Chilling Process Begun: Y / N

Payment for services rendered as noted herein are due in full within 30 days from the date invoiced. If not so paid, account balances are deemed delinquent. Delinquent balances are subject to monthly service charges and interest specified in BSK's current Standard Terms and Conditions for Laboratory Services. The person signing for the Client/Company acknowledges that they are either the Client or an authorized agent to the Client, that the Client agrees to be responsible for payment for the services on this Chain of Custody, and agrees to BSK's terms and conditions for laboratory services unless contractually bound otherwise. BSK's current terms and conditions can be found at www.bskassociates.com/BSKLabTermsConditions.pdf

Sample Integrity

BSK Bottles: Yes No Page 1 of 1

COC Info				
Was temperature within range? Chemistry ≤ 6°C Micro < 10°C	Yes No NA	Were correct containers and preservatives received for the tests requested?	Yes No NA
If samples were taken today, is there evidence that chilling has begun?	Yes No NA	Were there bubbles in the VOA vials? (Volatiles Only)	Yes No NA
Did all bottles arrive unbroken and intact?	Yes No	Was a sufficient amount of sample received?	Yes No
Did all bottle labels agree with COC?	Yes No	Do samples have a hold time <72 hours?	Yes No
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes No NA	Was PM notified of discrepancies? PM: By/Time:	Yes No NA

Bottles Received — "—" means preservation/chlorine checks are either N/A or are performed in the lab

250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)	Checks	Passed?	1-10	11				
Bactr $Na_2S_2O_3$	—	—						
None (P) White Cap	—	—						
Cr6 Buffer (P) Blue Cap	pH 9-9.5	Y N						
HNO_3 (P) Red Cap	—	—						
H_2SO_4 (P) Yellow Cap	pH ≤ 2	Y N						
NaOH (P) Green Cap	Cl, pH ≥12	Y N						
NaOH + ZnAc (P)	pH ≥ 9	Y N						
Dissolved Oxygen 300ml (g)	—	—						
None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270	—							
H_2SO_4 (AG) Yellow Label O&G, Diesel	—	—						
$Na_2S_2O_3$ 1 Liter (Brown P) 549	—							
$Na_2S_2O_3$ (AG) Blue Label 547, 515, 525, 548	—	—						
$Na_2S_2O_3$ (AG) Blue Label THMs 524.2 or 524.3	—	—						
$Na_2S_2O_3$ (CG) Blue Label 504, 505	—	—						
$Na_2S_2O_3$ + MCAA (CG) Orange Label 531	pH = 3	Y N						
NH_4Cl (AG) Purple Label 552	—	—						
EDA (AG) Brown Label DBPs	—	—						
Ascorbic + Maleic (AG) Lt Green Label 524.3	—	—						
HCL (CG) 524.2 BTEX Gas, MTBE, 8260/624	—	—						
Buffer pH 4 (CG)	—	—						
None (CG)	—	—						
H_3PO_4 (CG) Salmon Label	—	—						
Other:								
Asbestos 1Liter Plastic w/ Foil	—	—						
Low Level Hg / Metals Double Baggie	—	—						
Bottled Water	—	—						
Clear Glass Jar 250 / 500 / 1 Liter	—	—	1A	1C				
Soil Tube Brass / Steel / Plastic	—	—						
Tedlar Bag / Plastic Bag	—	—						

Split

	Container	Preservative	Date/Time/Initials		Container	Preservative	Date/Time/Initials
S P				S P			
S P				S P			

Comments

Labeled by: JHP @ 16:23 Labels checked by [signature] @ 16:24 RUSH Paged by: @

Priority Pollutant Analysis

RWCF Influent and Effluent

October 13-14, 2014

Monday, November 17, 2014

David Callas
City of Stockton MUD
2500 Navy Drive
Stockton, CA 95206

Re	Lab Order:	P100676	Collected By:	Terrie Hinkle
	Project ID:	STOCKTON-ADDT'L FOR PRIORITY P	PO/Contract #:	181796

Dear David Callas:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, October 15, 2014. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Enclosures

Project Manager: Danielle Regan

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(707) 258-4000 • Fax (707) 226-1001 • e-mail: info@caltestlabs.com

SAMPLE SUMMARY

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

Lab ID	Sample ID	Matrix	Date Collected	Date Received
P100676001	EFF-001/C: 10-13-14 (FE)	Water	10/14/2014 08:13	10/15/2014 19:53
P100676002	INF-001/ C: 10-13-14 (HW)	Water	10/14/2014 07:50	10/15/2014 19:53
P100676003	INF-001 (HW)	Water	10/14/2014 09:35	10/15/2014 19:53

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NARRATIVE

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

General Qualifiers and Notes

Caltest authorizes this report to be reproduced only in its entirety. Results are specific to the sample(s) as submitted and only to the parameter(s) reported.

Caltest certifies that all test results for wastewater and hazardous waste analyses meet all applicable NELAC requirements; all microbiology and drinking water testing meet applicable ELAP requirements, unless stated otherwise.

All analyses performed by EPA Methods or Standard Methods (SM) 20th Edition except where noted (SMOL=online edition).

Caltest collects samples in compliance with 40 CFR, EPA Methods, Cal. Title 22, and Standard Methods.

Dilution Factors (DF) reported greater than '1' have been used to adjust the result, Reporting Limit (RL), and Method Detection Limit (MDL).

All Solid, sludge, and/or biosolids data is reported in Wet Weight, unless otherwise specified.

Filtrations performed at Caltest for dissolved metals (excluding mercury) and/or pH analysis are not performed within the 15 minute holding time as specified by 40CFR 136.3 table II.

Results Qualifiers: Report fields may contain codes and non-numeric data correlating to one or more of the following definitions:

ND - Non Detect - indicates analytical result has not been detected.

RL - Reporting Limit is the quantitation limit at which the laboratory is able to detect an analyte. An analyte not detected at or above the RL is reported as ND unless otherwise noted or qualified. For analyses pertaining to the State Implementation Plan of the California Toxics Rule, the Caltest Reporting Limit (RL) is equivalent to the Minimum Level (ML). A standard is always run at or below the ML. Where Reporting Limits are elevated due to dilution, the ML calibration criteria has been met.

J - reflects estimated analytical result value detected below the Reporting Limit (RL) and above the Method Detection Limit (MDL). The 'J' flag is equivalent to the DNQ Estimated Concentration flag.

E - indicates an estimated analytical result value.

B - indicates the analyte has been detected in the blank associated with the sample.

NC - means not able to be calculated for RPD or Spike Recoveries.

SS - compound is a Surrogate Spike used per laboratory quality assurance manual.

NOTE: This document represents a complete Analytical Report for the samples referenced herein and should be retained as a permanent record thereof.

Qualifiers and Compound Notes

1	Analyte(s) reported as 'ND' means not detected at or above the listed Method Detection Limits (MDL).
2	Nitrate and/or Nitrite was detected in the sample. Sample was treated with Sulfamic Acid prior to analysis.
3	Sample analyzed as unpreserved in compliance with client provided EPA approved variance regarding method preservation.
4	Sample diluted due to a high concentration of non-target analyte(s), resulting in increased reporting limits.
5	Surrogates did not meet Caltest internal acceptance criteria. The analysis meets all pertinent method criteria.
6	Due to matrix interferences present in the sample, surrogate recoveries failed to meet the QA/QC acceptance criteria.
7	Sample diluted prior to analysis in an effort to reduce matrix interferences resulting in higher reporting limit(s).

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ANALYTICAL RESULTS

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

Lab ID P100676001 Date Collected 10/14/2014 08:13 Matrix Water
Sample ID EFF-001/C: 10-13-14 (FE) Date Received 10/15/2014 19:53

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Mercury Analysis by FIMS, Low Level	**Prep Method:**		EPA 245.1			**Prep by:**	UK			
	Analytical Method:		EPA 245.1, Low Level					**Analyzed by:**	LM	
Mercury	ND	ug/L	0.050	0.030	1	10/21/14 00:00	MPR 13159	10/22/14 13:49	MHG 4790	1
Metals by ICPMS Collision Mode, Total	**Prep Method:**		EPA 200.8			**Prep by:**	DR			
	Analytical Method:		EPA 200.8					**Analyzed by:**	LM	
Antimony	J0.25	ug/L	0.50	0.050	1	10/22/14 00:00	MPR 13162	10/23/14 17:11	MMS 7385	
Arsenic	3.1	ug/L	0.50	0.060	1	10/22/14 00:00	MPR 13162	10/23/14 17:11	MMS 7385	
Beryllium	ND	ug/L	0.10	0.090	1	10/22/14 00:00	MPR 13162	10/23/14 17:11	MMS 7385	1
Cadmium	ND	ug/L	0.10	0.050	1	10/22/14 00:00	MPR 13162	10/23/14 17:11	MMS 7385	
Chromium	J0.1	ug/L	0.50	0.050	1	10/22/14 00:00	MPR 13162	10/23/14 17:11	MMS 7385	
Copper	J0.34	ug/L	0.50	0.15	1	10/22/14 00:00	MPR 13162	10/23/14 17:11	MMS 7385	
Lead	ND	ug/L	0.25	0.030	1	10/22/14 00:00	MPR 13162	10/23/14 17:11	MMS 7385	
Molybdenum	0.86	ug/L	0.25	0.070	1	10/22/14 00:00	MPR 13162	10/23/14 17:11	MMS 7385	
Nickel	1.8	ug/L	0.50	0.060	1	10/22/14 00:00	MPR 13162	10/23/14 17:11	MMS 7385	
Selenium	ND	ug/L	1.0	0.40	1	10/22/14 00:00	MPR 13162	10/23/14 17:11	MMS 7385	
Silver	ND	ug/L	0.10	0.020	1	10/22/14 00:00	MPR 13162	10/23/14 17:11	MMS 7385	
Thallium	ND	ug/L	0.10	0.050	1	10/22/14 00:00	MPR 13162	10/23/14 17:11	MMS 7385	
Zinc	J0.96	ug/L	1.0	0.70	1	10/22/14 00:00	MPR 13162	10/27/14 18:36	MMS 7385	
Semivolatile Organic Analysis	**Prep Method:**		EPA 625			**Prep by:**	MDT			
	Analytical Method:		EPA 625					**Analyzed by:**	MDT	
Acenaphthene	ND	ug/L	0.3	0.010	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	1
Acenaphthylene	ND	ug/L	0.2	0.020	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Anthracene	ND	ug/L	0.3	0.010	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Benzidine	ND	ug/L	5.0	5.0	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Benzo(a)anthracene	ND	ug/L	0.3	0.020	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Benzo(a)pyrene	ND	ug/L	0.3	0.010	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Benzo(b)fluoranthene	ND	ug/L	0.3	0.010	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Benzo(g,h,i)perylene	ND	ug/L	0.1	0.020	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Benzo(k)fluoranthene	ND	ug/L	0.3	0.010	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Benzyl butyl phthalate	ND	ug/L	5.0	0.70	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
4-Bromophenyl phenyl ether	ND	ug/L	5.0	0.70	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
bis(2-Chloroethoxy) methane	ND	ug/L	5.0	0.90	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
bis(2-Chloroethyl) ether	ND	ug/L	1.0	0.70	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
bis(2-Chloroisopropyl) ether	ND	ug/L	2.0	0.60	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
4-Chloro-3-methylphenol	ND	ug/L	1.0	0.80	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
2-Chloronaphthalene	ND	ug/L	5.0	0.90	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
2-Chlorophenol	ND	ug/L	2.0	0.70	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
4-Chlorophenyl phenyl ether	ND	ug/L	5.0	0.90	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Chrysene	ND	ug/L	0.3	0.010	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Dibenzo(a,h)anthracene	ND	ug/L	0.1	0.020	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
3,3'-Dichlorobenzidine	ND	ug/L	5.0	5.0	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
2,4-Dichlorophenol	ND	ug/L	1.0	0.90	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Diethylphthalate	ND	ug/L	2.0	0.70	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	

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ANALYTICAL RESULTS

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

Lab ID **P100676001** Date Collected 10/14/2014 08:13 Matrix Water
Sample ID **EFF-001/C: 10-13-14 (FE)** Date Received 10/15/2014 19:53

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
2,4-Dimethylphenol	ND	ug/L	2.0	0.80	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Dimethylphthalate	ND	ug/L	2.0	0.90	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Di-n-butylphthalate	ND	ug/L	5.0	0.60	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
2,4-Dinitrophenol	ND	ug/L	5.0	0.90	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
2,4-Dinitrotoluene	ND	ug/L	5.0	0.70	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
2,6-Dinitrotoluene	ND	ug/L	5.0	0.80	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Di-n-octylphthalate	ND	ug/L	5.0	0.50	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
1,2-Diphenylhydrazine / Azobenzene	ND	ug/L	1.0	0.70	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
bis(2-Ethylhexyl) phthalate	ND	ug/L	3.0	0.60	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Fluoranthene	ND	ug/L	0.05	0.030	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Fluorene	ND	ug/L	0.1	0.010	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Hexachlorobenzene	ND	ug/L	1.0	0.70	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Hexachlorobutadiene	ND	ug/L	1.0	0.60	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Hexachlorocyclo pentadiene	ND	ug/L	1.0	0.70	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Hexachloroethane	ND	ug/L	1.0	0.60	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.05	0.020	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Isophorone	ND	ug/L	1.0	0.93	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
2-Methyl-4,6-dinitrophenol	ND	ug/L	5.0	0.60	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Naphthalene	ND	ug/L	0.2	0.020	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Nitrobenzene	ND	ug/L	1.0	0.90	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
2-Nitrophenol	ND	ug/L	5.0	0.80	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
4-Nitrophenol	ND	ug/L	5.0	0.50	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
N-Nitrosodimethylamine	ND	ug/L	5.0	0.50	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	0.80	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
N-Nitrosodiphenylamine	ND	ug/L	1.0	0.50	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Pentachlorophenol	ND	ug/L	1.0	0.60	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Phenanthrene	ND	ug/L	0.05	0.010	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Phenol	ND	ug/L	1.0	0.50	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Pyrene	ND	ug/L	0.05	0.020	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.60	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
2,4,6-Trichlorophenol	ND	ug/L	5.0	0.97	1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
2-Fluorobiphenyl (SS)	40	%	10-100		1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
2-Fluorophenol (SS)	24	%	10-100		1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Nitrobenzene-d5 (SS)	36	%	27-109		1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Phenol-d6 (SS)	17	%	12-100		1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
Terphenyl-d14 (SS)	57	%	35-153		1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	
2,4,6-Tribromophenol (SS)	66	%	32-148		1	10/21/14 00:00	SPR 6668	10/28/14 21:46	SMS 3577	

Chlorinated Pesticides & PCBs Analysis **Prep Method:** EPA 608 **Prep by:** RLH

Analytical Method: EPA 608 **Analyzed by:** NTA

Aldrin	ND	ug/L	0.005	0.0040	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	1
alpha-BHC	ND	ug/L	0.010	0.0050	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
beta-BHC	ND	ug/L	0.005	0.0040	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
delta-BHC	ND	ug/L	0.005	0.0040	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
gamma-BHC (Lindane)	ND	ug/L	0.010	0.0040	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	

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ANALYTICAL RESULTS

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

Lab ID P100676001 Date Collected 10/14/2014 08:13 Matrix Water
Sample ID EFF-001/C: 10-13-14 (FE) Date Received 10/15/2014 19:53

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Chlordane	ND	ug/L	0.050	0.020	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
4,4'-DDD	ND	ug/L	0.010	0.0040	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
4,4'-DDE	ND	ug/L	0.010	0.0030	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
4,4'-DDT	ND	ug/L	0.010	0.0040	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
Dieldrin	ND	ug/L	0.010	0.0040	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
Endosulfan I	ND	ug/L	0.010	0.0040	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
Endosulfan II	ND	ug/L	0.010	0.0050	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
Endosulfan sulfate	ND	ug/L	0.010	0.0050	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
Endrin	ND	ug/L	0.010	0.0050	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
Endrin aldehyde	ND	ug/L	0.010	0.0050	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
Endrin ketone	ND	ug/L	0.010	0.0050	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
Heptachlor	ND	ug/L	0.010	0.0050	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
Heptachlor epoxide	ND	ug/L	0.010	0.0040	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
Methoxychlor	ND	ug/L	0.010	0.0050	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
PCB 1016	ND	ug/L	0.10	0.050	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
PCB 1221	ND	ug/L	0.10	0.050	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
PCB 1232	ND	ug/L	0.10	0.050	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
PCB 1242	ND	ug/L	0.10	0.040	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
PCB 1248	ND	ug/L	0.10	0.050	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
PCB 1254	ND	ug/L	0.10	0.050	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
PCB 1260	ND	ug/L	0.10	0.050	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
Toxaphene	ND	ug/L	0.5	0.30	1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
Decachlorobiphenyl (SS)	97	%	10-195		1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
Tetrachloro-m-xylene (SS)	76	%	25-105		1	10/20/14 00:00	SPR 6665	10/31/14 11:43	SMS 3580	
Cyanide, Total Analysis, Unpreserved	**Analytical Method:**		SM20-4500-CN C&E					**Analyzed by:**	BCP	
Cyanide	3.3	ug/L	3	0.90	1			10/23/14 16:39	WCO 10274	3,2

Lab ID P100676002 Date Collected 10/14/2014 07:50 Matrix Water
Sample ID INF-001/ C: 10-13-14 (HW) Date Received 10/15/2014 19:53

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Mercury Analysis by FIMS, Low Level	**Prep Method:**		EPA 245.1			**Prep by:**	UK			
	Analytical Method:		EPA 245.1, Low Level					**Analyzed by:**	LM	
Mercury	0.12	ug/L	0.050	0.030	1	10/21/14 00:00	MPR 13159	10/22/14 13:52	MHG 4790	
Metals by ICPMS Collision Mode, Total	**Prep Method:**		EPA 200.8			**Prep by:**	DR			
	Analytical Method:		EPA 200.8					**Analyzed by:**	LM	
Antimony	0.71	ug/L	0.50	0.050	1	10/22/14 00:00	MPR 13162	10/23/14 17:28	MMS 7385	
Arsenic	3.9	ug/L	0.50	0.060	1	10/22/14 00:00	MPR 13162	10/23/14 17:28	MMS 7385	
Beryllium	J0.09	ug/L	0.10	0.090	1	10/22/14 00:00	MPR 13162	10/23/14 17:28	MMS 7385	
Cadmium	0.25	ug/L	0.10	0.050	1	10/22/14 00:00	MPR 13162	10/23/14 17:28	MMS 7385	
Chromium	8.5	ug/L	0.50	0.050	1	10/22/14 00:00	MPR 13162	10/23/14 17:28	MMS 7385	
Copper	38	ug/L	0.50	0.15	1	10/22/14 00:00	MPR 13162	10/23/14 17:28	MMS 7385	

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ANALYTICAL RESULTS

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

Lab ID **P100676002** Date Collected 10/14/2014 07:50 Matrix Water
Sample ID **INF-001/ C: 10-13-14 (HW)** Date Received 10/15/2014 19:53

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Lead	3.9	ug/L	0.25	0.030	1	10/22/14 00:00	MPR 13162	10/23/14 17:28	MMS 7385	
Molybdenum	3.3	ug/L	0.25	0.070	1	10/22/14 00:00	MPR 13162	10/23/14 17:28	MMS 7385	
Nickel	6.2	ug/L	0.50	0.060	1	10/22/14 00:00	MPR 13162	10/23/14 17:28	MMS 7385	
Selenium	J0.88	ug/L	1.0	0.40	1	10/22/14 00:00	MPR 13162	10/23/14 17:28	MMS 7385	
Silver	0.37	ug/L	0.10	0.020	1	10/22/14 00:00	MPR 13162	10/23/14 17:28	MMS 7385	
Thallium	ND	ug/L	0.10	0.050	1	10/22/14 00:00	MPR 13162	10/27/14 18:42	MMS 7385	1
Zinc	160	ug/L	10	0.70	1	10/22/14 00:00	MPR 13162	10/23/14 17:28	MMS 7385	
Semivolatile Organic Analysis	**Prep Method:**		EPA 625			**Prep by:**	MDT			
	Analytical Method:		EPA 625					**Analyzed by:**	MDT	
Acenaphthene	ND	ug/L	5.0	0.05	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	4
Acenaphthylene	ND	ug/L	5.0	0.1	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Anthracene	ND	ug/L	5.0	0.05	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Benzidine	ND	ug/L	25	20	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Benzo(a)anthracene	ND	ug/L	5.0	0.1	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Benzo(a)pyrene	ND	ug/L	5.0	0.05	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Benzo(b)fluoranthene	ND	ug/L	5.0	0.05	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Benzo(g,h,i)perylene	ND	ug/L	5.0	0.1	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Benzo(k)fluoranthene	ND	ug/L	5.0	0.05	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Benzyl butyl phthalate	ND	ug/L	10	3.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
4-Bromophenyl phenyl ether	ND	ug/L	10	3.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
bis(2-Chloroethoxy) methane	ND	ug/L	5.0	4.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	3.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.0	3.0	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
4-Chloro-3-methylphenol	ND	ug/L	5.0	4.0	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
2-Chloronaphthalene	ND	ug/L	5.0	4.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
2-Chlorophenol	ND	ug/L	10	3.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
4-Chlorophenyl phenyl ether	ND	ug/L	10	4.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Chrysene	ND	ug/L	5.0	0.05	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Dibenzo(a,h)anthracene	ND	ug/L	5.0	0.1	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
3,3'-Dichlorobenzidine	ND	ug/L	25	20	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
2,4-Dichlorophenol	ND	ug/L	5.0	4.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Diethylphthalate	ND	ug/L	5.0	3.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
2,4-Dimethylphenol	ND	ug/L	5.0	4.0	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Dimethylphthalate	ND	ug/L	5.0	4.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Di-n-butylphthalate	ND	ug/L	5.0	3.0	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
2,4-Dinitrophenol	ND	ug/L	10	4.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
2,4-Dinitrotoluene	ND	ug/L	5.0	3.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
2,6-Dinitrotoluene	ND	ug/L	5.0	4.0	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Di-n-octylphthalate	5.4	ug/L	5.0	2.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
1,2-Diphenylhydrazine / Azobenzene	ND	ug/L	5.0	3.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
bis(2-Ethylhexyl) phthalate	22	ug/L	5.0	3.0	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Fluoranthene	ND	ug/L	5.0	0.2	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Fluorene	ND	ug/L	5.0	0.05	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Hexachlorobenzene	ND	ug/L	5.0	3.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	

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ANALYTICAL RESULTS

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

Lab ID **P100676002** Date Collected 10/14/2014 07:50 Matrix Water
Sample ID **INF-001/ C: 10-13-14 (HW)** Date Received 10/15/2014 19:53

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Hexachlorobutadiene	ND	ug/L	5.0	3.0	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Hexachlorocyclo pentadiene	ND	ug/L	5.0	3.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Hexachloroethane	ND	ug/L	5.0	3.0	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	0.1	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Isophorone	ND	ug/L	5.0	4.6	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
2-Methyl-4,6-dinitrophenol	ND	ug/L	10	3.0	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Naphthalene	ND	ug/L	5.0	0.1	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Nitrobenzene	ND	ug/L	5.0	4.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
2-Nitrophenol	ND	ug/L	10	4.0	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
4-Nitrophenol	ND	ug/L	5.0	2.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
N-Nitrosodimethylamine	ND	ug/L	5.0	2.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	4.0	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
N-Nitrosodiphenylamine	ND	ug/L	5.0	2.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Pentachlorophenol	ND	ug/L	5.0	3.0	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Phenanthrene	ND	ug/L	5.0	0.05	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Phenol	8.7	ug/L	5.0	2.5	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Pyrene	ND	ug/L	5.0	0.1	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	3.0	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
2,4,6-Trichlorophenol	ND	ug/L	10	4.8	5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
2-Fluorobiphenyl (SS)	57	%	10-100		5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
2-Fluorophenol (SS)	20	%	10-100		5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Nitrobenzene-d5 (SS)	52	%	27-109		5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Phenol-d6 (SS)	16	%	12-100		5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
Terphenyl-d14 (SS)	106	%	35-153		5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	
2,4,6-Tribromophenol (SS)	64	%	32-148		5	10/21/14 00:00	SPR 6668	10/29/14 09:44	SMS 3577	

Chlorinated Pesticides & PCBs Analysis **Prep Method:** EPA 608 **Prep by:** RLH

Analytical Method: EPA 608 **Analyzed by:** NTA

Aldrin	ND	ug/L	0.050	0.0080	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	1,4
alpha-BHC	ND	ug/L	0.050	0.010	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
beta-BHC	ND	ug/L	0.050	0.0080	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
delta-BHC	ND	ug/L	0.050	0.0080	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.0080	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
Chlordane	ND	ug/L	0.50	0.040	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
4,4'-DDD	ND	ug/L	0.10	0.0080	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
4,4'-DDE	ND	ug/L	0.10	0.0060	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
4,4'-DDT	ND	ug/L	0.10	0.0080	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
Dieldrin	ND	ug/L	0.10	0.0080	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
Endosulfan I	ND	ug/L	0.050	0.0080	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
Endosulfan II	ND	ug/L	0.10	0.010	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
Endosulfan sulfate	ND	ug/L	0.10	0.010	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
Endrin	ND	ug/L	0.10	0.010	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
Endrin aldehyde	ND	ug/L	0.050	0.010	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
Endrin ketone	ND	ug/L	0.10	0.010	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
Heptachlor	ND	ug/L	0.050	0.010	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	

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ANALYTICAL RESULTS

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

Lab ID P100676002 Date Collected 10/14/2014 07:50 Matrix Water
Sample ID INF-001/ C: 10-13-14 (HW) Date Received 10/15/2014 19:53

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Heptachlor epoxide	ND	ug/L	0.050	0.0080	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
Methoxychlor	ND	ug/L	0.50	0.010	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
PCB 1016	ND	ug/L	0.20	0.10	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
PCB 1221	ND	ug/L	0.20	0.10	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
PCB 1232	ND	ug/L	0.20	0.10	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
PCB 1242	ND	ug/L	0.20	0.080	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
PCB 1248	ND	ug/L	0.20	0.10	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
PCB 1254	ND	ug/L	0.20	0.10	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
PCB 1260	ND	ug/L	0.20	0.10	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
Toxaphene	ND	ug/L	1.0	0.60	2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
Decachlorobiphenyl (SS)	0	%	10-195		2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	5,6
Tetrachloro-m-xylene (SS)	67	%	25-105		2	10/20/14 00:00	SPR 6665	10/31/14 15:21	SMS 3580	
Cyanide, Total Analysis		**Analytical Method:**	SM20-4500-CN C&E					**Analyzed by:**	BCP	
Cyanide	J1.9	ug/L	3	0.90	1			10/23/14 16:39	WCO 10274	

Lab ID P100676003 Date Collected 10/14/2014 09:35 Matrix Water
Sample ID INF-001 (HW) Date Received 10/15/2014 19:53

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Volatile Organic Analysis		**Analytical Method:**	EPA 624					**Analyzed by:**	AN	
Acrolein	ND	ug/L	20	8.5	5			10/18/14 00:42	VMS 3120	7
Acrylonitrile	ND	ug/L	10	5.0	5			10/18/14 00:42	VMS 3120	
Benzene	ND	ug/L	2.5	0.90	5			10/18/14 00:42	VMS 3120	
Bromodichloromethane	ND	ug/L	2.5	0.80	5			10/18/14 00:42	VMS 3120	
Bromoform	ND	ug/L	2.5	1.0	5			10/18/14 00:42	VMS 3120	
Bromomethane (Methyl Bromide)	ND	ug/L	2.5	0.85	5			10/18/14 00:42	VMS 3120	
Carbon tetrachloride	ND	ug/L	2.5	0.80	5			10/18/14 00:42	VMS 3120	
Chlorobenzene	ND	ug/L	2.5	0.90	5			10/18/14 00:42	VMS 3120	
Chloroethane (Ethyl Chloride)	ND	ug/L	2.5	1.9	5			10/18/14 00:42	VMS 3120	
2-Chloroethyl vinyl ether	ND	ug/L	5.0	1.4	5			10/18/14 00:42	VMS 3120	
Chloroform	3.9	ug/L	2.5	0.95	5			10/18/14 00:42	VMS 3120	
Chloromethane(Methyl Chloride)	ND	ug/L	2.5	1.2	5			10/18/14 00:42	VMS 3120	
Dibromochloromethane	ND	ug/L	2.5	0.85	5			10/18/14 00:42	VMS 3120	
1,2-Dichlorobenzene	ND	ug/L	2.5	1.4	5			10/18/14 00:42	VMS 3120	
1,3-Dichlorobenzene	ND	ug/L	2.5	0.90	5			10/18/14 00:42	VMS 3120	
1,4-Dichlorobenzene	ND	ug/L	2.5	0.90	5			10/18/14 00:42	VMS 3120	
Dichlorodifluoromethane (F-12)	ND	ug/L	2.5	1.5	5			10/18/14 00:42	VMS 3120	
1,1-Dichloroethane	ND	ug/L	2.5	0.95	5			10/18/14 00:42	VMS 3120	
1,2-Dichloroethane (EDC)	ND	ug/L	2.5	0.90	5			10/18/14 00:42	VMS 3120	
1,1-Dichloroethene	ND	ug/L	2.5	1.0	5			10/18/14 00:42	VMS 3120	
cis-1,2-Dichloroethene	ND	ug/L	2.5	1.0	5			10/18/14 00:42	VMS 3120	

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ANALYTICAL RESULTS

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

Lab ID **P100676003** Date Collected 10/14/2014 09:35 Matrix Water
Sample ID **INF-001 (HW)** Date Received 10/15/2014 19:53

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
trans-1,2-Dichloroethene	ND	ug/L	2.5	1.1	5			10/18/14 00:42	VMS 3120	
1,2-Dichloropropane	ND	ug/L	2.5	0.90	5			10/18/14 00:42	VMS 3120	
cis-1,3-Dichloropropene	ND	ug/L	2.5	0.80	5			10/18/14 00:42	VMS 3120	
trans-1,3-Dichloropropene	ND	ug/L	2.5	0.80	5			10/18/14 00:42	VMS 3120	
Dichlorotrifluoroethane (F123)	ND	ug/L	2.5	0.70	5			10/18/14 00:42	VMS 3120	
Ethylbenzene	ND	ug/L	2.5	1.3	5			10/18/14 00:42	VMS 3120	
Methyl tert-butyl ether (MTBE)	ND	ug/L	2.5	0.75	5			10/18/14 00:42	VMS 3120	
Methylene chloride	ND	ug/L	2.5	1.5	5			10/18/14 00:42	VMS 3120	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.5	1.0	5			10/18/14 00:42	VMS 3120	
Tetrachloroethene (PCE)	ND	ug/L	2.5	0.95	5			10/18/14 00:42	VMS 3120	
Toluene	7.1	ug/L	2.5	0.95	5			10/18/14 00:42	VMS 3120	
1,1,2-Trichloroethane	ND	ug/L	2.5	0.80	5			10/18/14 00:42	VMS 3120	
1,1,1-Trichloroethane (TCA)	ND	ug/L	2.5	0.95	5			10/18/14 00:42	VMS 3120	
Trichloroethene (TCE)	ND	ug/L	2.5	1.0	5			10/18/14 00:42	VMS 3120	
Trichlorofluoromethane (F-11)	ND	ug/L	2.5	1.4	5			10/18/14 00:42	VMS 3120	
Trichlorotrifluorethane (F113)	ND	ug/L	2.5	0.55	5			10/18/14 00:42	VMS 3120	
Vinyl chloride	ND	ug/L	2.5	1.2	5			10/18/14 00:42	VMS 3120	
Xylenes, total	ND	ug/L	2.5	1.3	5			10/18/14 00:42	VMS 3120	
4-Bromofluorobenzene (SS)	96	%	85-115		5			10/18/14 00:42	VMS 3120	
Dibromofluoromethane (SS)	102	%	85-115		5			10/18/14 00:42	VMS 3120	
1,2-Dichloroethane-d4 (SS)	99	%	75-125		5			10/18/14 00:42	VMS 3120	
Toluene-d8 (SS)	100	%	90-121		5			10/18/14 00:42	VMS 3120	

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QUALITY CONTROL DATA

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

Analysis Description:	Mercury Analysis by FIMS, Low Level	**QC Batch:**	MPR/13159
Analysis Method:	EPA 245.1, Low Level	**QC Batch Method:**	EPA 245.1

LEACHATE BLANK: 607135

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Mercury	ND	0.50	0.30	ug/L	

METHOD BLANK: 609013

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Mercury	ND	0.050	0.030	ug/L	

LABORATORY CONTROL SAMPLE: 609014

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% REC Limits	Qualifier
Mercury	ug/L	1	1	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 609018 609019

Parameter	Units	P100561001 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Mercury	ug/L	0	1	1	1	100	101	80-120	0.5	20	

Analysis Description:	Metals by ICPMS Collision Mode, Total	**QC Batch:**	MPR/13162
Analysis Method:	EPA 200.8	**QC Batch Method:**	EPA 200.8

METHOD BLANK: 609283

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Zinc	ND	1.0	0.7	ug/L	

METHOD BLANK: 609283

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Antimony	ND	0.10	0.05	ug/L	
Arsenic	ND	0.10	0.06	ug/L	
Beryllium	ND	0.10	0.09	ug/L	
Cadmium	ND	0.10	0.05	ug/L	
Chromium	ND	0.10	0.05	ug/L	
Copper	ND	0.50	0.15	ug/L	
Lead	ND	0.10	0.03	ug/L	
Molybdenum	ND	0.10	0.07	ug/L	
Nickel	ND	0.10	0.06	ug/L	

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QUALITY CONTROL DATA

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

Analysis Description:	Metals by ICPMS Collision Mode, Total	**QC Batch:**	MPR/13162
Analysis Method:	EPA 200.8	**QC Batch Method:**	EPA 200.8

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Selenium	ND	0.50	0.40	ug/L	
Silver	ND	0.10	0.02	ug/L	
Thallium	ND	0.10	0.05	ug/L	

LABORATORY CONTROL SAMPLE: 609284

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% REC Limits	Qualifier
Antimony	ug/L	20	20	99	85-115	
Arsenic	ug/L	20	19	95	85-115	
Beryllium	ug/L	20	20	98	85-115	
Cadmium	ug/L	20	20	98	85-115	
Chromium	ug/L	20	19	94	85-115	
Copper	ug/L	20	19	94	85-115	
Lead	ug/L	20	20	98	85-115	
Molybdenum	ug/L	20	19	95	85-115	
Nickel	ug/L	20	19	96	85-115	
Selenium	ug/L	20	18	92	85-115	
Silver	ug/L	20	20	100	85-115	
Thallium	ug/L	20	19	97	85-115	
Zinc	ug/L	20	19	95	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 609286 609287

Parameter	Units	P100609001 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Antimony	ug/L	0.12	20	21	21	103	104	70-130	0.8	20	
Arsenic	ug/L	3.1	20	23	23	99	99	70-130	0.2	20	
Beryllium	ug/L	0	20	20	20	98	100	70-130	2.2	20	
Cadmium	ug/L	0	20	19	19	96	97	70-130	0.6	20	
Chromium	ug/L	0.68	20	20	20	98	99	70-130	0.7	20	
Copper	ug/L	1.9	20	20	20	91	92	70-130	0.5	20	
Lead	ug/L	0.1	20	19	19	95	95	70-130	0.1	20	
Molybdenum	ug/L	1.6	20	22	22	101	102	70-130	0.5	20	
Nickel	ug/L	1.1	20	20	20	93	96	70-130	2.3	20	
Selenium	ug/L	0.47	20	19	19	95	93	70-130	2.1	20	
Silver	ug/L	0	20	20	20	99	99	70-130	0.1	20	
Thallium	ug/L	0	20	19	19	94	95	70-130	0.4	20	
Zinc	ug/L	77	20	87	88	RNC	RNC	70-130	1.1	20	13

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QUALITY CONTROL DATA

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

Analysis Description:	Metals by ICPMS Collision Mode, Total	**QC Batch:**	MPR/13162
Analysis Method:	EPA 200.8	**QC Batch Method:**	EPA 200.8

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 609288 609289

Parameter	Units	P100676001 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Antimony	ug/L	0.25	20	20	20	100	101	70-130	0.5	20	
Arsenic	ug/L	3.1	20	23	23	99	99	70-130	0.4	20	
Beryllium	ug/L	0	20	20	19	99	96	70-130	3.5	20	
Cadmium	ug/L	0	20	19	19	93	93	70-130	0.2	20	
Chromium	ug/L	0.1	20	20	19	97	96	70-130	0.8	20	
Copper	ug/L	0.34	20	18	18	90	89	70-130	0.2	20	
Lead	ug/L	0	20	19	18	93	93	70-130	0.4	20	
Molybdenum	ug/L	0.86	20	21	21	101	100	70-130	1.2	20	
Nickel	ug/L	1.8	20	20	20	92	93	70-130	0.9	20	
Selenium	ug/L	0	20	19	19	95	94	70-130	0.5	20	
Silver	ug/L	0	20	19	19	94	95	70-130	0.3	20	
Thallium	ug/L	0	20	18	18	92	91	70-130	1.1	20	
Zinc	ug/L	1	20	19	19	88	90	70-130	1.8	20	

Analysis Description:	Semivolatile Organic Analysis	**QC Batch:**	SPR/6668
Analysis Method:	EPA 625	**QC Batch Method:**	EPA 625

METHOD BLANK: 608852

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Acenaphthene	ND	0.05	0.01	ug/L	
Acenaphthylene	ND	0.05	0.02	ug/L	
Anthracene	ND	0.05	0.01	ug/L	
Benzidine	ND	5.0	5.0	ug/L	
Benzo(a)anthracene	ND	0.05	0.02	ug/L	
Benzo(a)pyrene	ND	0.05	0.01	ug/L	
Benzo(b)fluoranthene	ND	0.05	0.01	ug/L	
Benzo(g,h,i)perylene	ND	0.05	0.02	ug/L	
Benzo(k)fluoranthene	ND	0.05	0.01	ug/L	
Benzyl butyl phthalate	ND	2.0	0.7	ug/L	
4-Bromophenyl phenyl ether	ND	2.0	0.7	ug/L	
bis(2-Chloroethoxy) methane	ND	1.0	0.9	ug/L	
bis(2-Chloroethyl) ether	ND	1.0	0.7	ug/L	
bis(2-Chloroisopropyl) ether	ND	1.0	0.6	ug/L	
4-Chloro-3-methylphenol	ND	1.0	0.8	ug/L	
2-Chloronaphthalene	ND	1.0	0.9	ug/L	
2-Chlorophenol	ND	2.0	0.7	ug/L	
4-Chlorophenyl phenyl ether	ND	2.0	0.9	ug/L	
Chrysene	ND	0.05	0.01	ug/L	
Dibenzo(a,h)anthracene	ND	0.05	0.02	ug/L	
3,3'-Dichlorobenzidine	ND	5.0	5.0	ug/L	
2,4-Dichlorophenol	ND	1.0	0.9	ug/L	
Diethylphthalate	ND	1.0	0.7	ug/L	

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QUALITY CONTROL DATA

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

Analysis Description:	Semivolatile Organic Analysis	**QC Batch:**	SPR/6668
Analysis Method:	EPA 625	**QC Batch Method:**	EPA 625

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
2,4-Dimethylphenol	ND	1.0	0.8	ug/L	
Dimethylphthalate	ND	1.0	0.9	ug/L	
Di-n-butylphthalate	ND	1.0	0.6	ug/L	
2,4-Dinitrophenol	ND	2.0	0.9	ug/L	
2,4-Dinitrotoluene	ND	1.0	0.7	ug/L	
2,6-Dinitrotoluene	ND	1.0	0.8	ug/L	
Di-n-octylphthalate	ND	1.0	0.5	ug/L	
1,2Diphenylhydrazine/Azobenzen	ND	1.0	0.7	ug/L	
bis(2-Ethylhexyl) phthalate	ND	1.0	0.6	ug/L	
Fluoranthene	ND	0.05	0.03	ug/L	
Fluorene	ND	0.05	0.01	ug/L	
Hexachlorobenzene	ND	1.0	0.7	ug/L	
Hexachlorobutadiene	ND	1.0	0.6	ug/L	
Hexachlorocyclo pentadiene	ND	1.0	0.7	ug/L	
Hexachloroethane	ND	1.0	0.6	ug/L	
Indeno(1,2,3-cd)pyrene	ND	0.05	0.02	ug/L	
Isophorone	ND	1.0	0.9	ug/L	
2-Methyl-4,6-dinitrophenol	ND	2.0	0.6	ug/L	
Naphthalene	ND	0.05	0.02	ug/L	
Nitrobenzene	ND	1.0	0.9	ug/L	
2-Nitrophenol	ND	2.0	0.8	ug/L	
4-Nitrophenol	ND	1.0	0.5	ug/L	
N-Nitrosodimethylamine	ND	1.0	0.5	ug/L	
N-Nitroso-di-n-propylamine	ND	1.0	0.8	ug/L	
N-Nitrosodiphenylamine	ND	1.0	0.5	ug/L	
Pentachlorophenol	ND	1.0	0.6	ug/L	
Phenanthrene	ND	0.05	0.01	ug/L	
Phenol	ND	1.0	0.5	ug/L	
Pyrene	ND	0.05	0.02	ug/L	
1,2,4-Trichlorobenzene	ND	1.0	0.6	ug/L	
2,4,6-Trichlorophenol	ND	2.0	1	ug/L	
2-Fluorobiphenyl (SS)	46	10-100		%	
2-Fluorophenol (SS)	27	10-100		%	
Nitrobenzene-d5 (SS)	48	27-109		%	
Phenol-d6 (SS)	19	12-100		%	
Terphenyl-d14 (SS)	54	35-153		%	
2,4,6-Tribromophenol (SS)	72	32-148		%	

LABORATORY CONTROL SAMPLE & LCSD: 608853 608854

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% REC Limits	RPD	Max RPD	Qualifier
Acenaphthene	ug/L	50	30	31	61	62	47-145	1.7	30	
Acenaphthylene	ug/L	50	29	29	58	58	33-145	0.9	30	
Anthracene	ug/L	50	35	29	70	58	27-133	19	30	

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QUALITY CONTROL DATA

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

Analysis Description:	Semivolatile Organic Analysis	**QC Batch:**	SPR/6668
Analysis Method:	EPA 625	**QC Batch Method:**	EPA 625

LABORATORY CONTROL SAMPLE & LCSD: 608853 608854

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% REC Limits	RPD	Max RPD	Qualifier
Benzo(a)anthracene	ug/L	50	33	36	66	73	33-143	10	30	
Benzo(a)pyrene	ug/L	50	36	34	72	68	17-163	6	30	
Benzo(b)fluoranthene	ug/L	50	47	43	95	86	24-159	10	30	
Benzo(g,h,i)perylene	ug/L	50	22	21	43	42	1-219	2.3	30	
Benzo(k)fluoranthene	ug/L	50	27	26	55	51	11-162	6.5	30	
Benzyl butyl phthalate	ug/L	50	36	39	71	77	1-152	7.8	30	
4-Bromophenyl phenyl ether	ug/L	50	38	31	75	63	53-127	18	30	
bis(2-Chloroethoxy) methane	ug/L	50	26	24	53	47	33-184	12	30	
bis(2-Chloroethyl) ether	ug/L	50	27	25	54	49	12-158	9.5	30	
bis(2-Chloroisopropyl) ether	ug/L	50	24	22	47	45	36-166	6.2	30	
4-Chloro-3-methylphenol	ug/L	100	56	55	56	55	22-147	3.1	30	
2-Chloronaphthalene	ug/L	50	31	31	61	61	60-118	0.1	30	
2-Chlorophenol	ug/L	100	43	41	43	41	23-134	5.4	30	
4-Chlorophenyl phenyl ether	ug/L	50	32	32	64	63	25-158	0.9	30	
Chrysene	ug/L	50	28	30	55	59	17-168	7.5	30	
Dibenzo(a,h)anthracene	ug/L	50	28	27	55	54	1-227	3.4	30	
3,3'-Dichlorobenzidine	ug/L	50	32	35	64	71	1-262	11	30	
2,4-Dichlorophenol	ug/L	100	55	53	55	53	39-135	3.8	40	
Diethylphthalate	ug/L	50	33	32	66	64	1-114	3.6	30	
2,4-Dimethylphenol	ug/L	100	54	50	54	50	32-119	8.6	40	
Dimethylphthalate	ug/L	50	36	36	72	72	1-112	0.7	30	
Di-n-butylphthalate	ug/L	50	30	24	60	48	1-118	22	30	
2,4-Dinitrophenol	ug/L	100	85	76	85	76	1-191	12	40	
2,4-Dinitrotoluene	ug/L	50	39	38	79	77	39-139	2.8	41	
2,6-Dinitrotoluene	ug/L	50	38	38	76	75	50-158	0.6	30	
Di-n-octylphthalate	ug/L	50	30	32	60	65	4-146	8.4	30	
bis(2-Ethylhexyl) phthalate	ug/L	50	29	34	58	67	8-158	14	30	
Fluoranthene	ug/L	50	33	28	66	55	26-137	19	30	
Fluorene	ug/L	50	30	30	60	59	59-121	2.1	30	
Hexachlorobenzene	ug/L	50	38	31	75	63	1-152	18	30	
Hexachlorobutadiene	ug/L	50	24	22	47	44	24-116	6	30	
Hexachloroethane	ug/L	50	23	20	45	39	38-113	13	30	
Indeno(1,2,3-cd)pyrene	ug/L	50	28	27	56	54	1-171	3.2	30	
Isophorone	ug/L	50	29	26	58	52	21-196	12	30	
2-Methyl-4,6-dinitrophenol	ug/L	100	92	75	92	75	1-181	20	40	
Naphthalene	ug/L	50	20	19	39	38	21-133	2.9	30	
Nitrobenzene	ug/L	50	27	24	54	48	35-180	12	30	
2-Nitrophenol	ug/L	100	60	55	60	55	29-182	7.4	40	
4-Nitrophenol	ug/L	100	38	33	38	33	1-132	14	55	
N-Nitroso-di-n-propylamine	ug/L	50	26	24	53	49	1-230	7.2	30	
Pentachlorophenol	ug/L	100	82	67	82	67	14-176	20	51	
Phenanthrene	ug/L	50	35	28	69	57	54-120	20	30	
Phenol	ug/L	100	25	23	25	23	5-112	6.1	30	
Pyrene	ug/L	50	28	31	56	63	52-115	11	30	

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QUALITY CONTROL DATA

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

Analysis Description:	Semivolatile Organic Analysis	**QC Batch:**	SPR/6668
Analysis Method:	EPA 625	**QC Batch Method:**	EPA 625

LABORATORY CONTROL SAMPLE & LCSD: 608853 608854

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% REC Limits	RPD	Max RPD	Qualifier
1,2,4-Trichlorobenzene	ug/L	50	24	23	48	45	43-142	6.7	44	
2,4,6-Trichlorophenol	ug/L	100	71	69	71	69	37-144	2.5	40	
2-Fluorobiphenyl (SS)	%				62	61	10-100	2.2		
2-Fluorophenol (SS)	%				35	31	10-100	12		
Nitrobenzene-d5 (SS)	%				55	48	27-109	13		
Phenol-d6 (SS)	%				26	24	12-100	6.9		
Terphenyl-d14 (SS)	%				64	71	35-153	11		
2,4,6-Tribromophenol (SS)	%				90	86	32-148	4.9		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 608855 608856

Parameter	Units	P100609001 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Acenaphthene	ug/L	0	59	12	28	21	50	47-145	76	30	8,9
Acenaphthylene	ug/L	0	59	13	26	21	47	33-145	71	30	9
Anthracene	ug/L	0	59	18	32	31	57	27-133	53	30	10
Benzo(a)anthracene	ug/L	0.4	59	21	33	35	58	33-143	45	30	10
Benzo(a)pyrene	ug/L	0	59	23	39	39	70	17-163	52	30	10
Benzo(b)fluoranthene	ug/L	0	59	26	43	44	78	24-159	50	30	10
Benzo(g,h,i)perylene	ug/L	0	59	17	20	29	36	1-219	16	30	
Benzo(k)fluoranthene	ug/L	0	59	24	31	41	56	11-162	25	30	
Benzyl butyl phthalate	ug/L	0	59	22	35	37	63	1-152	46	30	10
4-Bromophenyl phenyl ether	ug/L	0	59	15	33	26	59	53-127	72	30	10
bis(2-Chloroethoxy) methane	ug/L	0	59	13	27	22	48	33-184	70	30	9
bis(2-Chloroethyl) ether	ug/L	0	59	13	25	23	46	12-158	62	30	9
bis(2-Chloroisopropyl) ether	ug/L	0	59	12	25	20	45	36-166	72	30	9
4-Chloro-3-methylphenol	ug/L	0	120	42	58	36	52	22-147	32	30	10
2-Chloronaphthalene	ug/L	0	59	11	26	19	47	60-118	79	30	
2-Chlorophenol	ug/L	0	120	32	45	27	41	23-134	35	30	10
4-Chlorophenyl phenyl ether	ug/L	0	59	14	30	23	54	25-158	75	30	9
Chrysene	ug/L	0.03	59	20	28	33	51	17-168	37	30	10
Dibenzo(a,h)anthracene	ug/L	0	59	21	27	36	48	1-227	22	30	
3,3'-Dichlorobenzidine	ug/L	0	59	16	28	28	51	1-262	55	30	10
2,4-Dichlorophenol	ug/L	0	120	30	56	26	50	39-135	60	40	9
Diethylphthalate	ug/L	0	59	20	32	34	58	1-114	46	30	12
2,4-Dimethylphenol	ug/L	0	120	35	55	30	50	32-119	45	40	9
Dimethylphthalate	ug/L	0	59	18	32	31	58	1-112	56	30	9
Di-n-butylphthalate	ug/L	0	59	20	27	34	48	1-118	30	30	
2,4-Dinitrophenol	ug/L	0	120	44	77	37	69	1-191	55	40	10
2,4-Dinitrotoluene	ug/L	0	59	20	31	34	55	39-139	41	41	12
2,6-Dinitrotoluene	ug/L	0	59	15	33	26	59	50-158	73	30	9
Di-n-octylphthalate	ug/L	0	59	22	30	38	53	4-146	28	30	
bis(2-Ethylhexyl) phthalate	ug/L	0	59	22	31	37	56	8-158	36	30	

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QUALITY CONTROL DATA

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

Analysis Description:	Semivolatile Organic Analysis	**QC Batch:**	SPR/6668
Analysis Method:	EPA 625	**QC Batch Method:**	EPA 625

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 608855 608856

Parameter	Units	P100609001 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Fluoranthene	ug/L	0.04	59	20	30	35	54	26-137	38	30	10
Fluorene	ug/L	0	59	14	29	24	52	59-121	68	30	9
Hexachlorobenzene	ug/L	0	59	17	32	28	58	1-152	63	30	10
Hexachlorobutadiene	ug/L	0	59	10	23	18	42	24-116	76	30	9
Hexachloroethane	ug/L	0	59	9.9	22	17	39	38-113	75	30	9
Indeno(1,2,3-cd)pyrene	ug/L	0	59	21	26	36	46	1-171	20	30	
Isophorone	ug/L	0	59	14	30	24	53	21-196	70	30	10
2-Methyl-4,6-dinitrophenol	ug/L	0	120	44	84	38	76	1-181	62	40	10
Naphthalene	ug/L	0	59	10	20	18	37	21-133	65	30	9
Nitrobenzene	ug/L	0	59	13	27	22	49	35-180	72	30	9
2-Nitrophenol	ug/L	0	120	27	60	23	54	29-182	75	40	9
4-Nitrophenol	ug/L	0	120	39	44	33	39	1-132	11	55	
N-Nitroso-di-n-propylamine	ug/L	0	59	14	28	23	51	1-230	70	30	10
Pentachlorophenol	ug/L	0	120	36	73	31	66	14-176	68	51	10
Phenanthrene	ug/L	0	59	18	32	30	57	54-120	56	30	10
Phenol	ug/L	0	120	25	27	21	25	5-112	10	30	
Pyrene	ug/L	0	59	20	28	34	51	52-115	34	30	9
1,2,4-Trichlorobenzene	ug/L	0	59	10	23	17	42	43-142	79	44	9
2,4,6-Trichlorophenol	ug/L	0	120	26	58	22	52	37-144	75	40	9
2-Fluorobiphenyl (SS)	%					20	48	10-100	77		
2-Fluorophenol (SS)	%					26	32	10-100	17		
Nitrobenzene-d5 (SS)	%					21	48	27-109	74		11
Phenol-d6 (SS)	%					21	25	12-100	12		
Terphenyl-d14 (SS)	%					45	59	35-153	22		
2,4,6-Tribromophenol (SS)	%					34	69	32-148	62		

Analysis Description:	Chlorinated Pesticides & PCBs Analysis	**QC Batch:**	SPR/6665
Analysis Method:	EPA 608	**QC Batch Method:**	EPA 608

METHOD BLANK: 608511

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Aldrin	ND	0.005	0.004	ug/L	
alpha-BHC	ND	0.005	0.005	ug/L	
beta-BHC	ND	0.005	0.004	ug/L	
delta-BHC	ND	0.005	0.004	ug/L	
gamma-BHC (Lindane)	ND	0.005	0.004	ug/L	
Chlordane	ND	0.050	0.020	ug/L	
4,4'-DDD	ND	0.005	0.004	ug/L	
4,4'-DDE	ND	0.005	0.003	ug/L	
4,4'-DDT	ND	0.005	0.004	ug/L	
Dieldrin	ND	0.005	0.004	ug/L	
Endosulfan I	ND	0.005	0.004	ug/L	

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QUALITY CONTROL DATA

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

Analysis Description:	Chlorinated Pesticides & PCBs Analysis	**QC Batch:**	SPR/6665
Analysis Method:	EPA 608	**QC Batch Method:**	EPA 608

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Endosulfan II	ND	0.005	0.005	ug/L	
Endosulfan sulfate	ND	0.005	0.005	ug/L	
Endrin	ND	0.005	0.005	ug/L	
Endrin aldehyde	ND	0.005	0.005	ug/L	
Endrin ketone	ND	0.005	0.005	ug/L	
Heptachlor	ND	0.005	0.005	ug/L	
Heptachlor epoxide	ND	0.005	0.004	ug/L	
Methoxychlor	ND	0.005	0.005	ug/L	
PCB 1016	ND	0.10	0.050	ug/L	
PCB 1221	ND	0.10	0.050	ug/L	
PCB 1232	ND	0.10	0.050	ug/L	
PCB 1242	ND	0.10	0.040	ug/L	
PCB 1248	ND	0.10	0.050	ug/L	
PCB 1254	ND	0.10	0.050	ug/L	
PCB 1260	ND	0.10	0.050	ug/L	
Toxaphene	ND	0.5	0.3	ug/L	
Decachlorobiphenyl (SS)	97	32-119		%	
Tetrachloro-m-xylene (SS)	74	42-100		%	

LABORATORY CONTROL SAMPLE & LCSD: 608512 608513

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% REC Limits	RPD	Max RPD	Qualifier
Aldrin	ug/L	0.2	0.18	0.14	88	72	42-122	20	24	
alpha-BHC	ug/L	0.2	0.18	0.13	89	67	37-134	28	30	
beta-BHC	ug/L	0.2	0.19	0.17	96	83	17-147	14	30	
delta-BHC	ug/L	0.2	0.17	0.15	84	76	19-140	10	30	
gamma-BHC (Lindane)	ug/L	0.2	0.2	0.17	99	84	32-127	17	20	
4,4'-DDD	ug/L	0.2	0.24	0.22	118	113	31-141	4.8	30	
4,4'-DDE	ug/L	0.2	0.22	0.21	113	105	30-145	7.4	30	
4,4'-DDT	ug/L	0.2	0.22	0.22	112	108	25-160	3.6	19	
Dieldrin	ug/L	0.2	0.22	0.21	111	107	36-146	3.7	17	
Endosulfan I	ug/L	0.2	0.19	0.18	96	91	45-153	5.6	30	
Endosulfan II	ug/L	0.2	0.22	0.21	109	105	1-202	3.8	30	
Endosulfan sulfate	ug/L	0.2	0.22	0.22	112	109	26-144	2.7	30	
Endrin	ug/L	0.2	0.21	0.2	105	99	30-147	5.9	18	
Endrin aldehyde	ug/L	0.2	0.24	0.24	121	121	73-125	0.4	30	
Endrin ketone	ug/L	0.2	0.23	0.23	117	115	59-136	1.7	30	
Heptachlor	ug/L	0.2	0.2	0.17	101	84	34-111	19	23	
Heptachlor epoxide	ug/L	0.2	0.2	0.18	98	90	37-142	8.5	30	
Methoxychlor	ug/L	0.2	0.25	0.26	124	129	61-137	4	30	
Decachlorobiphenyl (SS)	%				111	102	32-119	8.5		
Tetrachloro-m-xylene (SS)	%				82	41	42-100	66		

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QUALITY CONTROL DATA

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

Analysis Description:	Volatile Organic Analysis	**QC Batch:**	VMS/3120
Analysis Method:	EPA 624	**QC Batch Method:**	EPA 624

METHOD BLANK: 608109

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Acrolein	ND	4.0	1.7	ug/L	
Acrylonitrile	ND	2.0	1.0	ug/L	
Benzene	ND	0.5	0.2	ug/L	
Bromodichloromethane	ND	0.5	0.2	ug/L	
Bromoform	ND	0.5	0.2	ug/L	
Bromomethane (Methyl Bromide)	ND	0.5	0.2	ug/L	
Carbon tetrachloride	ND	0.5	0.2	ug/L	
Chlorobenzene	ND	0.5	0.2	ug/L	
Chloroethane (Ethyl Chloride)	ND	0.5	0.4	ug/L	
2-Chloroethyl vinyl ether	ND	1.0	0.3	ug/L	
Chloroform	ND	0.5	0.2	ug/L	
Chloromethane(Methyl Chloride)	ND	0.5	0.2	ug/L	
Dibromochloromethane	ND	0.5	0.2	ug/L	
1,2-Dichlorobenzene	ND	0.5	0.3	ug/L	
1,3-Dichlorobenzene	ND	0.5	0.2	ug/L	
1,4-Dichlorobenzene	ND	0.5	0.2	ug/L	
Dichlorodifluoromethane (F-12)	ND	0.5	0.3	ug/L	
1,1-Dichloroethane	ND	0.5	0.2	ug/L	
1,2-Dichloroethane (EDC)	ND	0.5	0.2	ug/L	
1,1-Dichloroethene	ND	0.5	0.2	ug/L	
cis-1,2-Dichloroethene	ND	0.5	0.2	ug/L	
trans-1,2-Dichloroethene	ND	0.5	0.2	ug/L	
1,2-Dichloropropane	ND	0.5	0.2	ug/L	
cis-1,3-Dichloropropene	ND	0.5	0.2	ug/L	
trans-1,3-Dichloropropene	ND	0.5	0.2	ug/L	
Dichlorotrifluoroethane (F123)	ND	0.5	0.1	ug/L	
Ethylbenzene	ND	0.5	0.3	ug/L	
Methyl tert-butyl ether (MTBE)	ND	0.5	0.2	ug/L	
Methylene chloride	ND	0.5	0.3	ug/L	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	ug/L	
Tetrachloroethene (PCE)	ND	0.5	0.2	ug/L	
Toluene	ND	0.5	0.2	ug/L	
1,1,2-Trichloroethane	ND	0.5	0.2	ug/L	
1,1,1-Trichloroethane (TCA)	ND	0.5	0.2	ug/L	
Trichloroethene (TCE)	ND	0.5	0.2	ug/L	
Trichlorofluoromethane (F-11)	ND	0.5	0.3	ug/L	
Trichlorotrifluorethane (F113)	ND	0.5	0.1	ug/L	
Vinyl chloride	ND	0.5	0.2	ug/L	
Xylenes, total	ND	0.5	0.3	ug/L	
4-Bromofluorobenzene (SS)	94	85-115		%	
Dibromofluoromethane (SS)	100	85-115		%	
1,2-Dichlorobenzene-d4 (SS)	86	80-120		%	
1,2-Dichloroethane-d4 (SS)	102	75-125		%	
Toluene-d8 (SS)	97	90-121		%	

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QUALITY CONTROL DATA

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

Analysis Description:	Volatile Organic Analysis	**QC Batch:**	VMS/3120
Analysis Method:	EPA 624	**QC Batch Method:**	EPA 624

LABORATORY CONTROL SAMPLE & LCSD: 608110 608111

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% REC Limits	RPD	Max RPD	Qualifier
Acrolein	ug/L	80	76	85	95	106	1-199	11	30	
Acrylonitrile	ug/L	80	79	83	99	104	76-112	5.5	30	
Benzene	ug/L	20	21	21	104	106	37-151	1.3	30	
Bromodichloromethane	ug/L	20	21	22	107	112	35-155	4	30	
Bromoform	ug/L	20	23	23	116	114	45-169	1.7	30	
Bromomethane (Methyl Bromide)	ug/L	20	21	20	105	98	10-242	6.8	30	
Carbon tetrachloride	ug/L	20	20	20	101	98	70-140	3	30	
Chlorobenzene	ug/L	20	20	19	101	97	37-160	3.5	30	
Chloroethane (Ethyl Chloride)	ug/L	20	21	20	105	98	14-230	7.1	30	
2-Chloroethyl vinyl ether	ug/L	40	41	44	103	111	1-305	7.1	30	
Chloroform	ug/L	20	21	21	105	106	51-138	0.4	30	
Chloromethane(Methyl Chloride)	ug/L	20	21	19	104	97	10-273	6.7	30	
Dibromochloromethane	ug/L	20	22	21	112	107	53-149	4.6	30	
1,2-Dichlorobenzene	ug/L	20	20	20	98	99	18-190	1.1	30	
1,3-Dichlorobenzene	ug/L	20	20	19	101	95	59-156	6	30	
1,4-Dichlorobenzene	ug/L	20	21	20	105	98	18-190	6.2	30	
1,1-Dichloroethane	ug/L	20	21	21	105	105	59-155	0.1	30	
1,1-Dichloroethene	ug/L	20	22	21	108	106	10-234	1.7	30	
trans-1,2-Dichloroethene	ug/L	20	22	21	108	106	54-156	1.3	30	
1,2-Dichloropropane	ug/L	20	22	21	108	106	10-210	1.4	30	
cis-1,3-Dichloropropene	ug/L	20	22	22	109	109	10-227	0.8	30	
trans-1,3-Dichloropropene	ug/L	20	22	21	108	104	17-183	3.7	30	
Ethylbenzene	ug/L	20	21	19	106	97	37-162	8.8	30	
Methyl tert-butyl ether (MTBE)	ug/L	20	21	22	104	108	73-123	4	30	
Methylene chloride	ug/L	20	19	19	95	97	10-221	2.5	30	
1,1,2,2-Tetrachloroethane	ug/L	20	20	20	101	102	46-157	0.3	30	
Tetrachloroethene (PCE)	ug/L	20	22	21	110	103	64-148	6.6	30	
Toluene	ug/L	20	21	20	105	101	47-150	3.9	30	
1,1,2-Trichloroethane	ug/L	20	21	21	106	103	52-150	2.7	30	
1,1,1-Trichloroethane (TCA)	ug/L	20	22	22	110	112	52-162	1.8	30	
Trichloroethene (TCE)	ug/L	20	22	21	109	107	71-157	1.6	30	
Trichlorofluoromethane (F-11)	ug/L	20	18	18	90	92	17-181	2.3	30	
Vinyl chloride	ug/L	20	21	20	104	101	10-251	2.9	30	
4-Bromofluorobenzene (SS)	%				100	99	85-115	0.9		
Dibromofluoromethane (SS)	%				98	101	85-115	3.1		
1,2-Dichlorobenzene-d4 (SS)	%				102	102	80-120	0.7		
1,2-Dichloroethane-d4 (SS)	%				97	102	75-125	5		
Toluene-d8 (SS)	%				100	103	90-121	3		

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QUALITY CONTROL DATA

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

Analysis Description:	Cyanide, Total Analysis, Unpreserved	**QC Batch:**	WCO/10274
Analysis Method:	SM20-4500-CN C&E	**QC Batch Method:**	SM20-4500-CN C&E

METHOD BLANK: 609386

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Cyanide	ND	3	0.9	ug/L	

LABORATORY CONTROL SAMPLE: 609387

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% REC Limits	Qualifier
Cyanide	ug/L	20	21	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 609388 609389

Parameter	Units	P100676002 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Cyanide	ug/L	1.9	40	42	38	100	91	80-120	9.2	20	

METHOD BLANK: 609386

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Cyanide	ND	3	0.9	ug/L	

LABORATORY CONTROL SAMPLE: 609387

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% REC Limits	Qualifier
Cyanide	ug/L	20	21	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 609388 609389

Parameter	Units	P100676002 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Cyanide	ug/L	1.9	40	42	38	100	91	80-120	9.2	20	

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QUALITY CONTROL DATA QUALIFIERS

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

QUALITY CONTROL PARAMETER QUALIFIERS

Results Qualifiers: Report fields may contain codes and non-numeric data correlating to one or more of the following definitions:

NS - means not spiked and will not have recoveries reported for Analyte Spike Amounts

QC Codes Keys: These descriptors are used to help identify the specific QC samples and clarify the report.

MB - Method Blank

Method Blanks are reported to the same Method Detection Limits (MDLs) or Reporting Limits (RLs) as the analytical samples in the corresponding QC batch.

LCS/LCSD - Laboratory Control Spike / Laboratory Control Spike Duplicate

DUP - Duplicate of Original Sample Matrix

MS/MSD - Matrix Spike / Matrix Spike Duplicate

RPD - Relative Percent Difference

%Recovery - Spike Recovery stated as a percentage

1 Analyte(s) reported as 'ND' means not detected at or above the listed Method Detection Limits (MDL).

8 Reporting Limits may be elevated due to limited sample volume.

9 Matrix spike recovery(ies) and RPD outside control limit. Sample result accepted based on LCS and Method Blank.

10 MS/MSD RPD above control limits. LCS and MS/MSD recoveries are in control.

11 Caltest allows one surrogate outside of laboratory control limits per SOP.

12 Matrix Spike recovery(ies) outside control limits: LCS(LCSD) recoveries and RPD are in control. Possible Matrix interference in QC sample.

13 RNC = Recovery Not Calculated. Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries were not calculated due to the high native concentration in the sample selected for MS/MSD versus the laboratory spike concentration.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab Order: P100676
Project ID: STOCKTON-ADDT'L FOR PRIORITY P

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
P100676001	**EFF-001/C: 10-13-14 (FE)**	EPA 245.1	MPR/13159	EPA 245.1, Low Level	MHG/4790
P100676002	**INF-001/ C: 10-13-14 (HW)**	EPA 245.1	MPR/13159	EPA 245.1, Low Level	MHG/4790
P100676001	**EFF-001/C: 10-13-14 (FE)**	EPA 200.8	MPR/13162	EPA 200.8	MMS/7385
P100676002	**INF-001/ C: 10-13-14 (HW)**	EPA 200.8	MPR/13162	EPA 200.8	MMS/7385
P100676001	**EFF-001/C: 10-13-14 (FE)**	EPA 608	SPR/6665	EPA 608	SMS/3580
P100676002	**INF-001/ C: 10-13-14 (HW)**	EPA 608	SPR/6665	EPA 608	SMS/3580
P100676001	**EFF-001/C: 10-13-14 (FE)**	EPA 625	SPR/6668	EPA 625	SMS/3577
P100676002	**INF-001/ C: 10-13-14 (HW)**	EPA 625	SPR/6668	EPA 625	SMS/3577
P100676003	**INF-001 (HW)**	EPA 624	VMS/3120		
P100676001	**EFF-001/C: 10-13-14 (FE)**	SM20-4500-CN C&E	WCO/10274		
P100676002	**INF-001/ C: 10-13-14 (HW)**	SM20-4500-CN C&E	WCO/10274		

nelac

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PAGE 1 OF 1

SAMPLE CHAIN OF CUSTODY

PROJECT NAME / PROJECT NUMBER: Stockton - Additional for Priority Pollutants only

P.O. NUMBER: 181796

LAB ORDER #: P100676

CLIENT: City of Stockton

REPORT TO: David Callas

MAILING ADDRESS: 2500 Navy Dr., Stockton

STATE: CA

ZIP: 95206

BILLING ADDRESS: Same

ATTN: Same

PHONE NUMBER: (209) 937-8786

FAX PHONE NUMBER: (209) 937-8708

SAMPLER (PRINT & SIGN NAME): TERRIE HINKLE Terrie L Hinkle

TURN-AROUND TIME: [X] STANDARD [ ] RUSH

DUE DATE:

ANALYSES REQUESTED

CALTEST LAB #	DATE SAMPLED	TIME SAMPLED	SAMPLE MATRIX*	CONTAINER TYPE/ AMOUNT**	PRESERVATIVE	SAMPLE IDENTIFICATION / SITE	CLIENT LAB #	COMP. or GRAB	PP-METALS.ML / Mo.ML	CN.ML	608.ML	625.ML incl PAH's		PP-METALS.LL / Mo.LL	CN.LL	608.LL	625.LL	624.LL			REMARKS
	10-(13-14)-14	0813	ML	PINT/1	HNO3	EFF-001 / C: 10-13-14 [FE]	NA	Comp	X												
	"	"	"	PT/1	NONE	"	"	"		X											*Unpreserved - 10 day hold time*
	"	"	"	AL/4	NONE	"	"	"			X	X									Include PAH's in 625.ML
	10-(13-14)-14	0750	AQ	PINT/1	HNO3	INF-001 / C: 10-13-14 [HW]	NA	Comp						X							
	"	"	"	APT/1	NaOH	"	"	"							X						
	"	"	"	AL/4	NONE	"	"	"								X	X				
	10-14-14	0935	AQ	VOA/6	HCl / None / Field	INF-001 (HW)	NA	Grab										X			Include AA

For all parameters: REPORT MDL AND J-FLAG

RELINQUISHED BY	DATE/TIME	RECEIVED BY	RELINQUISHED BY	DATE/TIME	RECEIVED BY
David Callas	10/15/14/1513	[signature]	[signature]	10/15/14/1953	[signature]

FOR LAB USE ONLY

Samples: WC ___ MICRO ___ BIO ___ AA ___ SV ___ VOA ___ pH? Y/N TEMP 09 SEALED: Y/N INTACT: Y/N

BD: BIO ___ WC ___ AA ___

CC: AA ___ SV ___ VOA ___

SIL: HP ___ PT ___ QT ___ VOA ___

W/HNO_3 ___ H_2SO_4 ___ NaOH ___

PIL: HNO_3 ___ H_2SO_4 ___ NaOH ___ HCL ___

COMMENTS:

*MATRIX: AQ = Aqueous Nondrinking Water, Digested Metals; FE = Low R.L.s, Aqueous Nondrinking Water, Digested Metals; DW = Drinking Water; SL = Soil Sludge, Solid ; FP = Free Product

**CONTAINER TYPES: AL = Amber Liter; AHL = 500 ml Amber; PT = Pint (Plastic); QT = Quart (Plastic); HG = Half Gallon (Plastic); SJ = Soil Jar; B4 = 4oz. BACT; BT = Brass Tube; VOA = 40mL VOA; OTC - Other Type Container

R ___ PR ___ M ___ F ___

WHITE - LABORATORY YELLOW - CLIENT COPY TO ACCOMPANY FINAL REPORT PINK - CLIENT COPY AS RECEIPT

Wednesday, November 26, 2014

David Callas
City of Stockton MUD
2500 Navy Drive
Stockton, CA 95206

Re Lab Order: P100674
Project ID: STOCKTON MONTHLY NPDES FE+ PP

Collected By: Terrie Hinkle
PO/Contract #: 181796

Dear David Callas:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, October 15, 2014. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Enclosures

Project Manager: Danielle Regan

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SAMPLE SUMMARY

Lab Order: P100674
Project ID: STOCKTON MONTHLY NPDES FE+ PP

Lab ID	Sample ID	Matrix	Date Collected	Date Received
P100674001	EFF-001 (FE)	Water	10/14/2014 09:15	10/15/2014 19:53
P100674002	TRAVEL BLANK	Water	10/14/2014 00:00	10/15/2014 19:53
P100674003	EFF-001 (FE)	Water	10/14/2014 09:15	10/15/2014 19:53
P100674004	FE-FD (FIELD DUPLICATE)	Water	10/14/2014 09:15	10/15/2014 19:53
P100674005	FE POUR BLANK	Water	10/14/2014 09:26	10/15/2014 19:53

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NARRATIVE

Lab Order: P100674
Project ID: STOCKTON MONTHLY NPDES FE+ PP

General Qualifiers and Notes

Caltest authorizes this report to be reproduced only in its entirety. Results are specific to the sample(s) as submitted and only to the parameter(s) reported.

Caltest certifies that all test results for wastewater and hazardous waste analyses meet all applicable NELAC requirements; all microbiology and drinking water testing meet applicable ELAP requirements, unless stated otherwise.

All analyses performed by EPA Methods or Standard Methods (SM) 20th Edition except where noted (SMOL=online edition).

Caltest collects samples in compliance with 40 CFR, EPA Methods, Cal. Title 22, and Standard Methods.

Dilution Factors (DF) reported greater than '1' have been used to adjust the result, Reporting Limit (RL), and Method Detection Limit (MDL).

All Solid, sludge, and/or biosolids data is reported in Wet Weight, unless otherwise specified.

Filtrations performed at Caltest for dissolved metals (excluding mercury) and/or pH analysis are not performed within the 15 minute holding time as specified by 40CFR 136.3 table II.

Results Qualifiers: Report fields may contain codes and non-numeric data correlating to one or more of the following definitions:

ND - Non Detect - indicates analytical result has not been detected.

RL - Reporting Limit is the quantitation limit at which the laboratory is able to detect an analyte. An analyte not detected at or above the RL is reported as ND unless otherwise noted or qualified. For analyses pertaining to the State Implementation Plan of the California Toxics Rule, the Caltest Reporting Limit (RL) is equivalent to the Minimum Level (ML). A standard is always run at or below the ML. Where Reporting Limits are elevated due to dilution, the ML calibration criteria has been met.

J - reflects estimated analytical result value detected below the Reporting Limit (RL) and above the Method Detection Limit (MDL). The 'J' flag is equivalent to the DNQ Estimated Concentration flag.

E - indicates an estimated analytical result value.

B - indicates the analyte has been detected in the blank associated with the sample.

NC - means not able to be calculated for RPD or Spike Recoveries.

SS - compound is a Surrogate Spike used per laboratory quality assurance manual.

NOTE: This document represents a complete Analytical Report for the samples referenced herein and should be retained as a permanent record thereof.

Qualifiers and Compound Notes

1	Analyte(s) reported as 'ND' means not detected at or above the listed Method Detection Limits (MDL).
2	Acrolein: Sample was not received preserved to pH 4-5.
3	Sample was analyzed at a pH<2 for 2-Chloroethyl vinyl ether.

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ANALYTICAL RESULTS

Lab Order: P100674
Project ID: STOCKTON MONTHLY NPDES FE+ PP

Lab ID P100674001 Date Collected 10/14/2014 09:15 Matrix Water
Sample ID EFF-001 (FE) Date Received 10/15/2014 19:53

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Volatile Organic Analysis	**Analytical Method:**		EPA 624					**Analyzed by:**	AN	
Acrolein	ND	ug/L	5.0	1.7	1			10/17/14 21:36	VMS 3120	1
Acrylonitrile	ND	ug/L	2.0	1.0	1			10/17/14 21:36	VMS 3120	
Benzene	ND	ug/L	0.5	0.18	1			10/17/14 21:36	VMS 3120	
Bromodichloromethane	11	ug/L	0.5	0.16	1			10/17/14 21:36	VMS 3120	
Bromoform	29	ug/L	0.5	0.20	1			10/17/14 21:36	VMS 3120	
Bromomethane (Methyl Bromide)	ND	ug/L	0.5	0.17	1			10/17/14 21:36	VMS 3120	
Carbon tetrachloride	ND	ug/L	0.5	0.16	1			10/17/14 21:36	VMS 3120	
Chlorobenzene	ND	ug/L	0.5	0.18	1			10/17/14 21:36	VMS 3120	
Chloroethane (Ethyl Chloride)	ND	ug/L	0.5	0.38	1			10/17/14 21:36	VMS 3120	
2-Chloroethyl vinyl ether	ND	ug/L	1.0	0.28	1			10/17/14 21:36	VMS 3120	
Chloroform	2.9	ug/L	0.5	0.19	1			10/17/14 21:36	VMS 3120	
Chloromethane(Methyl Chloride)	ND	ug/L	0.5	0.23	1			10/17/14 21:36	VMS 3120	
Dibromochloromethane	21	ug/L	0.5	0.17	1			10/17/14 21:36	VMS 3120	
1,2-Dichlorobenzene	ND	ug/L	0.5	0.27	1			10/17/14 21:36	VMS 3120	
1,3-Dichlorobenzene	ND	ug/L	0.5	0.18	1			10/17/14 21:36	VMS 3120	
1,4-Dichlorobenzene	ND	ug/L	0.5	0.18	1			10/17/14 21:36	VMS 3120	
Dichlorodifluoromethane (F-12)	ND	ug/L	0.5	0.30	1			10/17/14 21:36	VMS 3120	
1,1-Dichloroethane	ND	ug/L	0.5	0.19	1			10/17/14 21:36	VMS 3120	
1,2-Dichloroethane (EDC)	ND	ug/L	0.5	0.18	1			10/17/14 21:36	VMS 3120	
1,1-Dichloroethene	ND	ug/L	0.5	0.21	1			10/17/14 21:36	VMS 3120	
cis-1,2-Dichloroethene	ND	ug/L	0.5	0.20	1			10/17/14 21:36	VMS 3120	
trans-1,2-Dichloroethene	ND	ug/L	0.5	0.22	1			10/17/14 21:36	VMS 3120	
1,2-Dichloropropane	ND	ug/L	0.5	0.18	1			10/17/14 21:36	VMS 3120	
cis-1,3-Dichloropropene	ND	ug/L	0.5	0.16	1			10/17/14 21:36	VMS 3120	
trans-1,3-Dichloropropene	ND	ug/L	0.5	0.16	1			10/17/14 21:36	VMS 3120	
Dichlorotrifluoroethane (F123)	ND	ug/L	0.5	0.14	1			10/17/14 21:36	VMS 3120	
Ethylbenzene	ND	ug/L	0.5	0.26	1			10/17/14 21:36	VMS 3120	
Methyl tert-butyl ether (MTBE)	ND	ug/L	0.5	0.15	1			10/17/14 21:36	VMS 3120	
Methylene chloride	ND	ug/L	0.5	0.30	1			10/17/14 21:36	VMS 3120	
Styrene	ND	ug/L	0.5	0.19	1			10/17/14 21:36	VMS 3120	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	0.20	1			10/17/14 21:36	VMS 3120	
Tetrachloroethene (PCE)	ND	ug/L	0.5	0.19	1			10/17/14 21:36	VMS 3120	
Toluene	ND	ug/L	0.5	0.19	1			10/17/14 21:36	VMS 3120	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	0.19	1			10/17/14 21:36	VMS 3120	
1,1,2-Trichloroethane	ND	ug/L	0.5	0.16	1			10/17/14 21:36	VMS 3120	
1,1,1-Trichloroethane (TCA)	ND	ug/L	0.5	0.19	1			10/17/14 21:36	VMS 3120	
Trichloroethene (TCE)	ND	ug/L	0.5	0.20	1			10/17/14 21:36	VMS 3120	
Trichlorofluoromethane (F-11)	ND	ug/L	0.5	0.29	1			10/17/14 21:36	VMS 3120	
Trichlorotrifluorethane (F113)	ND	ug/L	1.0	0.11	1			10/17/14 21:36	VMS 3120	

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ANALYTICAL RESULTS

Lab Order: P100674
Project ID: STOCKTON MONTHLY NPDES FE+ PP

Lab ID **P100674001** Date Collected 10/14/2014 09:15 Matrix Water
Sample ID **EFF-001 (FE)** Date Received 10/15/2014 19:53

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Vinyl chloride	ND	ug/L	0.5	0.25	1			10/17/14 21:36	VMS 3120	
Xylenes, total	ND	ug/L	0.5	0.26	1			10/17/14 21:36	VMS 3120	
4-Bromofluorobenzene (SS)	93	%	85-115		1			10/17/14 21:36	VMS 3120	
Dibromofluoromethane (SS)	103	%	85-115		1			10/17/14 21:36	VMS 3120	
1,2-Dichloroethane-d4 (SS)	102	%	75-125		1			10/17/14 21:36	VMS 3120	
Toluene-d8 (SS)	99	%	90-121		1			10/17/14 21:36	VMS 3120	

Lab ID **P100674002** Date Collected 10/14/2014 00:00 Matrix Water
Sample ID **TRAVEL BLANK** Date Received 10/15/2014 19:53

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Volatile Organic Analysis	**Analytical Method:**		EPA 624					**Analyzed by:**	AN	
Acrolein	ND	ug/L	5.0	1.7	1			10/17/14 19:12	VMS 3120	1,3,2
Acrylonitrile	ND	ug/L	2.0	1.0	1			10/17/14 19:12	VMS 3120	
Benzene	ND	ug/L	0.5	0.18	1			10/17/14 19:12	VMS 3120	
Bromodichloromethane	ND	ug/L	0.5	0.16	1			10/17/14 19:12	VMS 3120	
Bromoform	ND	ug/L	0.5	0.20	1			10/17/14 19:12	VMS 3120	
Bromomethane (Methyl Bromide)	ND	ug/L	0.5	0.17	1			10/17/14 19:12	VMS 3120	
Carbon tetrachloride	ND	ug/L	0.5	0.16	1			10/17/14 19:12	VMS 3120	
Chlorobenzene	ND	ug/L	0.5	0.18	1			10/17/14 19:12	VMS 3120	
Chloroethane (Ethyl Chloride)	ND	ug/L	0.5	0.38	1			10/17/14 19:12	VMS 3120	
2-Chloroethyl vinyl ether	ND	ug/L	1.0	0.28	1			10/17/14 19:12	VMS 3120	
Chloroform	ND	ug/L	0.5	0.19	1			10/17/14 19:12	VMS 3120	
Chloromethane(Methyl Chloride)	ND	ug/L	0.5	0.23	1			10/17/14 19:12	VMS 3120	
Dibromochloromethane	ND	ug/L	0.5	0.17	1			10/17/14 19:12	VMS 3120	
1,2-Dichlorobenzene	ND	ug/L	0.5	0.27	1			10/17/14 19:12	VMS 3120	
1,3-Dichlorobenzene	ND	ug/L	0.5	0.18	1			10/17/14 19:12	VMS 3120	
1,4-Dichlorobenzene	ND	ug/L	0.5	0.18	1			10/17/14 19:12	VMS 3120	
Dichlorodifluoromethane (F-12)	ND	ug/L	0.5	0.30	1			10/17/14 19:12	VMS 3120	
1,1-Dichloroethane	ND	ug/L	0.5	0.19	1			10/17/14 19:12	VMS 3120	
1,2-Dichloroethane (EDC)	ND	ug/L	0.5	0.18	1			10/17/14 19:12	VMS 3120	
1,1-Dichloroethene	ND	ug/L	0.5	0.21	1			10/17/14 19:12	VMS 3120	
cis-1,2-Dichloroethene	ND	ug/L	0.5	0.20	1			10/17/14 19:12	VMS 3120	
trans-1,2-Dichloroethene	ND	ug/L	0.5	0.22	1			10/17/14 19:12	VMS 3120	
1,2-Dichloropropane	ND	ug/L	0.5	0.18	1			10/17/14 19:12	VMS 3120	
cis-1,3-Dichloropropene	ND	ug/L	0.5	0.16	1			10/17/14 19:12	VMS 3120	
trans-1,3-Dichloropropene	ND	ug/L	0.5	0.16	1			10/17/14 19:12	VMS 3120	
Dichlorotrifluoroethane (F123)	ND	ug/L	0.5	0.14	1			10/17/14 19:12	VMS 3120	
Ethylbenzene	ND	ug/L	0.5	0.26	1			10/17/14 19:12	VMS 3120	
Methyl tert-butyl ether (MTBE)	ND	ug/L	0.5	0.15	1			10/17/14 19:12	VMS 3120	

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ANALYTICAL RESULTS

Lab Order: P100674
Project ID: STOCKTON MONTHLY NPDES FE+ PP

Lab ID **P100674002** Date Collected 10/14/2014 00:00 Matrix Water
Sample ID **TRAVEL BLANK** Date Received 10/15/2014 19:53

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Methylene chloride	ND	ug/L	0.5	0.30	1			10/17/14 19:12	VMS 3120	
Styrene	ND	ug/L	0.5	0.19	1			10/17/14 19:12	VMS 3120	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	0.20	1			10/17/14 19:12	VMS 3120	
Tetrachloroethene (PCE)	ND	ug/L	0.5	0.19	1			10/17/14 19:12	VMS 3120	
Toluene	ND	ug/L	0.5	0.19	1			10/17/14 19:12	VMS 3120	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	0.19	1			10/17/14 19:12	VMS 3120	
1,1,2-Trichloroethane	ND	ug/L	0.5	0.16	1			10/17/14 19:12	VMS 3120	
1,1,1-Trichloroethane (TCA)	ND	ug/L	0.5	0.19	1			10/17/14 19:12	VMS 3120	
Trichloroethene (TCE)	ND	ug/L	0.5	0.20	1			10/17/14 19:12	VMS 3120	
Trichlorofluoromethane (F-11)	ND	ug/L	0.5	0.29	1			10/17/14 19:12	VMS 3120	
Trichlorotrifluorethane (F113)	ND	ug/L	1.0	0.11	1			10/17/14 19:12	VMS 3120	
Vinyl chloride	ND	ug/L	0.5	0.25	1			10/17/14 19:12	VMS 3120	
Xylenes, total	ND	ug/L	0.5	0.26	1			10/17/14 19:12	VMS 3120	
4-Bromofluorobenzene (SS)	95	%	85-115		1			10/17/14 19:12	VMS 3120	
Dibromofluoromethane (SS)	102	%	85-115		1			10/17/14 19:12	VMS 3120	
1,2-Dichloroethane-d4 (SS)	102	%	75-125		1			10/17/14 19:12	VMS 3120	
Toluene-d8 (SS)	100	%	90-121		1			10/17/14 19:12	VMS 3120	

Lab ID **P100674003** Date Collected 10/14/2014 09:15 Matrix Water
Sample ID **EFF-001 (FE)** Date Received 10/15/2014 19:53

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Mercury Analysis, Trace Level	**Prep Method:**		EPA 1631E			**Prep by:**	UK			
	Analytical Method:		EPA 1631E					**Analyzed by:**	LM	
Mercury	0.0005	ug/L	0.0005	0.00020	1	10/20/14 00:00	MPR 13156	10/21/14 09:00	MHG 4789	
Methyl Mercury Analysis	**Prep Method:**		Draft EPA 1630			**Prep by:**	JZH			
	Analytical Method:		Draft EPA 1630					**Analyzed by:**	JZH	
Methyl Mercury	J0.04	ng/L	0.05	0.020	1	11/24/14 09:00	MPR 13177	11/25/14 10:00	MHG 4816	

Lab ID **P100674004** Date Collected 10/14/2014 09:15 Matrix Water
Sample ID **FE-FD (FIELD DUPLICATE)** Date Received 10/15/2014 19:53

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Mercury Analysis, Trace Level	**Prep Method:**		EPA 1631E			**Prep by:**	UK			
	Analytical Method:		EPA 1631E					**Analyzed by:**	LM	
Mercury	0.0006	ug/L	0.0005	0.00020	1	10/20/14 00:00	MPR 13156	10/21/14 09:00	MHG 4789	
Methyl Mercury Analysis	**Prep Method:**		Draft EPA 1630			**Prep by:**	JZH			
	Analytical Method:		Draft EPA 1630					**Analyzed by:**	JZH	
Methyl Mercury	J0.04	ng/L	0.05	0.020	1	11/24/14 09:00	MPR 13177	11/25/14 10:00	MHG 4816	

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ANALYTICAL RESULTS

Lab Order: P100674
Project ID: STOCKTON MONTHLY NPDES FE+ PP

Lab ID **P100674005** Date Collected 10/14/2014 09:26 Matrix Water
Sample ID **FE POUR BLANK** Date Received 10/15/2014 19:53

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Mercury Analysis, Trace Level		**Prep Method:**	EPA 1631E			**Prep by:**	UK			
		Analytical Method:	EPA 1631E					**Analyzed by:**	LM	
Mercury	ND	ug/L	0.0005	0.00020	1	10/20/14 00:00	MPR 13156	10/21/14 09:00	MHG 4789	1
Methyl Mercury Analysis		**Prep Method:**	Draft EPA 1630			**Prep by:**	JZH			
		Analytical Method:	Draft EPA 1630					**Analyzed by:**	JZH	
Methyl Mercury	ND	ng/L	0.05	0.020	1	11/24/14 09:00	MPR 13177	11/25/14 10:00	MHG 4816	1

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QUALITY CONTROL DATA

Lab Order: P100674
Project ID: STOCKTON MONTHLY NPDES FE+ PP

Analysis Description:	Mercury Analysis, Trace Level	**QC Batch:**	MPR/13156
Analysis Method:	EPA 1631E	**QC Batch Method:**	EPA 1631E

METHOD BLANK: 608743

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Mercury	ND	0.0005	0.0002	ug/L	

LABORATORY CONTROL SAMPLE: 608744

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% REC Limits	Qualifier
Mercury	ug/L	0.02	0.02	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 608746 608747

Parameter	Units	P100674003 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Mercury	ug/L	0.0005	0.02	0.021	0.022	103	110	80-120	5.9	24	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 608748 608749

Parameter	Units	P100708001 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Mercury	ug/L	0.0012	0.02	0.023	0.022	108	105	80-120	2.3	24	

Analysis Description:	Methyl Mercury Analysis	**QC Batch:**	MPR/13177
Analysis Method:	Draft EPA 1630	**QC Batch Method:**	Draft EPA 1630

METHOD BLANK: 610639

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Methyl Mercury	ND	0.05	0.02	ng/L	

LABORATORY CONTROL SAMPLE: 610640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% REC Limits	Qualifier
Methyl Mercury	ng/L	1.1	0.86	77	67-133	

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QUALITY CONTROL DATA

Lab Order: P100674
Project ID: STOCKTON MONTHLY NPDES FE+ PP

Analysis Description:	Methyl Mercury Analysis	**QC Batch:**	MPR/13177
Analysis Method:	Draft EPA 1630	**QC Batch Method:**	Draft EPA 1630

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 610642 610643

Parameter	Units	P110310002 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Methyl Mercury	ng/L	0.03	1.1	1	0.94	89	82	65-135	8.5	35	

Analysis Description:	Volatile Organic Analysis	**QC Batch:**	VMS/3120
Analysis Method:	EPA 624	**QC Batch Method:**	EPA 624

METHOD BLANK: 608109

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Acrolein	ND	4.0	1.7	ug/L	
Acrylonitrile	ND	2.0	1.0	ug/L	
Benzene	ND	0.5	0.2	ug/L	
Bromodichloromethane	ND	0.5	0.2	ug/L	
Bromoform	ND	0.5	0.2	ug/L	
Bromomethane (Methyl Bromide)	ND	0.5	0.2	ug/L	
Carbon tetrachloride	ND	0.5	0.2	ug/L	
Chlorobenzene	ND	0.5	0.2	ug/L	
Chloroethane (Ethyl Chloride)	ND	0.5	0.4	ug/L	
2-Chloroethyl vinyl ether	ND	1.0	0.3	ug/L	
Chloroform	ND	0.5	0.2	ug/L	
Chloromethane(Methyl Chloride)	ND	0.5	0.2	ug/L	
Dibromochloromethane	ND	0.5	0.2	ug/L	
1,2-Dichlorobenzene	ND	0.5	0.3	ug/L	
1,3-Dichlorobenzene	ND	0.5	0.2	ug/L	
1,4-Dichlorobenzene	ND	0.5	0.2	ug/L	
Dichlorodifluoromethane (F-12)	ND	0.5	0.3	ug/L	
1,1-Dichloroethane	ND	0.5	0.2	ug/L	
1,2-Dichloroethane (EDC)	ND	0.5	0.2	ug/L	
1,1-Dichloroethene	ND	0.5	0.2	ug/L	
cis-1,2-Dichloroethene	ND	0.5	0.2	ug/L	
trans-1,2-Dichloroethene	ND	0.5	0.2	ug/L	
1,2-Dichloropropane	ND	0.5	0.2	ug/L	
cis-1,3-Dichloropropene	ND	0.5	0.2	ug/L	
trans-1,3-Dichloropropene	ND	0.5	0.2	ug/L	
Dichlorotrifluoroethane (F123)	ND	0.5	0.1	ug/L	
Ethylbenzene	ND	0.5	0.3	ug/L	
Methyl tert-butyl ether (MTBE)	ND	0.5	0.2	ug/L	
Methylene chloride	ND	0.5	0.3	ug/L	
Styrene	ND	0.5	0.2	ug/L	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	ug/L	
Tetrachloroethene (PCE)	ND	0.5	0.2	ug/L	
Toluene	ND	0.5	0.2	ug/L	
1,2,4-Trichlorobenzene	ND	0.5	0.2	ug/L	
1,1,2-Trichloroethane	ND	0.5	0.2	ug/L	

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QUALITY CONTROL DATA

Lab Order: P100674
Project ID: STOCKTON MONTHLY NPDES FE+ PP

Analysis Description:	Volatile Organic Analysis	**QC Batch:**	VMS/3120
Analysis Method:	EPA 624	**QC Batch Method:**	EPA 624

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
1,1,1-Trichloroethane (TCA)	ND	0.5	0.2	ug/L	
Trichloroethene (TCE)	ND	0.5	0.2	ug/L	
Trichlorofluoromethane (F-11)	ND	0.5	0.3	ug/L	
Trichlorotrifluorethane (F113)	ND	0.5	0.1	ug/L	
Vinyl chloride	ND	0.5	0.2	ug/L	
Xylenes, total	ND	0.5	0.3	ug/L	
4-Bromofluorobenzene (SS)	94	85-115		%	
Dibromofluoromethane (SS)	100	85-115		%	
1,2-Dichlorobenzene-d4 (SS)	86	80-120		%	
1,2-Dichloroethane-d4 (SS)	102	75-125		%	
Toluene-d8 (SS)	97	90-121		%	

LABORATORY CONTROL SAMPLE & LCSD: 608110 608111

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% REC Limits	RPD	Max RPD	Qualifier
Acrolein	ug/L	80	76	85	95	106	1-199	11	30	
Acrylonitrile	ug/L	80	79	83	99	104	76-112	5.5	30	
Benzene	ug/L	20	21	21	104	106	37-151	1.3	30	
Bromodichloromethane	ug/L	20	21	22	107	112	35-155	4	30	
Bromoform	ug/L	20	23	23	116	114	45-169	1.7	30	
Bromomethane (Methyl Bromide)	ug/L	20	21	20	105	98	10-242	6.8	30	
Carbon tetrachloride	ug/L	20	20	20	101	98	70-140	3	30	
Chlorobenzene	ug/L	20	20	19	101	97	37-160	3.5	30	
Chloroethane (Ethyl Chloride)	ug/L	20	21	20	105	98	14-230	7.1	30	
2-Chloroethyl vinyl ether	ug/L	40	41	44	103	111	1-305	7.1	30	
Chloroform	ug/L	20	21	21	105	106	51-138	0.4	30	
Chloromethane(Methyl Chloride)	ug/L	20	21	19	104	97	10-273	6.7	30	
Dibromochloromethane	ug/L	20	22	21	112	107	53-149	4.6	30	
1,2-Dichlorobenzene	ug/L	20	20	20	98	99	18-190	1.1	30	
1,3-Dichlorobenzene	ug/L	20	20	19	101	95	59-156	6	30	
1,4-Dichlorobenzene	ug/L	20	21	20	105	98	18-190	6.2	30	
1,1-Dichloroethane	ug/L	20	21	21	105	105	59-155	0.1	30	
1,1-Dichloroethene	ug/L	20	22	21	108	106	10-234	1.7	30	
trans-1,2-Dichloroethene	ug/L	20	22	21	108	106	54-156	1.3	30	
1,2-Dichloropropane	ug/L	20	22	21	108	106	10-210	1.4	30	
cis-1,3-Dichloropropene	ug/L	20	22	22	109	109	10-227	0.8	30	
trans-1,3-Dichloropropene	ug/L	20	22	21	108	104	17-183	3.7	30	
Ethylbenzene	ug/L	20	21	19	106	97	37-162	8.8	30	
Methyl tert-butyl ether (MTBE)	ug/L	20	21	22	104	108	73-123	4	30	
Methylene chloride	ug/L	20	19	19	95	97	10-221	2.5	30	
1,1,2,2-Tetrachloroethane	ug/L	20	20	20	101	102	46-157	0.3	30	
Tetrachloroethene (PCE)	ug/L	20	22	21	110	103	64-148	6.6	30	
Toluene	ug/L	20	21	20	105	101	47-150	3.9	30	
1,1,2-Trichloroethane	ug/L	20	21	21	106	103	52-150	2.7	30	

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QUALITY CONTROL DATA

Lab Order: P100674
Project ID: STOCKTON MONTHLY NPDES FE+ PP

Analysis Description:	Volatile Organic Analysis	**QC Batch:**	VMS/3120
Analysis Method:	EPA 624	**QC Batch Method:**	EPA 624

LABORATORY CONTROL SAMPLE & LCSD: 608110 608111

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% REC Limits	RPD	Max RPD	Qualifier
1,1,1-Trichloroethane (TCA)	ug/L	20	22	22	110	112	52-162	1.8	30	
Trichloroethene (TCE)	ug/L	20	22	21	109	107	71-157	1.6	30	
Trichlorofluoromethane (F-11)	ug/L	20	18	18	90	92	17-181	2.3	30	
Vinyl chloride	ug/L	20	21	20	104	101	10-251	2.9	30	
4-Bromofluorobenzene (SS)	%				100	99	85-115	0.9		
Dibromofluoromethane (SS)	%				98	101	85-115	3.1		
1,2-Dichlorobenzene-d4 (SS)	%				102	102	80-120	0.7		
1,2-Dichloroethane-d4 (SS)	%				97	102	75-125	5		
Toluene-d8 (SS)	%				100	103	90-121	3		

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QUALITY CONTROL DATA QUALIFIERS

Lab Order: P100674
Project ID: STOCKTON MONTHLY NPDES FE+ PP

QUALITY CONTROL PARAMETER QUALIFIERS

Results Qualifiers: Report fields may contain codes and non-numeric data correlating to one or more of the following definitions:

NS - means not spiked and will not have recoveries reported for Analyte Spike Amounts

QC Codes Keys: These descriptors are used to help identify the specific QC samples and clarify the report.

MB - Method Blank

Method Blanks are reported to the same Method Detection Limits (MDLs) or Reporting Limits (RLs) as the analytical samples in the corresponding QC batch.

LCS/LCSD - Laboratory Control Spike / Laboratory Control Spike Duplicate

DUP - Duplicate of Original Sample Matrix

MS/MSD - Matrix Spike / Matrix Spike Duplicate

RPD - Relative Percent Difference

%Recovery - Spike Recovery stated as a percentage

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab Order: P100674
Project ID: STOCKTON MONTHLY NPDES FE+ PP

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
P100674003	**EFF-001 (FE)**	EPA 1631E	MPR/13156	EPA 1631E	MHG/4789
P100674004	**FE-FD (FIELD DUPLICATE)**	EPA 1631E	MPR/13156	EPA 1631E	MHG/4789
P100674005	**FE POUR BLANK**	EPA 1631E	MPR/13156	EPA 1631E	MHG/4789
P100674003	**EFF-001 (FE)**	Draft EPA 1630	MPR/13177	Draft EPA 1630	MHG/4816
P100674004	**FE-FD (FIELD DUPLICATE)**	Draft EPA 1630	MPR/13177	Draft EPA 1630	MHG/4816
P100674005	**FE POUR BLANK**	Draft EPA 1630	MPR/13177	Draft EPA 1630	MHG/4816
P100674001	**EFF-001 (FE)**	EPA 624	VMS/3120		
P100674002	**TRAVEL BLANK**	EPA 624	VMS/3120		

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ANALYTICAL LABORATORY

1885 N. KELLY ROAD NAPA, CA 94558 (707) 258-4000 FAX (707) 226-1001 www.caltestlab.com

SAMPLE CHAIN OF CUSTODY

PROJECT NAME / PROJECT NUMBER: Stockton Monthly NPDES FE+PP

P.O. NUMBER: 181796

LAB ORDER #: P1001674

CLIENT: City of Stockton

REPORT TO: David Callas

MAILING ADDRESS: 2500 Navy Dr., Stockton

STATE: CA

ZIP: 95206

BILLING ADDRESS: Same

ATTN: Same

PHONE NUMBER: (209) 937-8786

FAX PHONE NUMBER: (209) 937-8708

SAMPLER (PRINT & SIGN NAME): TERRIE HINKLE Terrie L Hinkle

TURN-AROUND TIME: [X] STANDARD [ ] RUSH

DUE DATE:

ANALYSES REQUESTED

CALTEST LAB #	DATE SAMPLED	TIME SAMPLED	SAMPLE MATRIX*	CONTAINER TYPE/ AMOUNT**	PRESERVATIVE	SAMPLE IDENTIFICATION / SITE	CLIENT LAB #	COMP. or GRAB	Hg.1631.ML		Monomethyl Mercury EPA 1630		624.R5.ML							REMARKS
	10-14-14	0915	ML	VOA/6	HCl / None / Field	EFF-001 [FE]	NA	Grab					X							Include AA
	"	NA	ML	VOA/3	HCL	TRAVEL BLANK	NA	NA					X							
	10-14-14	0915	ML	500ML CLEAR/1	HCL	EFF-001 [FE]	NA	Grab	X											
	"	"	"	500ML AMB/1	HCL	"	NA	"			X									
	"	0915	"	500ML CLEAR/1	HCL	FE-FD (Field Duplicate)	NA	"	X											
	"	"	"	500ML AMB/1	HCL	"	NA	"			X									
	"	0926	"	500ML CLEAR/1	HCL	FE Pour Blank	NA	"	X											
	"	"	"	500ML AMB/1	HCL	"	NA	"			X									

For all parameters: REPORT MDL AND J-FLAG

RELINQUISHED BY	DATE/TIME	RECEIVED BY	RELINQUISHED BY	DATE/TIME	RECEIVED BY
Daniel Callas	10/15/14 1513	[illegible]	[illegible]	10/15/14 1953	[illegible]

FOR LAB USE ONLY

Samples: WC ___ MICRO ___ BIO ___ AA ___ SV ___ VOA ___ pH? Y/N TEMP: 0.9 SEALED: Y/N INTACT: Y/N

BD: BIO ___ WC ___ AA ___

CC: AA ___ SV ___ VOA ___

SIL: HP ___ PT ___ QT ___ VOA ___

W/HNO$_3$ ___ H$_2$SO$_4$ ___ NaOH ___

PIL: HNO$_3$ ___ H$_2$SO$_4$ ___ NaOH ___ HCL ___

COMMENTS:

*MATRIX: AQ = Aqueous Nondrinking Water, Digested Metals; FE = Low R.L.s, Aqueous Nondrinking Water, Digested Metals; DW = Drinking Water; SL = Soil Sludge, Solid ; FP = Free Product

**CONTAINER TYPES: AL = Amber Liter; AHL = 500 ml Amber; PT = Pint (Plastic); QT = Quart (Plastic); HG = Half Gallon (Plastic); SJ = Soil Jar; B4 = 4oz. BACT; BT = Brass Tube; VOA = 40mL VOA; OTC - Other Type Container

R ___ PR ___ M ___ F ___

WHITE - LABORATORY YELLOW - CLIENT COPY TO ACCOUNTANT/FINAL REPORT PINK - CLIENT COPY AS RECEIPT

Priority Pollutant Analysis

RWCF Biosolids

October 13, 2014

BSK Associates
Engineers & Laboratories

Amended

A4J1561
12/17/2014

Invoice
A423801

Terrie Hinkle
City of Stockton
2500 Navy Drive
Stockton, CA 95206

Dear Terrie Hinkle,

Thank you for selecting BSK Associates for your analytical testing needs. We have prepared this report in response to your request for analytical services. Enclosed are the results of analyses for samples received by the laboratory on 10/15/2014 09:45.

If additional clarification of any information is required, please contact your Client Services Representative, John Montierth at (800) 877-8310 or (559) 497-2888 x201.

BSK ASSOCIATES

Kasanna Coulter For John Montierth
Project Manager

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Environmental Engineering | Geotechnical Engineering | Materials Testing

Amended

12/17/2014

Case Narrative

Work Order Information

Client Name:	City of Stockton	**Submitted by:**	Terrie Hinkle
Client Code:	Stock8727	**Shipped by:**	ONTRAC
Work Order:	A4J1561	**COC Number:**	
Project:	Semiannual Priority Pollutants	**TAT:**	10
		PO #:	182045

Report Amendments

Date: 11/14/2014

Initials:DAB

This amended report supersedes any previous reports issued by the laboratory. Amendments to this report are as follows: The following analytes: 2-hexanone, chloromethane, n-butylbenzene, benzo(a)anthracene, fluoranthene, phenanthrene, & pyrene were originally reported with detects for the dry result. This was caused by a software error, in which, false trace hits were multiplied above the reporting limit. These analytes are non detect.

Sample Receipt Conditions

Cooler: **Default Cooler** **Temp. °C:** 0.0

Containers Intact
COC/Labels Agree
Received On Wet Ice
Packing Material - Other
Sample(s) were received in temperature range.
Initial receipt at BSK-SAC

Report Distribution

Recipient(s)	Report Format	CC:
Terrie Hinkle	MULTIORDER.RPT	
David Callas	MULTIORDER.RPT	

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BSK Associates Engineers & Laboratories

Certificate of Analysis

Terrie Hinkle
City of Stockton
2500 Navy Drive
Stockton, CA 95206

Report Issue Date: 12/17/2014 8:43
Received Date: 10/15/2014
Received Time: 09:45

Lab Sample ID: A4J1561-10
Sample Date: 10/13/2014 18:00
Sample Type: Composite

Sampled by: R. Bach
Matrix: Solid

Sample Description: BIO-001/C: 10-13-14

BSK Associates Fresno

General Chemistry

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Cyanide (total)	EPA 9012A	**0.61**	0.23	mg/kg dry	1	A413532	10/22/14	10/22/14	MS1, 2
Cyanide (total) - Wet	*EPA 9012A*	***0.13***	*0.050*	*mg/kg wet*					
***Percent Solids**	SM 2540G / ASTM E 871-82	**22**	0.10	% by Weight	1	A413367	10/17/14	10/20/14	

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Antimony	EPA 6020	ND	45	mg/kg dry	1	A413399	10/17/14	10/21/14	
Antimony - Wet	*EPA 6020*	ND	*10*	*mg/kg wet*					
Arsenic	EPA 6020	**20**	11	mg/kg dry	1	A413399	10/17/14	10/21/14	
Arsenic - Wet	*EPA 6020*	***4.5***	*2.5*	*mg/kg wet*					
Barium	EPA 6020	**570**	26	mg/kg dry	1	A413399	10/17/14	10/21/14	
Barium - Wet	*EPA 6020*	***130***	*6.2*	*mg/kg wet*					
Beryllium	EPA 6020	ND	5.7	mg/kg dry	1	A413399	10/17/14	10/21/14	
Beryllium - Wet	*EPA 6020*	ND	*1.2*	*mg/kg wet*					
Cadmium	EPA 6020	ND	5.7	mg/kg dry	1	A413399	10/17/14	10/21/14	
Cadmium - Wet	*EPA 6020*	ND	*1.2*	*mg/kg wet*					
Chromium	EPA 6020	**62**	57	mg/kg dry	1	A413399	10/17/14	10/21/14	
Chromium - Wet	*EPA 6020*	***14***	*12*	*mg/kg wet*					
Cobalt	EPA 6020	ND	57	mg/kg dry	1	A413399	10/17/14	10/21/14	
Cobalt - Wet	*EPA 6020*	ND	*12*	*mg/kg wet*					
Copper	EPA 6020	**260**	23	mg/kg dry	1	A413399	10/17/14	10/21/14	
Copper - Wet	*EPA 6020*	***58***	*5.0*	*mg/kg wet*					
Lead	EPA 6020	**38**	26	mg/kg dry	1	A413399	10/17/14	10/21/14	
Lead - Wet	*EPA 6020*	***8.5***	*6.2*	*mg/kg wet*					
Mercury	EPA 6020A	ND	2.3	mg/kg dry	1	A413399	10/17/14	10/21/14	
Mercury - Wet	*EPA 6020A*	ND	*0.50*	*mg/kg wet*					
Molybdenum	EPA 6020	ND	57	mg/kg dry	1	A413399	10/17/14	10/21/14	
Molybdenum - Wet	*EPA 6020*	ND	*12*	*mg/kg wet*					
Nickel	EPA 6020	ND	57	mg/kg dry	1	A413399	10/17/14	10/21/14	
Nickel - Wet	*EPA 6020*	ND	*12*	*mg/kg wet*					

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Certificate of Analysis

Terrie Hinkle
City of Stockton
2500 Navy Drive
Stockton, CA 95206

Report Issue Date: 12/17/2014 8:43
Received Date: 10/15/2014
Received Time: 09:45

Lab Sample ID: A4J1561-10
Sample Date: 10/13/2014 18:00
Sample Type: Composite
Sampled by: R. Bach
Matrix: Solid

Sample Description: BIO-001/C: 10-13-14

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Selenium	EPA 6020	ND	11	mg/kg dry	1	A413399	10/17/14	10/21/14	
Selenium - Wet	*EPA 6020*	ND	*2.5*	*mg/kg wet*					
Silver	EPA 6020	ND	57	mg/kg dry	1	A413399	10/17/14	10/21/14	
Silver - Wet	*EPA 6020*	ND	*12*	*mg/kg wet*					
Thallium	EPA 6020	ND	9.0	mg/kg dry	1	A413399	10/17/14	10/21/14	
Thallium - Wet	*EPA 6020*	ND	*2.0*	*mg/kg wet*					
Vanadium	EPA 6020	**77**	57	mg/kg dry	1	A413399	10/17/14	10/21/14	
Vanadium - Wet	*EPA 6020*	***17***	*12*	*mg/kg wet*					
Zinc	EPA 6020	**1200**	280	mg/kg dry	1	A413399	10/17/14	10/21/14	
Zinc - Wet	*EPA 6020*	***270***	*62*	*mg/kg wet*					

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Organochlorine Pesticides by GC-ECD									
4,4'-DDD	EPA 8081A	ND	23	ug/kg dry	50	A413390	10/17/14	10/20/14	
4,4'-DDD - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
4,4'-DDE	EPA 8081A	ND	23	ug/kg dry	50	A413390	10/17/14	10/20/14	
4,4'-DDE - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
4,4'-DDT	EPA 8081A	ND	23	ug/kg dry	50	A413390	10/17/14	10/20/14	
4,4'-DDT - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Aldrin	EPA 8081A	ND	23	ug/kg dry	50	A413390	10/17/14	10/20/14	
Aldrin - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
alpha-BHC	EPA 8081A	ND	23	ug/kg dry	50	A413390	10/17/14	10/20/14	
alpha-BHC - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
beta-BHC	EPA 8081A	ND	23	ug/kg dry	50	A413390	10/17/14	10/20/14	
beta-BHC - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Chlordane	EPA 8081A	ND	230	ug/kg dry	50	A413390	10/17/14	10/20/14	
Chlordane - Wet	*EPA 8081A*	ND	*50*	*ug/kg wet*					
delta-BHC	EPA 8081A	ND	23	ug/kg dry	50	A413390	10/17/14	10/20/14	
delta-BHC - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Dieldrin	EPA 8081A	ND	23	ug/kg dry	50	A413390	10/17/14	10/20/14	
Dieldrin - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Endosulfan I	EPA 8081A	ND	23	ug/kg dry	50	A413390	10/17/14	10/20/14	
Endosulfan I - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					

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Certificate of Analysis

Terrie Hinkle
City of Stockton
2500 Navy Drive
Stockton, CA 95206

Report Issue Date: 12/17/2014 8:43
Received Date: 10/15/2014
Received Time: 09:45

Lab Sample ID: A4J1561-10
Sample Date: 10/13/2014 18:00
Sample Type: Composite

Sampled by: R. Bach
Matrix: Solid

Sample Description: BIO-001/C: 10-13-14

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Organochlorine Pesticides by GC-ECD									
Endosulfan II	EPA 8081A	ND	23	ug/kg dry	50	A413390	10/17/14	10/20/14	
Endosulfan II - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Endosulfan Sulfate	EPA 8081A	ND	23	ug/kg dry	50	A413390	10/17/14	10/20/14	
Endosulfan Sulfate - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Endrin	EPA 8081A	ND	23	ug/kg dry	50	A413390	10/17/14	10/20/14	
Endrin - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Endrin Aldehyde	EPA 8081A	ND	23	ug/kg dry	50	A413390	10/17/14	10/20/14	
Endrin Aldehyde - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Heptachlor	EPA 8081A	ND	23	ug/kg dry	50	A413390	10/17/14	10/20/14	
Heptachlor - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Heptachlor Epoxide	EPA 8081A	ND	23	ug/kg dry	50	A413390	10/17/14	10/20/14	
Heptachlor Epoxide - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Lindane	EPA 8081A	ND	23	ug/kg dry	50	A413390	10/17/14	10/20/14	
Lindane - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Methoxychlor	EPA 8081A	ND	23	ug/kg dry	50	A413390	10/17/14	10/20/14	
Methoxychlor - Wet	*EPA 8081A*	ND	*5.0*	*ug/kg wet*					
Toxaphene	EPA 8081A	ND	230	ug/kg dry	50	A413390	10/17/14	10/20/14	
Toxaphene - Wet	*EPA 8081A*	ND	*50*	*ug/kg wet*					
TCMX - Wet	*EPA 8081A*	***300***		*ug/kg wet*					
Surrogate: TCMX	EPA 8081A	80 %		*Acceptable range: 10-138 %*					
Polychlorinated Biphenyls (PCBs) by GC-ECD									
Aroclor-1016	EPA 8082	ND	1.1	mg/kg dry	50	A413390	10/17/14	10/20/14	
Aroclor-1016 - Wet	*EPA 8082*	ND	*0.25*	*mg/kg wet*					
Aroclor-1221	EPA 8082	ND	1.1	mg/kg dry	50	A413390	10/17/14	10/20/14	
Aroclor-1221 - Wet	*EPA 8082*	ND	*0.25*	*mg/kg wet*					
Aroclor-1232	EPA 8082	ND	1.1	mg/kg dry	50	A413390	10/17/14	10/20/14	
Aroclor-1232 - Wet	*EPA 8082*	ND	*0.25*	*mg/kg wet*					
Aroclor-1242	EPA 8082	ND	1.1	mg/kg dry	50	A413390	10/17/14	10/20/14	
Aroclor-1242 - Wet	*EPA 8082*	ND	*0.25*	*mg/kg wet*					
Aroclor-1248	EPA 8082	ND	1.1	mg/kg dry	50	A413390	10/17/14	10/20/14	
Aroclor-1248 - Wet	*EPA 8082*	ND	*0.25*	*mg/kg wet*					
Aroclor-1254	EPA 8082	ND	1.1	mg/kg dry	50	A413390	10/17/14	10/20/14	
Aroclor-1254 - Wet	*EPA 8082*	ND	*0.25*	*mg/kg wet*					

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Amended

BSK Associates Engineers & Laboratories

Certificate of Analysis

Terrie Hinkle
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Stockton, CA 95206

Report Issue Date: 12/17/2014 8:43
Received Date: 10/15/2014
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Lab Sample ID: A4J1561-10
Sample Date: 10/13/2014 18:00
Sample Type: Composite
Sampled by: R. Bach
Matrix: Solid

Sample Description: BIO-001/C: 10-13-14

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Polychlorinated Biphenyls (PCBs) by GC-ECD									
Aroclor-1260	EPA 8082	ND	1.1	mg/kg dry	50	A413390	10/17/14	10/20/14	
Aroclor-1260 - Wet	*EPA 8082*	ND	*0.25*	*mg/kg wet*					
Decachlorobiphenyl - Wet	*EPA 8082*	***0.16***		*mg/kg wet*					
Surrogate: Decachlorobiphenyl	EPA 8082	86 %		*Acceptable range: 50-150 %*					
Volatile Organics (Standard List) by GC-MS									
1,1,1,2-Tetrachloroethane	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
1,1,1,2-Tetrachloroethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,1,1-Trichloroethane	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
1,1,1-Trichloroethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,1,2,2-Tetrachloroethane	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
1,1,2,2-Tetrachloroethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,1,2-Trichloroethane	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
1,1,2-Trichloroethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,1-Dichloroethane	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
1,1-Dichloroethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,1-Dichloroethene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
1,1-Dichloroethene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,1-Dichloropropene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
1,1-Dichloropropene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,2,3-Trichlorobenzene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
1,2,3-Trichlorobenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,2,3-Trichloropropane	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
1,2,3-Trichloropropane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,2,4-Trichlorobenzene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
1,2,4-Trichlorobenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,2,4-Trimethylbenzene	EPA 8260B	**73**	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
1,2,4-Trimethylbenzene - Wet	*EPA 8260B*	***16***	*5.0*	*ug/kg wet*					
1,2-Dibromoethane (EDB)	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
1,2-Dibromoethane (EDB) - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,2-Dichlorobenzene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
1,2-Dichlorobenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,2-Dichloroethane	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
1,2-Dichloroethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					

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Report Issue Date: 12/17/2014 8:43
Received Date: 10/15/2014
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Lab Sample ID: A4J1561-10
Sample Date: 10/13/2014 18:00
Sample Type: Composite

Sampled by: R. Bach
Matrix: Solid

Sample Description: BIO-001/C: 10-13-14

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (Standard List) by GC-MS									
1,2-Dichloropropane	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
1,2-Dichloropropane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,3,5-Trimethylbenzene	EPA 8260B	**33**	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
1,3,5-Trimethylbenzene - Wet	*EPA 8260B*	***7.4***	*5.0*	*ug/kg wet*					
1,3-Dichlorobenzene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
1,3-Dichlorobenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,3-Dichloropropane	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	BS2.1
1,3-Dichloropropane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,4-Dichlorobenzene	EPA 8260B	**67**	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
1,4-Dichlorobenzene - Wet	*EPA 8260B*	***15***	*5.0*	*ug/kg wet*					
2,2-Dichloropropane	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
2,2-Dichloropropane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
2-Chloroethyl vinyl ether	EPA 8260B	ND	23	ug/kg dry	1	A413394	10/17/14	10/20/14	
2-Chloroethyl vinyl ether - Wet	*EPA 8260B*	ND	*20*	*ug/kg wet*					
2-Chlorotoluene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
2-Chlorotoluene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
2-Hexanone	EPA 8260B	ND	23	ug/kg dry	1	A413394	10/17/14	10/17/14	RE1.1
2-Hexanone - Wet	*EPA 8260B*	ND	*20*	*ug/kg wet*					
4-Chlorotoluene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
4-Chlorotoluene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
4-Methyl-2-pentanone	EPA 8260B	ND	23	ug/kg dry	1	A413394	10/17/14	10/17/14	
4-Methyl-2-pentanone - Wet	*EPA 8260B*	ND	*20*	*ug/kg wet*					
Acrolein	EPA 8260B	ND	23	ug/kg dry	1	A413394	10/17/14	10/20/14	
Acrolein - Wet	*EPA 8260B*	ND	*20*	*ug/kg wet*					
Acrylonitrile	EPA 8260B	ND	23	ug/kg dry	1	A413394	10/17/14	10/20/14	
Acrylonitrile - Wet	*EPA 8260B*	ND	*20*	*ug/kg wet*					
Benzene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Benzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Bromobenzene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Bromobenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Bromochloromethane	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Bromochloromethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					

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Sample Date: 10/13/2014 18:00
Sample Type: Composite
Sampled by: R. Bach
Matrix: Solid

Sample Description: BIO-001/C: 10-13-14

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (Standard List) by GC-MS									
Bromodichloromethane	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Bromodichloromethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Bromoform	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Bromoform - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Bromomethane	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Bromomethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Carbon disulfide	EPA 8260B	**75**	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Carbon disulfide - Wet	*EPA 8260B*	***17***	*5.0*	*ug/kg wet*					
Carbon Tetrachloride	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Carbon Tetrachloride - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Chlorobenzene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Chlorobenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Chloroethane	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Chloroethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Chloroform	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Chloroform - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Chloromethane	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	RE1.1
Chloromethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
cis-1,2-Dichloroethene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
cis-1,2-Dichloroethene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
cis-1,3-Dichloropropene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
cis-1,3-Dichloropropene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Dibromochloromethane	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Dibromochloromethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Dibromochloropropane (DBCP)	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Dibromochloropropane (DBCP) - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Dibromomethane	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Dibromomethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Dichlorodifluoromethane	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Dichlorodifluoromethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Dichloromethane	EPA 8260B	**190**	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Dichloromethane - Wet	*EPA 8260B*	***43***	*5.0*	*ug/kg wet*					
Hexachlorobutadiene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Hexachlorobutadiene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					

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Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (Standard List) by GC-MS									
Hexachloroethane	EPA 8260B	ND	50	ug/kg dry	1	A413394	10/17/14	10/17/14	
Hexachloroethane - Wet	*EPA 8260B*	ND	*50*	*ug/kg wet*					
Iodomethane	EPA 8260B	ND	50	ug/kg dry	1	A413394	10/17/14	10/17/14	
Iodomethane - Wet	*EPA 8260B*	ND	*50*	*ug/kg wet*					
Isopropylbenzene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Isopropylbenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
m,p-Xylenes	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
m,p-Xylenes - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Methyl-t-butyl ether	EPA 8260B	**28**	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Methyl-t-butyl ether - Wet	*EPA 8260B*	***6.3***	*5.0*	*ug/kg wet*					
Naphthalene	EPA 8260B	**33**	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Naphthalene - Wet	*EPA 8260B*	***7.2***	*5.0*	*ug/kg wet*					
n-Butylbenzene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	RE1.1
n-Butylbenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
n-Propylbenzene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
n-Propylbenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
o-Xylene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
o-Xylene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
sec-Butylbenzene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
sec-Butylbenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
tert-Butylbenzene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
tert-Butylbenzene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Tetrachloroethene (PCE)	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Tetrachloroethene (PCE) - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Toluene	EPA 8260B	**310**	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Toluene - Wet	*EPA 8260B*	***68***	*5.0*	*ug/kg wet*					
trans-1,2-Dichloroethene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
trans-1,2-Dichloroethene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
trans-1,3-Dichloropropene	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
trans-1,3-Dichloropropene - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Trichloroethene (TCE)	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Trichloroethene (TCE) - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
Trichlorofluoromethane	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Trichlorofluoromethane - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					

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Sample Date: 10/13/2014 18:00
Sample Type: Composite
Sampled by: R. Bach
Matrix: Solid

Sample Description: BIO-001/C: 10-13-14

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (Standard List) by GC-MS									
Vinyl Chloride	EPA 8260B	ND	9.0	ug/kg dry	1	A413394	10/17/14	10/17/14	
Vinyl Chloride - Wet	*EPA 8260B*	ND	*5.0*	*ug/kg wet*					
1,2-Dichloroethane-d4 - Wet	*EPA 8260B*	***540***		*ug/kg wet*					
Surrogate: 1,2-Dichloroethane-d4	EPA 8260B	108 %		*Acceptable range:*	*70-130 %*				
Bromofluorobenzene - Wet	*EPA 8260B*	***770***		*ug/kg wet*					
Surrogate: Bromofluorobenzene	EPA 8260B	154 %		*Acceptable range:*	*70-130 %*		*Qualifiers -*	*SR1.1*	
Toluene-d8 - Wet	*EPA 8260B*	***610***		*ug/kg wet*					
Surrogate: Toluene-d8	EPA 8260B	123 %		*Acceptable range:*	*70-130 %*				
Toluene-d8 - Wet	*EPA 8260B*	***650***		*ug/kg wet*					
Surrogate: Toluene-d8	EPA 8260B	130 %		*Acceptable range:*	*70-130 %*				
Total Xylenes, EPA 8260B		ND	23						
Total Xylenes, EPA 8260B - Wet	*EPA 8260Ba*	ND	*5.0*	*ug/kg wet*					
Semi-Volatile Organics (Standard List) by GC-MS									
1,2,4-Trichlorobenzene	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
1,2,4-Trichlorobenzene - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
*1,2-Diphenylhydrazine (as Azobenzene)	EPA 8270C	ND	9000	ug/kg dry	20	A413438	10/20/14	10/22/14	
* 1,2-Diphenylhydrazine (as Azobenzene) - Wet	*EPA 8270C*	ND	*2000*	*ug/kg wet*					
2,4,6-Trichlorophenol	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
2,4,6-Trichlorophenol - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
2,4-Dichlorophenol	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
2,4-Dichlorophenol - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
2,4-Dimethylphenol	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
2,4-Dimethylphenol - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
2,4-Dinitrophenol	EPA 8270C	ND	9000	ug/kg dry	20	A413438	10/20/14	10/22/14	CV0.0
2,4-Dinitrophenol - Wet	*EPA 8270C*	ND	*2000*	*ug/kg wet*					
2,4-Dinitrotoluene	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
2,4-Dinitrotoluene - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
2,6-Dinitrotoluene	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
2,6-Dinitrotoluene - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
2-Chloronaphthalene	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
2-Chloronaphthalene - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					

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Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Semi-Volatile Organics (Standard List) by GC-MS									
2-Chlorophenol	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
2-Chlorophenol - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
2-Nitrophenol	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
2-Nitrophenol - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
3,3-Dichlorobenzidine	EPA 8270C	ND	45000	ug/kg dry	20	A413438	10/20/14	10/22/14	
3,3-Dichlorobenzidine - Wet	*EPA 8270C*	ND	*10000*	*ug/kg wet*					
4,6-Dinitro-2-methylphenol	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	CV0.0
4,6-Dinitro-2-methylphenol - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
4-Bromophenyl phenyl ether	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
4-Bromophenyl phenyl ether - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
4-Chloro-3-methylphenol	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
4-Chloro-3-methylphenol - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
4-Chlorophenyl phenyl ether	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
4-Chlorophenyl phenyl ether - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
4-Nitrophenol	EPA 8270C	ND	9000	ug/kg dry	20	A413438	10/20/14	10/22/14	BS1.0
4-Nitrophenol - Wet	*EPA 8270C*	ND	*2000*	*ug/kg wet*					
Acenaphthene	EPA 8270C	ND	90	ug/kg dry	20	A413438	10/20/14	10/22/14	
Acenaphthene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Acenaphthylene	EPA 8270C	ND	90	ug/kg dry	20	A413438	10/20/14	10/22/14	
Acenaphthylene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Anthracene	EPA 8270C	ND	90	ug/kg dry	20	A413438	10/20/14	10/22/14	
Anthracene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Benzidine	EPA 8270C	ND	90000	ug/kg dry	20	A413438	10/20/14	10/22/14	
Benzidine - Wet	*EPA 8270C*	ND	*20000*	*ug/kg wet*					
Benzo(a)anthracene	EPA 8270C	ND	90	ug/kg dry	20	A413438	10/20/14	10/22/14	RE1.1
Benzo(a)anthracene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Benzo(a)pyrene	EPA 8270C	ND	90	ug/kg dry	20	A413438	10/20/14	10/22/14	
Benzo(a)pyrene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Benzo(b)fluoranthene	EPA 8270C	ND	90	ug/kg dry	20	A413438	10/20/14	10/22/14	
Benzo(b)fluoranthene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Benzo(g,h,i)perylene	EPA 8270C	ND	90	ug/kg dry	20	A413438	10/20/14	10/22/14	
Benzo(g,h,i)perylene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					

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Terrie Hinkle
City of Stockton
2500 Navy Drive
Stockton, CA 95206

Report Issue Date: 12/17/2014 8:43
Received Date: 10/15/2014
Received Time: 09:45

Lab Sample ID: A4J1561-10
Sample Date: 10/13/2014 18:00
Sample Type: Composite

Sampled by: R. Bach
Matrix: Solid

Sample Description: BIO-001/C: 10-13-14

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Semi-Volatile Organics (Standard List) by GC-MS									
Benzo(k)fluoranthene	EPA 8270C	ND	90	ug/kg dry	20	A413438	10/20/14	10/22/14	
Benzo(k)fluoranthene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Bis(2-chloroethoxy)methane	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	BS1.0
Bis(2-chloroethoxy)methane - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Bis(2-chloroethyl) ether	EPA 8270C	ND	9000	ug/kg dry	20	A413438	10/20/14	10/22/14	
Bis(2-chloroethyl) ether - Wet	*EPA 8270C*	ND	*2000*	*ug/kg wet*					
Bis(2-chloroisopropyl) ether	EPA 8270C	ND	9000	ug/kg dry	20	A413438	10/20/14	10/22/14	
Bis(2-chloroisopropyl) ether - Wet	*EPA 8270C*	ND	*2000*	*ug/kg wet*					
Bis(2-ethylhexyl) phthalate	EPA 8270C	**12000**	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
Bis(2-ethylhexyl) phthalate - Wet	*EPA 8270C*	***2700***	*1000*	*ug/kg wet*					
Butyl benzyl phthalate	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
Butyl benzyl phthalate - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Chrysene	EPA 8270C	ND	90	ug/kg dry	20	A413438	10/20/14	10/22/14	
Chrysene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Dibenzo(a,h)anthracene	EPA 8270C	ND	90	ug/kg dry	20	A413438	10/20/14	10/22/14	
Dibenzo(a,h)anthracene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Diethyl phthalate	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
Diethyl phthalate - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Dimethyl phthalate	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
Dimethyl phthalate - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Di-n-butyl phthalate	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	BS1.0
Di-n-butyl phthalate - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Di-n-octyl phthalate	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
Di-n-octyl phthalate - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Fluoranthene	EPA 8270C	ND	90	ug/kg dry	20	A413438	10/20/14	10/22/14	RE1.1
Fluoranthene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Fluorene	EPA 8270C	ND	90	ug/kg dry	20	A413438	10/20/14	10/22/14	
Fluorene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Hexachlorobenzene	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
Hexachlorobenzene - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					

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City of Stockton
2500 Navy Drive
Stockton, CA 95206

Report Issue Date: 12/17/2014 8:43
Received Date: 10/15/2014
Received Time: 09:45

Lab Sample ID: A4J1561-10
Sample Date: 10/13/2014 18:00
Sample Type: Composite

Sampled by: R. Bach
Matrix: Solid

Sample Description: BIO-001/C: 10-13-14

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Semi-Volatile Organics (Standard List) by GC-MS									
Hexachlorobutadiene	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	BS1.0
Hexachlorobutadiene - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Hexachlorocyclopentadiene	EPA 8270C	ND	90000	ug/kg dry	20	A413438	10/20/14	10/22/14	
Hexachlorocyclopentadiene - Wet	*EPA 8270C*	ND	*20000*	*ug/kg wet*					
Hexachloroethane	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
Hexachloroethane - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Indeno(1,2,3-cd)pyrene	EPA 8270C	ND	90	ug/kg dry	20	A413438	10/20/14	10/22/14	
Indeno(1,2,3-cd)pyrene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Isophorone	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
Isophorone - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Naphthalene	EPA 8270C	ND	100	ug/kg dry	20	A413438	10/20/14	10/22/14	
Naphthalene - Wet	*EPA 8270C*	ND	*100*	*ug/kg wet*					
Nitrobenzene	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
Nitrobenzene - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
N-Nitrosodimethylamine (NDMA)	EPA 8270C	ND	90000	ug/kg dry	20	A413438	10/20/14	10/22/14	
N-Nitrosodimethylamine (NDMA) - Wet	*EPA 8270C*	ND	*20000*	*ug/kg wet*					
N-Nitrosodi-n-propylamine (NDPA)	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
N-Nitrosodi-n-propylamine (NDPA) - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
N-Nitrosodiphenylamine (as DPA)	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
N-Nitrosodiphenylamine (as DPA) - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Pentachlorophenol	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
Pentachlorophenol - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Phenanthrene	EPA 8270C	ND	90	ug/kg dry	20	A413438	10/20/14	10/22/14	RE1.1
Phenanthrene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
Phenol	EPA 8270C	ND	4500	ug/kg dry	20	A413438	10/20/14	10/22/14	
Phenol - Wet	*EPA 8270C*	ND	*1000*	*ug/kg wet*					
Pyrene	EPA 8270C	ND	90	ug/kg dry	20	A413438	10/20/14	10/22/14	RE1.1
Pyrene - Wet	*EPA 8270C*	ND	*50*	*ug/kg wet*					
2,4,6-Tribromophenol - Wet	*EPA 8270C*	***-2.0***		*ug/kg wet*					
Surrogate: 2,4,6-Tribromophenol	EPA 8270C	%		*Acceptable range: 41-200 %*			*Qualifiers -*	*SR4.1*	

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Report Issue Date: 12/17/2014 8:43
Received Date: 10/15/2014
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Lab Sample ID: A4J1561-10
Sample Date: 10/13/2014 18:00
Sample Type: Composite

Sampled by: R. Bach
Matrix: Solid

Sample Description: BIO-001/C: 10-13-14

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
2,4,6-Tribromophenol - Wet	*EPA 8270C*	***-2.0***		*ug/kg wet*					
Surrogate: 2,4,6-Tribromophenol	EPA 8270C	%		*Acceptable range:*	*41-200 %*		*Qualifiers -*	*SR4.1*	
2-Fluorobiphenyl - Wet	*EPA 8270C*	***-2.0***		*ug/kg wet*					
Surrogate: 2-Fluorobiphenyl	EPA 8270C	%		*Acceptable range:*	*46-144 %*		*Qualifiers -*	*SR4.1*	
2-Fluorobiphenyl - Wet	*EPA 8270C*	***-2.0***		*ug/kg wet*					
Surrogate: 2-Fluorobiphenyl	EPA 8270C	%		*Acceptable range:*	*46-144 %*		*Qualifiers -*	*SR4.1*	
2-Fluorophenol - Wet	*EPA 8270C*	***-2.0***		*ug/kg wet*					
Surrogate: 2-Fluorophenol	EPA 8270C	%		*Acceptable range:*	*30-155 %*		*Qualifiers -*	*SR4.1*	
2-Fluorophenol - Wet	*EPA 8270C*	***-2.0***		*ug/kg wet*					
Surrogate: 2-Fluorophenol	EPA 8270C	%		*Acceptable range:*	*30-155 %*		*Qualifiers -*	*SR4.1*	
Nitrobenzene-d5 - Wet	*EPA 8270C*	***230***		*ug/kg wet*					
Surrogate: Nitrobenzene-d5	EPA 8270C	47 %		*Acceptable range:*	*30-149 %*				
Nitrobenzene-d5 - Wet	*EPA 8270C*	***230***		*ug/kg wet*					
Surrogate: Nitrobenzene-d5	EPA 8270C	47 %		*Acceptable range:*	*30-149 %*				
Phenol-d6 - Wet	*EPA 8270C*	***200***		*ug/kg wet*					
Surrogate: Phenol-d6	EPA 8270C	41 %		*Acceptable range:*	*40-162 %*				
Phenol-d6 - Wet	*EPA 8270C*	***200***		*ug/kg wet*					
Surrogate: Phenol-d6	EPA 8270C	41 %		*Acceptable range:*	*40-162 %*				
p-Terphenyl-d14 - Wet	*EPA 8270C*	***-2.0***		*ug/kg wet*					
Surrogate: p-Terphenyl-d14	EPA 8270C	%		*Acceptable range:*	*45-161 %*		*Qualifiers -*	*SR4.1*	
p-Terphenyl-d14 - Wet	*EPA 8270C*	***-2.0***		*ug/kg wet*					
Surrogate: p-Terphenyl-d14	EPA 8270C	%		*Acceptable range:*	*45-161 %*		*Qualifiers -*	*SR4.1*	

Lab Sample ID: A4J1561-10RE1
Sample Date: 10/13/2014 18:00
Sample Type: Composite

Sampled by: R. Bach
Matrix: Solid

Sample Description: BIO-001/C: 10-13-14

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Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual

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Lab Sample ID: A4J1561-10RE1
Sample Date: 10/13/2014 18:00
Sample Type: Composite
Sampled by: R. Bach
Matrix: Solid

Sample Description: BIO-001/C: 10-13-14

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (Standard List) by GC-MS									
2-Butanone	EPA 8260B	**1400**	110	ug/kg dry	5	A413394	10/17/14	10/17/14	
2-Butanone - Wet	*EPA 8260B*	***310***	*25*	*ug/kg wet*					
p-Isopropyltoluene	EPA 8260B	**990**	45	ug/kg dry	5	A413394	10/17/14	10/17/14	
p-Isopropyltoluene - Wet	*EPA 8260B*	***220***	*10*	*ug/kg wet*					
Styrene	EPA 8260B	**380**	45	ug/kg dry	5	A413394	10/17/14	10/17/14	
Styrene - Wet	*EPA 8260B*	***84***	*10*	*ug/kg wet*					
1,2-Dichloroethane-d4 - Wet	*EPA 8260B*	***450***		*ug/kg wet*					
Surrogate: 1,2-Dichloroethane-d4	EPA 8260B	91 %		*Acceptable range: 70-130 %*					
Bromofluorobenzene - Wet	*EPA 8260B*	***660***		*ug/kg wet*					
Surrogate: Bromofluorobenzene	EPA 8260B	132 %		*Acceptable range: 70-130 %*			*Qualifiers -*	*SR1.1*	
Toluene-d8 - Wet	*EPA 8260B*	***520***		*ug/kg wet*					
Surrogate: Toluene-d8	EPA 8260B	104 %		*Acceptable range: 70-130 %*					

Lab Sample ID: A4J1561-10RE2
Sample Date: 10/13/2014 18:00
Sample Type: Composite
Sampled by: R. Bach
Matrix: Solid

Sample Description: BIO-001/C: 10-13-14

BSK Associates Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (Standard List) by GC-MS									
Acetone	EPA 8260B	**1500**	570	ug/kg dry	25	A413459	10/20/14	10/20/14	
Acetone - Wet	*EPA 8260B*	***340***	*120*	*ug/kg wet*					
1,2-Dichloroethane-d4 - Wet	*EPA 8260B*	***420***		*ug/kg wet*					
Surrogate: 1,2-Dichloroethane-d4	EPA 8260B	83 %		*Acceptable range: 70-130 %*					
Bromofluorobenzene - Wet	*EPA 8260B*	***490***		*ug/kg wet*					
Surrogate: Bromofluorobenzene	EPA 8260B	97 %		*Acceptable range: 70-130 %*					
Toluene-d8 - Wet	*EPA 8260B*	***450***		*ug/kg wet*					
Surrogate: Toluene-d8	EPA 8260B	90 %		*Acceptable range: 70-130 %*					

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Lab Sample ID: A4J1561-10RE2
Sample Date: 10/13/2014 18:00
Sample Type: Composite

Sampled by: R. Bach
Matrix: Solid

Sample Description: BIO-001/C: 10-13-14

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General Chemistry Quality Control Report

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413367				Analyst: RLE		Prepared: 10/17/2014					
Duplicate (A413367-DUP1) SM 2540G / ASTM E 871-82 - Quality Control						**Source: A4J1561-10**					
Percent Solids	22	0.10	% by Weig		22			1	20	10/20/14	
Batch: A413532				Analyst: CEG		Prepared: 10/22/2014					
Blank (A413532-BLK1) EPA 9012A - Quality Control											
Cyanide (total)	ND	0.050	mg/kg wet							10/22/14	
Blank Spike (A413532-BS1) EPA 9012A - Quality Control											
Cyanide (total)	2.6	0.050	mg/kg wet	2.5		103	80-120			10/22/14	
Blank Spike Dup (A413532-BSD1) EPA 9012A - Quality Control											
Cyanide (total)	2.5	0.050	mg/kg wet	2.5		99	80-120	3	20	10/22/14	
Matrix Spike (A413532-MS1) EPA 9012A - Quality Control						**Source: A4J1561-10**					
Cyanide (total)	0.72	0.23	mg/kg dry	11	0.61	1	80-120			10/22/14	MS1.0 ***Low***
Matrix Spike Dup (A413532-MSD1) EPA 9012A - Quality Control						**Source: A4J1561-10**					
Cyanide (total)	0.81	0.23	mg/kg dry	11	0.61	2	80-120	12	20	10/22/14	MS1.0 ***Low***

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Metals Quality Control Report

BSK Associates Fresno

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413399				Analyst: MAS		Prepared: 10/17/2014					
Blank (A413399-BLK1) EPA 6020 - Quality Control											
Antimony	ND	10	mg/kg wet							10/21/14	
Arsenic	ND	2.5	mg/kg wet							10/21/14	
Barium	ND	6.2	mg/kg wet							10/21/14	
Beryllium	ND	1.2	mg/kg wet							10/21/14	
Cadmium	ND	1.2	mg/kg wet							10/21/14	
Chromium	ND	12	mg/kg wet							10/21/14	
Cobalt	ND	12	mg/kg wet							10/21/14	
Copper	ND	5.0	mg/kg wet							10/21/14	
Lead	ND	6.2	mg/kg wet							10/21/14	
Molybdenum	ND	12	mg/kg wet							10/21/14	
Nickel	ND	12	mg/kg wet							10/21/14	
Selenium	ND	2.5	mg/kg wet							10/21/14	
Silver	ND	12	mg/kg wet							10/21/14	
Thallium	ND	2.0	mg/kg wet							10/21/14	
Vanadium	ND	12	mg/kg wet							10/21/14	
Zinc	ND	62	mg/kg wet							10/21/14	
Blank Spike (A413399-BS1) EPA 6020 - Quality Control											
Antimony	110	10	mg/kg wet	100		112	75-125			10/21/14	
Arsenic	110	2.5	mg/kg wet	100		106	75-125			10/21/14	
Barium	110	6.2	mg/kg wet	100		106	75-125			10/21/14	
Beryllium	100	1.2	mg/kg wet	100		103	75-125			10/21/14	
Cadmium	100	1.2	mg/kg wet	100		103	75-125			10/21/14	
Chromium	100	12	mg/kg wet	100		100	75-125			10/21/14	
Cobalt	110	12	mg/kg wet	100		107	75-125			10/21/14	
Copper	110	5.0	mg/kg wet	100		105	75-125			10/21/14	
Lead	110	6.2	mg/kg wet	100		105	75-125			10/21/14	
Molybdenum	110	12	mg/kg wet	100		109	75-125			10/21/14	
Nickel	110	12	mg/kg wet	100		107	75-125			10/21/14	
Selenium	110	2.5	mg/kg wet	100		108	75-125			10/21/14	
Silver	51	12	mg/kg wet	50		103	75-125			10/21/14	
Thallium	100	2.0	mg/kg wet	100		101	75-125			10/21/14	
Vanadium	110	12	mg/kg wet	100		107	75-125			10/21/14	
Zinc	110	62	mg/kg wet	100		107	75-125			10/21/14	
Blank Spike Dup (A413399-BSD1) EPA 6020 - Quality Control											
Antimony	110	10	mg/kg wet	100		106	75-125	5	20	10/21/14	
Arsenic	100	2.5	mg/kg wet	100		100	75-125	7	20	10/21/14	
Barium	99	6.2	mg/kg wet	100		99	75-125	8	20	10/21/14	
Beryllium	96	1.2	mg/kg wet	100		96	75-125	7	20	10/21/14	
Cadmium	97	1.2	mg/kg wet	100		97	75-125	6	20	10/21/14	
Chromium	94	12	mg/kg wet	100		94	75-125	6	20	10/21/14	
Cobalt	100	12	mg/kg wet	100		100	75-125	7	20	10/21/14	
Copper	100	5.0	mg/kg wet	100		102	75-125	3	20	10/21/14	
Lead	98	6.2	mg/kg wet	100		98	75-125	7	20	10/21/14	
Molybdenum	100	12	mg/kg wet	100		101	75-125	8	20	10/21/14	
Nickel	100	12	mg/kg wet	100		101	75-125	6	20	10/21/14	

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Metals Quality Control Report

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413399				Analyst: MAS		Prepared: 10/17/2014					
Blank Spike Dup (A413399-BSD1)	**EPA 6020 - Quality Control**										
Selenium	97	2.5	mg/kg wet	100		97	75-125	11	20	10/21/14	
Silver	49	12	mg/kg wet	50		98	75-125	5	20	10/21/14	
Thallium	93	2.0	mg/kg wet	100		93	75-125	8	20	10/21/14	
Vanadium	100	12	mg/kg wet	100		100	75-125	7	20	10/21/14	
Zinc	100	62	mg/kg wet	100		101	75-125	6	20	10/21/14	
Matrix Spike (A413399-MS1)	**EPA 6020 - Quality Control**					**Source: A4J1293-01**					
Antimony	27	10	mg/kg wet	100	ND	27	75-125			10/21/14	MS1.0 *Low*
Arsenic	120	2.5	mg/kg wet	100	23	96	75-125			10/21/14	
Barium	380	6.2	mg/kg wet	100	280	100	75-125			10/21/14	
Beryllium	95	1.2	mg/kg wet	100	ND	95	75-125			10/21/14	
Cadmium	99	1.2	mg/kg wet	100	2.6	97	75-125			10/21/14	
Chromium	150	12	mg/kg wet	100	53	94	75-125			10/21/14	
Cobalt	100	12	mg/kg wet	100	ND	95	75-125			10/21/14	
Copper	260	5.0	mg/kg wet	100	170	93	75-125			10/21/14	
Lead	160	6.2	mg/kg wet	100	67	93	75-125			10/21/14	
Molybdenum	100	12	mg/kg wet	100	ND	102	75-125			10/21/14	
Nickel	130	12	mg/kg wet	100	37	96	75-125			10/21/14	
Selenium	97	2.5	mg/kg wet	100	ND	97	75-125			10/21/14	
Silver	45	12	mg/kg wet	50	ND	89	75-125			10/21/14	
Thallium	89	2.0	mg/kg wet	100	ND	89	75-125			10/21/14	
Vanadium	150	12	mg/kg wet	100	52	100	75-125			10/21/14	
Zinc	590	62	mg/kg wet	100	480	109	75-125			10/21/14	
Matrix Spike (A413399-MS2)	**EPA 6020 - Quality Control**					**Source: A4J1410-06**					
Antimony	72	10	mg/kg wet	100	ND	72	75-125			10/21/14	MS1.0 *Low*
Arsenic	100	2.5	mg/kg wet	100	3.7	101	75-125			10/21/14	
Barium	150	6.2	mg/kg wet	100	56	98	75-125			10/21/14	
Beryllium	98	1.2	mg/kg wet	100	ND	98	75-125			10/21/14	
Cadmium	100	1.2	mg/kg wet	100	ND	103	75-125			10/21/14	
Chromium	100	12	mg/kg wet	100	ND	101	75-125			10/21/14	
Cobalt	100	12	mg/kg wet	100	ND	103	75-125			10/21/14	
Copper	100	5.0	mg/kg wet	100	ND	100	75-125			10/21/14	
Lead	100	6.2	mg/kg wet	100	ND	101	75-125			10/21/14	
Molybdenum	100	12	mg/kg wet	100	ND	102	75-125			10/21/14	
Nickel	110	12	mg/kg wet	100	ND	106	75-125			10/21/14	
Selenium	100	2.5	mg/kg wet	100	ND	100	75-125			10/21/14	
Silver	50	12	mg/kg wet	50	ND	101	75-125			10/21/14	
Thallium	96	2.0	mg/kg wet	100	ND	96	75-125			10/21/14	
Vanadium	120	12	mg/kg wet	100	25	98	75-125			10/21/14	
Zinc	130	62	mg/kg wet	100	ND	99	75-125			10/21/14	
Matrix Spike Dup (A413399-MSD1)	**EPA 6020 - Quality Control**					**Source: A4J1293-01**					
Antimony	26	10	mg/kg wet	100	ND	26	75-125	5	20	10/21/14	MS1.0 *Low*
Arsenic	120	2.5	mg/kg wet	100	23	99	75-125	3	20	10/21/14	
Barium	370	6.2	mg/kg wet	100	280	95	75-125	1	20	10/21/14	
Beryllium	95	1.2	mg/kg wet	100	ND	95	75-125	0	20	10/21/14	

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413399				Analyst: MAS		Prepared: 10/17/2014					
Matrix Spike Dup (A413399-MSD1)	**EPA 6020 - Quality Control**					**Source: A4J1293-01**					
Cadmium	100	1.2	mg/kg wet	100	2.6	97	75-125	1	20	10/21/14	
Chromium	150	12	mg/kg wet	100	53	96	75-125	1	20	10/21/14	
Cobalt	100	12	mg/kg wet	100	ND	96	75-125	1	20	10/21/14	
Copper	260	5.0	mg/kg wet	100	170	93	75-125	0	20	10/21/14	
Lead	160	6.2	mg/kg wet	100	67	96	75-125	2	20	10/21/14	
Molybdenum	100	12	mg/kg wet	100	ND	104	75-125	2	20	10/21/14	
Nickel	130	12	mg/kg wet	100	37	96	75-125	0	20	10/21/14	
Selenium	100	2.5	mg/kg wet	100	ND	100	75-125	3	20	10/21/14	
Silver	45	12	mg/kg wet	50	ND	90	75-125	1	20	10/21/14	
Thallium	94	2.0	mg/kg wet	100	ND	94	75-125	5	20	10/21/14	
Vanadium	150	12	mg/kg wet	100	52	100	75-125	0	20	10/21/14	
Zinc	590	62	mg/kg wet	100	480	109	75-125	0	20	10/21/14	
Matrix Spike Dup (A413399-MSD2)	**EPA 6020 - Quality Control**					**Source: A4J1410-06**					
Antimony	73	10	mg/kg wet	100	ND	73	75-125	1	20	10/21/14	MS1.0 *Low*
Arsenic	100	2.5	mg/kg wet	100	3.7	99	75-125	2	20	10/21/14	
Barium	160	6.2	mg/kg wet	100	56	100	75-125	2	20	10/21/14	
Beryllium	96	1.2	mg/kg wet	100	ND	96	75-125	3	20	10/21/14	
Cadmium	100	1.2	mg/kg wet	100	ND	100	75-125	3	20	10/21/14	
Chromium	100	12	mg/kg wet	100	ND	100	75-125	1	20	10/21/14	
Cobalt	100	12	mg/kg wet	100	ND	104	75-125	1	20	10/21/14	
Copper	100	5.0	mg/kg wet	100	ND	100	75-125	0	20	10/21/14	
Lead	100	6.2	mg/kg wet	100	ND	101	75-125	0	20	10/21/14	
Molybdenum	100	12	mg/kg wet	100	ND	104	75-125	2	20	10/21/14	
Nickel	110	12	mg/kg wet	100	ND	107	75-125	1	20	10/21/14	
Selenium	100	2.5	mg/kg wet	100	ND	102	75-125	2	20	10/21/14	
Silver	50	12	mg/kg wet	50	ND	100	75-125	1	20	10/21/14	
Thallium	99	2.0	mg/kg wet	100	ND	99	75-125	3	20	10/21/14	
Vanadium	120	12	mg/kg wet	100	25	99	75-125	1	20	10/21/14	
Zinc	130	62	mg/kg wet	100	ND	98	75-125	0	20	10/21/14	
Blank (A413399-BLK1)	**EPA 6020A - Quality Control**										
Mercury	ND	0.50	mg/kg wet							10/21/14	
Blank Spike (A413399-BS1)	**EPA 6020A - Quality Control**										
Mercury	2.6	0.50	mg/kg wet	2.5		104	75-125			10/21/14	
Blank Spike Dup (A413399-BSD1)	**EPA 6020A - Quality Control**										
Mercury	2.4	0.50	mg/kg wet	2.5		98	75-125	7	20	10/21/14	
Matrix Spike (A413399-MS1)	**EPA 6020A - Quality Control**					**Source: A4J1293-01**					
Mercury	2.4	0.50	mg/kg wet	2.5	ND	96	75-125			10/21/14	
Matrix Spike (A413399-MS2)	**EPA 6020A - Quality Control**					**Source: A4J1410-06**					
Mercury	2.4	0.50	mg/kg wet	2.5	ND	96	75-125			10/21/14	
Matrix Spike Dup (A413399-MSD1)	**EPA 6020A - Quality Control**					**Source: A4J1293-01**					
Mercury	2.5	0.50	mg/kg wet	2.5	ND	101	75-125	5	20	10/21/14	

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413399				Analyst: MAS		Prepared: 10/17/2014					
Matrix Spike Dup (A413399-MSD2)	**EPA 6020A - Quality Control**					**Source: A4J1410-06**					
Mercury	2.5	0.50	mg/kg wet	2.5	ND	101	75-125	5	20	10/21/14	

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Organics Quality Control Report

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413390				Analyst: AAR		Prepared: 10/17/2014					
Blank (A413390-BLK1) EPA 8081A - Quality Control											
4,4'-DDD	ND	1.0	ug/kg wet							10/20/14	
4,4'-DDE	ND	1.0	ug/kg wet							10/20/14	
4,4'-DDT	ND	1.0	ug/kg wet							10/20/14	
Aldrin	ND	1.0	ug/kg wet							10/20/14	
alpha-BHC	ND	1.0	ug/kg wet							10/20/14	
Aroclor-1016	ND	0.020	mg/kg wet							10/20/14	
Aroclor-1221	ND	0.020	mg/kg wet							10/20/14	
Aroclor-1232	ND	0.020	mg/kg wet							10/20/14	
Aroclor-1242	ND	0.020	mg/kg wet							10/20/14	
Aroclor-1248	ND	0.020	mg/kg wet							10/20/14	
Aroclor-1254	ND	0.020	mg/kg wet							10/20/14	
Aroclor-1260	ND	0.020	mg/kg wet							10/20/14	
beta-BHC	ND	1.0	ug/kg wet							10/20/14	
Chlordane	ND	50	ug/kg wet							10/20/14	
delta-BHC	ND	1.0	ug/kg wet							10/20/14	
Dieldrin	ND	1.0	ug/kg wet							10/20/14	
Endosulfan I	ND	1.0	ug/kg wet							10/20/14	
Endosulfan II	ND	1.0	ug/kg wet							10/20/14	
Endosulfan Sulfate	ND	1.0	ug/kg wet							10/20/14	
Endrin	ND	1.0	ug/kg wet							10/20/14	
Endrin Aldehyde	ND	1.0	ug/kg wet							10/20/14	
Heptachlor	ND	1.0	ug/kg wet							10/20/14	
Heptachlor Epoxide	ND	1.0	ug/kg wet							10/20/14	
Lindane	ND	1.0	ug/kg wet							10/20/14	
Methoxychlor	ND	1.0	ug/kg wet							10/20/14	
Toxaphene	ND	50	ug/kg wet							10/20/14	
Surrogate: Decachlorobiphenyl	*0.0073*			*0.0075*		*97*	*50-150*			10/20/14	
Surrogate: TCMX	*12*			*15*		*83*	*10-138*			10/20/14	
Blank Spike (A413390-BS1) EPA 8081A - Quality Control											
4,4'-DDD	1.7	1.0	ug/kg wet	2.0		83	40-134			10/20/14	
4,4'-DDE	2.0	1.0	ug/kg wet	2.0		102	46-139			10/20/14	
4,4'-DDT	2.5	1.0	ug/kg wet	2.0		127	38-156			10/20/14	
Aldrin	2.2	1.0	ug/kg wet	2.0		112	44-125			10/20/14	
alpha-BHC	2.0	1.0	ug/kg wet	2.0		100	30-137			10/20/14	
beta-BHC	2.1	1.0	ug/kg wet	2.0		103	40-155			10/20/14	
delta-BHC	2.1	1.0	ug/kg wet	2.0		103	11-139			10/20/14	
Dieldrin	2.1	1.0	ug/kg wet	2.0		104	39-137			10/20/14	
Endosulfan I	2.1	1.0	ug/kg wet	2.0		107	38-132			10/20/14	
Endosulfan II	2.3	1.0	ug/kg wet	2.0		114	34-138			10/20/14	
Endosulfan Sulfate	2.1	1.0	ug/kg wet	2.0		107	38-144			10/20/14	
Endrin	2.3	1.0	ug/kg wet	2.0		115	22-161			10/20/14	
Endrin Aldehyde	2.2	1.0	ug/kg wet	2.0		110	42-142			10/20/14	
Heptachlor	2.1	1.0	ug/kg wet	2.0		106	44-133			10/20/14	
Heptachlor Epoxide	2.1	1.0	ug/kg wet	2.0		105	46-137			10/20/14	
Lindane	2.1	1.0	ug/kg wet	2.0		103	37-140			10/20/14	
Methoxychlor	2.7	1.0	ug/kg wet	2.0		136	42-161			10/20/14	

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Organics Quality Control Report

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413390				Analyst: AAR		Prepared: 10/17/2014					
Blank Spike (A413390-BS1)	**EPA 8081A - Quality Control**										
Surrogate: TCMX	*13*			*15*		*89*	*10-138*			10/20/14	
Blank Spike Dup (A413390-BSD1)	**EPA 8081A - Quality Control**										
4,4'-DDD	1.7	1.0	ug/kg wet	2.0		87	40-134	6	30	10/20/14	
4,4'-DDE	2.1	1.0	ug/kg wet	2.0		103	46-139	1	30	10/20/14	
4,4'-DDT	2.5	1.0	ug/kg wet	2.0		126	38-156	0	30	10/20/14	
Aldrin	2.2	1.0	ug/kg wet	2.0		111	44-125	0	30	10/20/14	
alpha-BHC	2.0	1.0	ug/kg wet	2.0		100	30-137	0	30	10/20/14	
beta-BHC	2.1	1.0	ug/kg wet	2.0		103	40-155	0	30	10/20/14	
delta-BHC	2.1	1.0	ug/kg wet	2.0		104	11-139	0	30	10/20/14	
Dieldrin	2.1	1.0	ug/kg wet	2.0		105	39-137	0	30	10/20/14	
Endosulfan I	2.1	1.0	ug/kg wet	2.0		107	38-132	1	30	10/20/14	
Endosulfan II	2.2	1.0	ug/kg wet	2.0		112	34-138	2	30	10/20/14	
Endosulfan Sulfate	2.1	1.0	ug/kg wet	2.0		106	38-144	1	30	10/20/14	
Endrin	2.3	1.0	ug/kg wet	2.0		114	22-161	1	30	10/20/14	
Endrin Aldehyde	1.9	1.0	ug/kg wet	2.0		96	42-142	13	30	10/20/14	
Heptachlor	2.1	1.0	ug/kg wet	2.0		105	44-133	0	30	10/20/14	
Heptachlor Epoxide	2.1	1.0	ug/kg wet	2.0		106	46-137	0	30	10/20/14	
Lindane	2.0	1.0	ug/kg wet	2.0		102	37-140	0	30	10/20/14	
Methoxychlor	2.7	1.0	ug/kg wet	2.0		137	42-161	0	30	10/20/14	
Surrogate: TCMX	*13*			*15*		*88*	*10-138*			10/20/14	
Matrix Spike (A413390-MS1)	**EPA 8081A - Quality Control**					**Source: A4J1418-04**					
4,4'-DDD	91	5.0	ug/kg wet	100	ND	91	40-134			10/20/14	
4,4'-DDE	93	5.0	ug/kg wet	100	ND	94	46-139			10/20/14	
4,4'-DDT	89	5.0	ug/kg wet	100	ND	90	38-156			10/20/14	
Aldrin	91	5.0	ug/kg wet	100	ND	91	44-125			10/20/14	
alpha-BHC	88	5.0	ug/kg wet	100	ND	88	30-137			10/20/14	
beta-BHC	94	5.0	ug/kg wet	100	ND	95	40-155			10/20/14	
delta-BHC	91	5.0	ug/kg wet	100	ND	91	11-139			10/20/14	
Dieldrin	92	5.0	ug/kg wet	100	ND	93	39-137			10/20/14	
Endosulfan I	94	5.0	ug/kg wet	100	ND	95	38-132			10/20/14	
Endosulfan II	92	5.0	ug/kg wet	100	ND	93	34-138			10/20/14	
Endosulfan Sulfate	94	5.0	ug/kg wet	100	ND	95	38-144			10/20/14	
Endrin	93	5.0	ug/kg wet	100	ND	93	22-161			10/20/14	
Endrin Aldehyde	72	5.0	ug/kg wet	100	ND	72	42-142			10/20/14	
Heptachlor	91	5.0	ug/kg wet	100	ND	92	44-133			10/20/14	
Heptachlor Epoxide	93	5.0	ug/kg wet	100	ND	93	46-137			10/20/14	
Lindane	90	5.0	ug/kg wet	100	ND	91	37-140			10/20/14	
Methoxychlor	91	5.0	ug/kg wet	100	ND	92	42-161			10/20/14	
Surrogate: Decachlorobiphenyl	*0.15*			*0.19*		*78*	*50-150*			10/20/14	
Surrogate: TCMX	*260*			*370*		*70*	*10-138*			10/20/14	
Matrix Spike Dup (A413390-MSD1)	**EPA 8081A - Quality Control**					**Source: A4J1418-04**					
4,4'-DDD	75	5.0	ug/kg wet	100	ND	75	40-134	19		10/20/14	
4,4'-DDE	78	5.0	ug/kg wet	100	ND	78	46-139	18		10/20/14	

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413390				Analyst: AAR		Prepared: 10/17/2014					
Matrix Spike Dup (A413390-MSD1)	**EPA 8081A - Quality Control**					**Source: A4J1418-04**					
4,4'-DDT	74	5.0	ug/kg wet	100	ND	75	38-156	19		10/20/14	
Aldrin	75	5.0	ug/kg wet	100	ND	76	44-125	18		10/20/14	
alpha-BHC	74	5.0	ug/kg wet	100	ND	74	30-137	18		10/20/14	
beta-BHC	78	5.0	ug/kg wet	100	ND	78	40-155	19		10/20/14	
delta-BHC	75	5.0	ug/kg wet	100	ND	76	11-139	19		10/20/14	
Dieldrin	77	5.0	ug/kg wet	100	ND	77	39-137	18		10/20/14	
Endosulfan I	79	5.0	ug/kg wet	100	ND	79	38-132	17		10/20/14	
Endosulfan II	77	5.0	ug/kg wet	100	ND	78	34-138	18		10/20/14	
Endosulfan Sulfate	78	5.0	ug/kg wet	100	ND	78	38-144	18		10/20/14	
Endrin	76	5.0	ug/kg wet	100	ND	76	22-161	20		10/20/14	
Endrin Aldehyde	61	5.0	ug/kg wet	100	ND	61	42-142	17		10/20/14	
Heptachlor	75	5.0	ug/kg wet	100	ND	75	44-133	19		10/20/14	
Heptachlor Epoxide	77	5.0	ug/kg wet	100	ND	77	46-137	19		10/20/14	
Lindane	75	5.0	ug/kg wet	100	ND	75	37-140	19		10/20/14	
Methoxychlor	75	5.0	ug/kg wet	100	ND	75	42-161	20		10/20/14	
Surrogate: Decachlorobiphenyl	*0.10*			*0.19*		*55*	*50-150*			10/20/14	
Surrogate: TCMX	*190*			*370*		*50*	*10-138*			10/20/14	
Batch: A413394				Analyst: AMN		Prepared: 10/17/2014					
Blank (A413394-BLK1)	**EPA 8260B - Quality Control**										
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet							10/17/14	
1,1,1-Trichloroethane	ND	5.0	ug/kg wet							10/17/14	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg wet							10/17/14	
1,1,2-Trichloroethane	ND	5.0	ug/kg wet							10/17/14	
1,1-Dichloroethane	ND	5.0	ug/kg wet							10/17/14	
1,1-Dichloroethene	ND	5.0	ug/kg wet							10/17/14	
1,1-Dichloropropene	ND	5.0	ug/kg wet							10/17/14	
1,2,3-Trichlorobenzene	ND	5.0	ug/kg wet							10/17/14	
1,2,3-Trichloropropane	ND	5.0	ug/kg wet							10/17/14	
1,2,4-Trichlorobenzene	ND	5.0	ug/kg wet							10/17/14	
1,2,4-Trimethylbenzene	ND	5.0	ug/kg wet							10/17/14	
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg wet							10/17/14	
1,2-Dichlorobenzene	ND	5.0	ug/kg wet							10/17/14	
1,2-Dichloroethane	ND	5.0	ug/kg wet							10/17/14	
1,2-Dichloropropane	ND	5.0	ug/kg wet							10/17/14	
1,3,5-Trimethylbenzene	ND	5.0	ug/kg wet							10/17/14	
1,3-Dichlorobenzene	ND	5.0	ug/kg wet							10/17/14	
1,3-Dichloropropane	ND	5.0	ug/kg wet							10/17/14	
1,4-Dichlorobenzene	ND	5.0	ug/kg wet							10/17/14	
2,2-Dichloropropane	ND	5.0	ug/kg wet							10/17/14	
2-Butanone	ND	20	ug/kg wet							10/17/14	
2-Chloroethyl vinyl ether	ND	20	ug/kg wet							10/17/14	
2-Chlorotoluene	ND	5.0	ug/kg wet							10/17/14	
2-Hexanone	ND	20	ug/kg wet							10/17/14	
4-Chlorotoluene	ND	5.0	ug/kg wet							10/17/14	
4-Methyl-2-pentanone	ND	20	ug/kg wet							10/17/14	

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Organics Quality Control Report

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413394				Analyst: AMN		Prepared: 10/17/2014					
Blank (A413394-BLK1) EPA 8260B - Quality Control											
Acetone	ND	50	ug/kg wet							10/17/14	
Acrolein	ND	20	ug/kg wet							10/17/14	
Acrylonitrile	ND	20	ug/kg wet							10/17/14	
Benzene	ND	5.0	ug/kg wet							10/17/14	
Bromobenzene	ND	5.0	ug/kg wet							10/17/14	
Bromochloromethane	ND	5.0	ug/kg wet							10/17/14	
Bromodichloromethane	ND	5.0	ug/kg wet							10/17/14	
Bromoform	ND	5.0	ug/kg wet							10/17/14	
Bromomethane	ND	5.0	ug/kg wet							10/17/14	
Carbon disulfide	ND	5.0	ug/kg wet							10/17/14	
Carbon Tetrachloride	ND	5.0	ug/kg wet							10/17/14	
Chlorobenzene	ND	5.0	ug/kg wet							10/17/14	
Chloroethane	ND	5.0	ug/kg wet							10/17/14	
Chloroform	ND	5.0	ug/kg wet							10/17/14	
Chloromethane	ND	5.0	ug/kg wet							10/17/14	
cis-1,2-Dichloroethene	ND	5.0	ug/kg wet							10/17/14	
cis-1,3-Dichloropropene	ND	5.0	ug/kg wet							10/17/14	
Dibromochloromethane	ND	5.0	ug/kg wet							10/17/14	
Dibromochloropropane (DBCP)	ND	5.0	ug/kg wet							10/17/14	
Dibromomethane	ND	5.0	ug/kg wet							10/17/14	
Dichlorodifluoromethane	ND	5.0	ug/kg wet							10/17/14	
Dichloromethane	ND	5.0	ug/kg wet							10/17/14	
Hexachlorobutadiene	ND	5.0	ug/kg wet							10/17/14	
Hexachloroethane	ND	50	ug/kg wet							10/17/14	
Iodomethane	ND	50	ug/kg wet							10/17/14	
Isopropylbenzene	ND	5.0	ug/kg wet							10/17/14	
m,p-Xylenes	ND	5.0	ug/kg wet							10/17/14	
Methyl-t-butyl ether	ND	5.0	ug/kg wet							10/17/14	
Naphthalene	ND	5.0	ug/kg wet							10/17/14	
n-Butylbenzene	ND	5.0	ug/kg wet							10/17/14	
n-Propylbenzene	ND	5.0	ug/kg wet							10/17/14	
o-Xylene	ND	5.0	ug/kg wet							10/17/14	
p-Isopropyltoluene	ND	5.0	ug/kg wet							10/17/14	
sec-Butylbenzene	ND	5.0	ug/kg wet							10/17/14	
Styrene	ND	5.0	ug/kg wet							10/17/14	
tert-Butylbenzene	ND	5.0	ug/kg wet							10/17/14	
Tetrachloroethene (PCE)	ND	5.0	ug/kg wet							10/17/14	
Toluene	ND	5.0	ug/kg wet							10/17/14	
trans-1,2-Dichloroethene	ND	5.0	ug/kg wet							10/17/14	
trans-1,3-Dichloropropene	ND	5.0	ug/kg wet							10/17/14	
Trichloroethene (TCE)	ND	5.0	ug/kg wet							10/17/14	
Trichlorofluoromethane	ND	5.0	ug/kg wet							10/17/14	
Vinyl Chloride	ND	5.0	ug/kg wet							10/17/14	
Surrogate: 1,2-Dichloroethane-d4	*500*			*500*		*100*	*70-130*			10/17/14	
Surrogate: Bromofluorobenzene	*490*			*500*		*98*	*70-130*			10/17/14	
Surrogate: Toluene-d8	*500*			*500*		*100*	*70-130*			10/17/14	
Surrogate: Toluene-d8	*480*			*500*		*96*	*70-130*			10/17/14	

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Organics Quality Control Report

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413394				Analyst: AMN		Prepared: 10/17/2014					
Blank Spike (A413394-BS1)	**EPA 8260B - Quality Control**										
1,1,1,2-Tetrachloroethane	19	5.0	ug/kg wet	20		94	80-133			10/17/14	
1,1,1-Trichloroethane	21	5.0	ug/kg wet	20		104	82-126			10/17/14	
1,1,2,2-Tetrachloroethane	20	5.0	ug/kg wet	20		99	83-119			10/17/14	
1,1,2-Trichloroethane	18	5.0	ug/kg wet	20		91	87-117			10/17/14	
1,1-Dichloroethane	20	5.0	ug/kg wet	20		102	79-124			10/17/14	
1,1-Dichloroethene	20	5.0	ug/kg wet	20		100	78-127			10/17/14	
1,1-Dichloropropene	20	5.0	ug/kg wet	20		102	78-126			10/17/14	
1,2,3-Trichlorobenzene	21	5.0	ug/kg wet	20		104	75-134			10/17/14	
1,2,3-Trichloropropane	21	5.0	ug/kg wet	20		107	83-122			10/17/14	
1,2,4-Trichlorobenzene	20	5.0	ug/kg wet	20		102	68-141			10/17/14	
1,2,4-Trimethylbenzene	21	5.0	ug/kg wet	20		103	85-120			10/17/14	
1,2-Dibromoethane (EDB)	18	5.0	ug/kg wet	20		88	88-119			10/17/14	
1,2-Dichlorobenzene	20	5.0	ug/kg wet	20		102	85-123			10/17/14	
1,2-Dichloroethane	23	5.0	ug/kg wet	20		113	78-125			10/17/14	
1,2-Dichloropropane	20	5.0	ug/kg wet	20		101	84-121			10/17/14	
1,3,5-Trimethylbenzene	20	5.0	ug/kg wet	20		100	87-119			10/17/14	
1,3-Dichlorobenzene	20	5.0	ug/kg wet	20		100	81-128			10/17/14	
1,3-Dichloropropane	17	5.0	ug/kg wet	20		85	87-118			10/17/14	BS0.0 ***Low***
1,4-Dichlorobenzene	20	5.0	ug/kg wet	20		102	83-122			10/17/14	
2,2-Dichloropropane	23	5.0	ug/kg wet	20		113	81-131			10/17/14	
2-Butanone	23	20	ug/kg wet	20		115	46-157			10/17/14	
2-Chloroethyl vinyl ether	20	20	ug/kg wet	20		100	60-140			10/17/14	
2-Chlorotoluene	19	5.0	ug/kg wet	20		97	82-125			10/17/14	
2-Hexanone	24	20	ug/kg wet	20		120	89-134			10/17/14	
4-Chlorotoluene	19	5.0	ug/kg wet	20		94	82-127			10/17/14	
4-Methyl-2-pentanone	21	20	ug/kg wet	20		107	76-121			10/17/14	
Acetone	25	50	ug/kg wet	20		127	14-202			10/17/14	
Acrolein	200	20	ug/kg wet	200		102	60-140			10/17/14	
Acrylonitrile	20	20	ug/kg wet	20		99	60-140			10/17/14	
Benzene	19	5.0	ug/kg wet	20		97	82-122			10/17/14	
Bromobenzene	20	5.0	ug/kg wet	20		101	88-120			10/17/14	
Bromochloromethane	19	5.0	ug/kg wet	20		94	79-126			10/17/14	
Bromodichloromethane	21	5.0	ug/kg wet	20		107	70-141			10/17/14	
Bromoform	18	5.0	ug/kg wet	20		90	64-151			10/17/14	
Bromomethane	26	5.0	ug/kg wet	20		128	51-159			10/17/14	
Carbon disulfide	21	5.0	ug/kg wet	20		105	64-150			10/17/14	
Carbon Tetrachloride	23	5.0	ug/kg wet	20		113	65-147			10/17/14	
Chlorobenzene	20	5.0	ug/kg wet	20		100	89-120			10/17/14	
Chloroethane	23	5.0	ug/kg wet	20		115	65-146			10/17/14	
Chloroform	21	5.0	ug/kg wet	20		106	79-122			10/17/14	
Chloromethane	18	5.0	ug/kg wet	20		90	67-129			10/17/14	
cis-1,2-Dichloroethene	20	5.0	ug/kg wet	20		101	83-123			10/17/14	
cis-1,3-Dichloropropene	20	5.0	ug/kg wet	20		100	84-124			10/17/14	
Dibromochloromethane	18	5.0	ug/kg wet	20		90	68-148			10/17/14	
Dibromochloropropane (DBCP)	20	5.0	ug/kg wet	20		100	77-132			10/17/14	
Dibromomethane	21	5.0	ug/kg wet	20		107	81-122			10/17/14	
Dichlorodifluoromethane	17	5.0	ug/kg wet	20		86	54-139			10/17/14	

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Organics Quality Control Report

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413394				Analyst: AMN		Prepared: 10/17/2014					
Blank Spike (A413394-BS1)	**EPA 8260B - Quality Control**										
Dichloromethane	23	5.0	ug/kg wet	20		116	78-122			10/17/14	
Hexachlorobutadiene	22	5.0	ug/kg wet	20		111	75-139			10/17/14	
Hexachloroethane	20	50	ug/kg wet	20		99	62-159			10/17/14	
Iodomethane	23	50	ug/kg wet	20		113	53-154			10/17/14	
Isopropylbenzene	19	5.0	ug/kg wet	20		96	84-123			10/17/14	
m,p-Xylenes	40	5.0	ug/kg wet	40		100	86-120			10/17/14	
Methyl-t-butyl ether	42	5.0	ug/kg wet	40		104	83-118			10/17/14	
Naphthalene	17	5.0	ug/kg wet	20		87	84-122			10/17/14	
n-Butylbenzene	19	5.0	ug/kg wet	20		94	76-129			10/17/14	
n-Propylbenzene	20	5.0	ug/kg wet	20		98	80-128			10/17/14	
o-Xylene	21	5.0	ug/kg wet	20		105	86-122			10/17/14	
p-Isopropyltoluene	21	5.0	ug/kg wet	20		103	83-124			10/17/14	
sec-Butylbenzene	20	5.0	ug/kg wet	20		102	85-123			10/17/14	
Styrene	21	5.0	ug/kg wet	20		103	89-115			10/17/14	
tert-Butylbenzene	20	5.0	ug/kg wet	20		99	80-134			10/17/14	
Tetrachloroethene (PCE)	19	5.0	ug/kg wet	20		95	88-124			10/17/14	
Toluene	19	5.0	ug/kg wet	20		95	88-118			10/17/14	
trans-1,2-Dichloroethene	20	5.0	ug/kg wet	20		102	80-124			10/17/14	
trans-1,3-Dichloropropene	18	5.0	ug/kg wet	20		90	90-121			10/17/14	
Trichloroethene (TCE)	20	5.0	ug/kg wet	20		100	83-125			10/17/14	
Trichlorofluoromethane	22	5.0	ug/kg wet	20		112	63-144			10/17/14	
Vinyl Chloride	19	5.0	ug/kg wet	20		96	66-137			10/17/14	
Surrogate: 1,2-Dichloroethane-d4	*550*			*500*		*109*	*70-130*			10/17/14	
Surrogate: Bromofluorobenzene	*500*			*500*		*100*	*70-130*			10/17/14	
Surrogate: Toluene-d8	*480*			*500*		*95*	*70-130*			10/17/14	
Surrogate: Toluene-d8	*500*			*500*		*99*	*70-130*			10/17/14	
Blank Spike Dup (A413394-BSD1)	**EPA 8260B - Quality Control**										
1,1,1,2-Tetrachloroethane	20	5.0	ug/kg wet	20		102	80-133	8	30	10/17/14	
1,1,1-Trichloroethane	20	5.0	ug/kg wet	20		98	82-126	6	30	10/17/14	
1,1,2,2-Tetrachloroethane	21	5.0	ug/kg wet	20		105	83-119	6	30	10/17/14	
1,1,2-Trichloroethane	20	5.0	ug/kg wet	20		100	87-117	9	30	10/17/14	
1,1-Dichloroethane	18	5.0	ug/kg wet	20		89	79-124	13	30	10/17/14	
1,1-Dichloroethene	19	5.0	ug/kg wet	20		93	78-127	7	30	10/17/14	
1,1-Dichloropropene	19	5.0	ug/kg wet	20		97	78-126	5	30	10/17/14	
1,2,3-Trichlorobenzene	21	5.0	ug/kg wet	20		107	75-134	2	30	10/17/14	
1,2,3-Trichloropropane	20	5.0	ug/kg wet	20		102	83-122	5	30	10/17/14	
1,2,4-Trichlorobenzene	22	5.0	ug/kg wet	20		109	68-141	6	30	10/17/14	
1,2,4-Trimethylbenzene	20	5.0	ug/kg wet	20		102	85-120	1	30	10/17/14	
1,2-Dibromoethane (EDB)	21	5.0	ug/kg wet	20		107	88-119	19	30	10/17/14	
1,2-Dichlorobenzene	21	5.0	ug/kg wet	20		105	85-123	4	30	10/17/14	
1,2-Dichloroethane	20	5.0	ug/kg wet	20		99	78-125	13	30	10/17/14	
1,2-Dichloropropane	18	5.0	ug/kg wet	20		92	84-121	9	30	10/17/14	
1,3,5-Trimethylbenzene	20	5.0	ug/kg wet	20		99	87-119	1	30	10/17/14	
1,3-Dichlorobenzene	21	5.0	ug/kg wet	20		105	81-128	5	30	10/17/14	
1,3-Dichloropropane	19	5.0	ug/kg wet	20		97	87-116	13	30	10/17/14	
1,4-Dichlorobenzene	20	5.0	ug/kg wet	20		100	83-122	2	30	10/17/14	

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Organics Quality Control Report

BSK Associates Fresno

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413394				Analyst: AMN		Prepared: 10/17/2014					
Blank Spike Dup (A413394-BSD1)	**EPA 8260B - Quality Control**										
2,2-Dichloropropane	20	5.0	ug/kg wet	20		98	81-131	14	30	10/17/14	
2-Butanone	22	20	ug/kg wet	20		109	48-157	5	30	10/17/14	
2-Chloroethyl vinyl ether	20	20	ug/kg wet	20		99	60-140	2	30	10/17/14	
2-Chlorotoluene	20	5.0	ug/kg wet	20		101	82-125	4	30	10/17/14	
2-Hexanone	22	20	ug/kg wet	20		110	69-134	9	30	10/17/14	
4-Chlorotoluene	20	5.0	ug/kg wet	20		102	82-127	8	30	10/17/14	
4-Methyl-2-pentanone	20	20	ug/kg wet	20		100	76-121	7	30	10/17/14	
Acetone	21	50	ug/kg wet	20		105	14-202	19	30	10/17/14	
Acrolein	210	20	ug/kg wet	200		106	60-140	4	30	10/17/14	
Acrylonitrile	18	20	ug/kg wet	20		92	60-140	7	30	10/17/14	
Benzene	19	5.0	ug/kg wet	20		94	82-122	3	30	10/17/14	
Bromobenzene	20	5.0	ug/kg wet	20		100	88-120	0	30	10/17/14	
Bromochloromethane	18	5.0	ug/kg wet	20		88	79-126	7	30	10/17/14	
Bromodichloromethane	19	5.0	ug/kg wet	20		97	70-141	10	30	10/17/14	
Bromoform	20	5.0	ug/kg wet	20		101	64-151	12	30	10/17/14	
Bromomethane	21	5.0	ug/kg wet	20		106	51-159	19	30	10/17/14	
Carbon disulfide	18	5.0	ug/kg wet	20		89	64-150	16	30	10/17/14	
Carbon Tetrachloride	20	5.0	ug/kg wet	20		102	65-147	10	30	10/17/14	
Chlorobenzene	21	5.0	ug/kg wet	20		103	89-120	2	30	10/17/14	
Chloroethane	21	5.0	ug/kg wet	20		103	85-146	11	30	10/17/14	
Chloroform	19	5.0	ug/kg wet	20		95	79-122	11	30	10/17/14	
Chloromethane	17	5.0	ug/kg wet	20		87	67-129	3	30	10/17/14	
cis-1,2-Dichloroethene	18	5.0	ug/kg wet	20		92	83-123	10	30	10/17/14	
cis-1,3-Dichloropropene	20	5.0	ug/kg wet	20		102	84-124	3	30	10/17/14	
Dibromochloromethane	20	5.0	ug/kg wet	20		99	68-148	10	30	10/17/14	
Dibromochloropropane (DBCP)	19	5.0	ug/kg wet	20		94	77-132	6	30	10/17/14	
Dibromomethane	19	5.0	ug/kg wet	20		93	81-122	14	30	10/17/14	
Dichlorodifluoromethane	16	5.0	ug/kg wet	20		79	54-139	8	30	10/17/14	
Dichloromethane	19	5.0	ug/kg wet	20		96	78-122	19	30	10/17/14	
Hexachlorobutadiene	21	5.0	ug/kg wet	20		107	75-139	4	30	10/17/14	
Hexachloroethane	19	50	ug/kg wet	20		97	62-159	2	30	10/17/14	
Iodomethane	20	50	ug/kg wet	20		99	53-154	13	30	10/17/14	
Isopropylbenzene	19	5.0	ug/kg wet	20		96	84-123	0	30	10/17/14	
m,p-Xylenes	41	5.0	ug/kg wet	40		103	88-120	3	30	10/17/14	
Methyl-t-butyl ether	38	5.0	ug/kg wet	40		95	83-118	9	30	10/17/14	
Naphthalene	19	5.0	ug/kg wet	20		96	84-122	10	30	10/17/14	
n-Butylbenzene	21	5.0	ug/kg wet	20		105	76-129	11	30	10/17/14	
n-Propylbenzene	20	5.0	ug/kg wet	20		99	80-128	1	30	10/17/14	
o-Xylene	21	5.0	ug/kg wet	20		105	86-122	0	30	10/17/14	
p-Isopropyltoluene	20	5.0	ug/kg wet	20		100	83-124	4	30	10/17/14	
sec-Butylbenzene	20	5.0	ug/kg wet	20		99	85-123	3	30	10/17/14	
Styrene	20	5.0	ug/kg wet	20		100	89-115	3	30	10/17/14	
tert-Butylbenzene	20	5.0	ug/kg wet	20		99	80-134	1	30	10/17/14	
Tetrachloroethene (PCE)	19	5.0	ug/kg wet	20		95	88-124	0	30	10/17/14	
Toluene	19	5.0	ug/kg wet	20		97	88-118	2	30	10/17/14	
trans-1,2-Dichloroethene	18	5.0	ug/kg wet	20		88	80-124	14	30	10/17/14	
trans-1,3-Dichloropropene	20	5.0	ug/kg wet	20		100	90-121	10	30	10/17/14	

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Organics Quality Control Report

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413394				Analyst: AMN		Prepared: 10/17/2014					
Blank Spike Dup (A413394-BSD1)	**EPA 8260B - Quality Control**										
Trichloroethene (TCE)	19	5.0	ug/kg wet	20		95	83-125	5	30	10/17/14	
Trichlorofluoromethane	20	5.0	ug/kg wet	20		101	63-144	11	30	10/17/14	
Vinyl Chloride	18	5.0	ug/kg wet	20		88	66-137	8	30	10/17/14	
Surrogate: 1,2-Dichloroethane-d4	*470*			*500*		*94*	*70-130*			10/17/14	
Surrogate: Bromofluorobenzene	*480*			*500*		*97*	*70-130*			10/17/14	
Surrogate: Toluene-d8	*490*			*500*		*98*	*70-130*			10/17/14	
Surrogate: Toluene-d8	*500*			*500*		*101*	*70-130*			10/17/14	
Matrix Spike (A413394-MS1)	**EPA 8260B - Quality Control**					**Source: A4J1608-07**					
1,1,1,2-Tetrachloroethane	15	5.0	ug/kg wet	20	ND	75	80-133			10/18/14	MS1.0 ***Low***
1,1,1-Trichloroethane	15	5.0	ug/kg wet	20	ND	75	82-126			10/18/14	MS1.0 ***Low***
1,1,2,2-Tetrachloroethane	18	5.0	ug/kg wet	20	ND	91	83-119			10/18/14	
1,1,2-Trichloroethane	17	5.0	ug/kg wet	20	ND	83	87-117			10/18/14	MS1.0 ***Low***
1,1-Dichloroethane	16	5.0	ug/kg wet	20	ND	78	79-124			10/18/14	MS1.0 ***Low***
1,1-Dichloroethene	15	5.0	ug/kg wet	20	ND	73	78-127			10/18/14	MS1.0 ***Low***
1,1-Dichloropropene	15	5.0	ug/kg wet	20	ND	73	78-126			10/18/14	MS1.0 ***Low***
1,2,3-Trichlorobenzene	13	5.0	ug/kg wet	20	ND	67	75-134			10/18/14	MS1.0 ***Low***
1,2,3-Trichloropropane	18	5.0	ug/kg wet	20	ND	91	83-122			10/18/14	
1,2,4-Trichlorobenzene	14	5.0	ug/kg wet	20	ND	68	68-141			10/18/14	
1,2,4-Trimethylbenzene	16	5.0	ug/kg wet	20	ND	82	85-120			10/18/14	MS1.0 ***Low***
1,2-Dibromoethane (EDB)	17	5.0	ug/kg wet	20	ND	84	88-119			10/18/14	MS1.0 ***Low***
1,2-Dichlorobenzene	16	5.0	ug/kg wet	20	ND	81	85-123			10/18/14	MS1.0 ***Low***
1,2-Dichloroethane	15	5.0	ug/kg wet	20	ND	75	78-125			10/18/14	MS1.0 ***Low***
1,2-Dichloropropane	17	5.0	ug/kg wet	20	ND	85	84-121			10/18/14	
1,3,5-Trimethylbenzene	16	5.0	ug/kg wet	20	ND	82	87-119			10/18/14	MS1.0 ***Low***
1,3-Dichlorobenzene	16	5.0	ug/kg wet	20	ND	79	81-128			10/18/14	MS1.0 ***Low***
1,3-Dichloropropane	16	5.0	ug/kg wet	20	ND	81	87-118			10/18/14	MS1.0 ***Low***
1,4-Dichlorobenzene	16	5.0	ug/kg wet	20	ND	79	83-122			10/18/14	MS1.0 ***Low***
2,2-Dichloropropane	15	5.0	ug/kg wet	20	ND	74	81-131			10/18/14	MS1.0 ***Low***
2-Butanone	13	20	ug/kg wet	20	ND	65	48-157			10/18/14	
2-Chlorotoluene	17	5.0	ug/kg wet	20	ND	83	82-125			10/18/14	
2-Hexanone	16	20	ug/kg wet	20	ND	79	69-134			10/18/14	
4-Chlorotoluene	16	5.0	ug/kg wet	20	ND	79	82-127			10/18/14	MS1.0 ***Low***
4-Methyl-2-pentanone	15	20	ug/kg wet	20	ND	40	78-121			10/18/14	MS1.0 ***Low***
Acetone	11	50	ug/kg wet	20	ND	53	14-202			10/18/14	
Acrylonitrile	18	20	ug/kg wet	20	ND	88	60-140			10/18/14	
Benzene	18	5.0	ug/kg wet	20	ND	89	82-122			10/18/14	
Bromobenzene	16	5.0	ug/kg wet	20	ND	81	88-120			10/18/14	MS1.0 ***Low***
Bromochloromethane	16	5.0	ug/kg wet	20	ND	79	79-126			10/18/14	
Bromodichloromethane	16	5.0	ug/kg wet	20	ND	78	70-141			10/18/14	
Bromoform	15	5.0	ug/kg wet	20	ND	77	64-151			10/18/14	
Bromomethane	18	5.0	ug/kg wet	20	ND	88	51-159			10/18/14	
Carbon disulfide	15	5.0	ug/kg wet	20	ND	77	64-150			10/18/14	
Carbon Tetrachloride	15	5.0	ug/kg wet	20	ND	76	65-147			10/18/14	
Chlorobenzene	16	5.0	ug/kg wet	20	ND	80	89-120			10/18/14	MS1.0 ***Low***
Chloroethane	17	5.0	ug/kg wet	20	ND	84	65-146			10/18/14	
Chloroform	15	5.0	ug/kg wet	20	ND	76	79-122			10/18/14	MS1.0 ***Low***

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413394				Analyst: AMN		Prepared: 10/17/2014					
Matrix Spike (A413394-MS1)	**EPA 8260B - Quality Control**					**Source: A4J1608-07**					
Chloromethane	15	5.0	ug/kg wet	20	ND	77	67-129			10/18/14	
cis-1,2-Dichloroethene	15	5.0	ug/kg wet	20	ND	76	83-123			10/18/14	MS1.0 *Low*
cis-1,3-Dichloropropene	15	5.0	ug/kg wet	20	ND	77	84-124			10/18/14	MS1.0 *Low*
Dibromochloromethane	15	5.0	ug/kg wet	20	ND	77	68-148			10/18/14	
Dibromochloropropane (DBCP)	16	5.0	ug/kg wet	20	ND	80	77-132			10/18/14	
Dibromomethane	16	5.0	ug/kg wet	20	ND	79	81-122			10/18/14	MS1.0 *Low*
Dichlorodifluoromethane	10	5.0	ug/kg wet	20	ND	52	54-139			10/18/14	MS1.0 *Low*
Dichloromethane	17	5.0	ug/kg wet	20	ND	86	78-122			10/18/14	
Hexachlorobutadiene	15	5.0	ug/kg wet	20	ND	74	75-139			10/18/14	MS1.0 *Low*
Hexachloroethane	16	50	ug/kg wet	20	ND	80	62-159			10/18/14	
Iodomethane	17	50	ug/kg wet	20	ND	85	53-154			10/18/14	
Isopropylbenzene	17	5.0	ug/kg wet	20	ND	85	84-123			10/18/14	
m,p-Xylenes	33	5.0	ug/kg wet	40	ND	83	86-120			10/18/14	MS1.0 *Low*
Methyl-t-butyl ether	31	5.0	ug/kg wet	40	ND	78	83-118			10/18/14	MS1.0 *Low*
Naphthalene	14	5.0	ug/kg wet	20	ND	71	84-122			10/18/14	MS1.0 *Low*
n-Butylbenzene	16	5.0	ug/kg wet	20	ND	80	76-129			10/18/14	
n-Propylbenzene	17	5.0	ug/kg wet	20	ND	84	80-128			10/18/14	
o-Xylene	17	5.0	ug/kg wet	20	ND	83	86-122			10/18/14	MS1.0 *Low*
p-Isopropyltoluene	16	5.0	ug/kg wet	20	ND	80	83-124			10/18/14	MS1.0 *Low*
sec-Butylbenzene	16	5.0	ug/kg wet	20	ND	82	85-123			10/18/14	MS1.0 *Low*
Styrene	16	5.0	ug/kg wet	20	ND	79	89-115			10/18/14	MS1.0 *Low*
tert-Butylbenzene	16	5.0	ug/kg wet	20	ND	80	80-134			10/18/14	
Tetrachloroethene (PCE)	18	5.0	ug/kg wet	20	ND	88	88-124			10/18/14	
Toluene	16	5.0	ug/kg wet	20	ND	80	88-118			10/18/14	MS1.0 *Low*
trans-1,2-Dichloroethene	16	5.0	ug/kg wet	20	ND	78	80-124			10/18/14	MS1.0 *Low*
trans-1,3-Dichloropropene	16	5.0	ug/kg wet	20	ND	80	90-121			10/18/14	MS1.0 *Low*
Trichloroethene (TCE)	16	5.0	ug/kg wet	20	ND	80	83-125			10/18/14	MS1.0 *Low*
Trichlorofluoromethane	15	5.0	ug/kg wet	20	ND	74	63-144			10/18/14	
Vinyl Chloride	15	5.0	ug/kg wet	20	ND	76	66-137			10/18/14	
Surrogate: 1,2-Dichloroethane-d4	*430*			*500*		*85*	*70-130*			10/18/14	
Surrogate: Bromofluorobenzene	*510*			*500*		*103*	*70-130*			10/18/14	
Surrogate: Toluene-d8	*460*			*500*		*93*	*70-130*			10/18/14	
Surrogate: Toluene-d8	*460*			*500*		*93*	*70-130*			10/18/14	
Matrix Spike Dup (A413394-MSD1)	**EPA 8260B - Quality Control**					**Source: A4J1608-07**					
1,1,1,2-Tetrachloroethane	17	5.0	ug/kg wet	20	ND	83	80-133	10	30	10/18/14	
1,1,1-Trichloroethane	18	5.0	ug/kg wet	20	ND	88	82-126	16	30	10/18/14	
1,1,2,2-Tetrachloroethane	17	5.0	ug/kg wet	20	ND	84	83-119	8	30	10/18/14	
1,1,2-Trichloroethane	17	5.0	ug/kg wet	20	ND	84	87-117	1	30	10/18/14	MS1.0 *Low*
1,1-Dichloroethane	19	5.0	ug/kg wet	20	ND	93	79-124	17	30	10/18/14	
1,1-Dichloroethene	18	5.0	ug/kg wet	20	ND	91	78-127	22	30	10/18/14	
1,1-Dichloropropene	19	5.0	ug/kg wet	20	ND	96	78-126	27	30	10/18/14	
1,2,3-Trichlorobenzene	14	5.0	ug/kg wet	20	ND	72	75-134	7	30	10/18/14	MS1.0 *Low*
1,2,3-Trichloropropane	17	5.0	ug/kg wet	20	ND	83	83-122	9	30	10/18/14	
1,2,4-Trichlorobenzene	17	5.0	ug/kg wet	20	ND	83	68-141	20	30	10/18/14	
1,2,4-Trimethylbenzene	19	5.0	ug/kg wet	20	ND	96	85-120	15	30	10/18/14	
1,2-Dibromoethane (EDB)	16	5.0	ug/kg wet	20	ND	78	88-119	8	30	10/18/14	MS1.0 *Low*

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413394				Analyst: AMN		Prepared: 10/17/2014					
Matrix Spike Dup (A413394-MSD1)	**EPA 8260B - Quality Control**					**Source: A4J1608-07**					
1,2-Dichlorobenzene	18	5.0	ug/kg wet	20	ND	90	85-123	10	30	10/18/14	
1,2-Dichloroethane	17	5.0	ug/kg wet	20	ND	84	78-125	11	30	10/18/14	
1,2-Dichloropropane	19	5.0	ug/kg wet	20	ND	96	84-121	11	30	10/18/14	
1,3,5-Trimethylbenzene	19	5.0	ug/kg wet	20	ND	96	87-119	16	30	10/18/14	
1,3-Dichlorobenzene	18	5.0	ug/kg wet	20	ND	90	81-128	13	30	10/18/14	
1,3-Dichloropropane	17	5.0	ug/kg wet	20	ND	85	87-118	5	30	10/18/14	MS1.0 ***Low***
1,4-Dichlorobenzene	18	5.0	ug/kg wet	20	ND	88	83-122	11	30	10/18/14	
2,2-Dichloropropane	18	5.0	ug/kg wet	20	ND	91	81-131	21	30	10/18/14	
2-Butanone	14	20	ug/kg wet	20	ND	70	48-157	7	30	10/18/14	
2-Chlorotoluene	19	5.0	ug/kg wet	20	ND	94	82-125	13	30	10/18/14	
2-Hexanone	17	20	ug/kg wet	20	ND	83	69-134	5	30	10/18/14	
4-Chlorotoluene	18	5.0	ug/kg wet	20	ND	90	82-127	13	30	10/18/14	
4-Methyl-2-pentanone	16	20	ug/kg wet	20	ND	42	76-121	3	30	10/18/14	MS1.0 ***Low***
Acetone	13	50	ug/kg wet	20	ND	67	14-202	23	30	10/18/14	
Acrylonitrile	16	20	ug/kg wet	20	ND	82	60-140	6	30	10/18/14	
Benzene	20	5.0	ug/kg wet	20	ND	100	82-122	12	30	10/18/14	
Bromobenzene	18	5.0	ug/kg wet	20	ND	90	88-120	11	30	10/18/14	
Bromochloromethane	17	5.0	ug/kg wet	20	ND	86	79-126	8	30	10/18/14	
Bromodichloromethane	17	5.0	ug/kg wet	20	ND	87	70-141	11	30	10/18/14	
Bromoform	14	5.0	ug/kg wet	20	ND	72	64-151	7	30	10/18/14	
Bromomethane	19	5.0	ug/kg wet	20	ND	97	51-159	9	30	10/18/14	
Carbon disulfide	19	5.0	ug/kg wet	20	ND	95	64-150	21	30	10/18/14	
Carbon Tetrachloride	19	5.0	ug/kg wet	20	ND	97	65-147	25	30	10/18/14	
Chlorobenzene	18	5.0	ug/kg wet	20	ND	91	89-120	14	30	10/18/14	
Chloroethane	21	5.0	ug/kg wet	20	ND	104	65-146	20	30	10/18/14	
Chloroform	18	5.0	ug/kg wet	20	ND	90	79-122	17	30	10/18/14	
Chloromethane	19	5.0	ug/kg wet	20	ND	95	67-129	20	30	10/18/14	
cis-1,2-Dichloroethene	18	5.0	ug/kg wet	20	ND	89	83-123	16	30	10/18/14	
cis-1,3-Dichloropropene	17	5.0	ug/kg wet	20	ND	86	84-124	12	30	10/18/14	
Dibromochloromethane	16	5.0	ug/kg wet	20	ND	81	68-148	5	30	10/18/14	
Dibromochloropropane (DBCP)	15	5.0	ug/kg wet	20	ND	74	77-132	9	30	10/18/14	MS1.0 ***Low***
Dibromomethane	17	5.0	ug/kg wet	20	ND	87	81-122	10	30	10/18/14	
Dichlorodifluoromethane	14	5.0	ug/kg wet	20	ND	70	54-139	29	30	10/18/14	
Dichloromethane	21	5.0	ug/kg wet	20	ND	104	78-122	19	30	10/18/14	
Hexachlorobutadiene	19	5.0	ug/kg wet	20	ND	93	75-139	23	30	10/18/14	
Hexachloroethane	18	50	ug/kg wet	20	ND	92	62-159	13	30	10/18/14	
Iodomethane	20	50	ug/kg wet	20	ND	101	53-154	18	30	10/18/14	
Isopropylbenzene	19	5.0	ug/kg wet	20	ND	96	84-123	12	30	10/18/14	
m,p-Xylenes	40	5.0	ug/kg wet	40	ND	100	86-120	19	30	10/18/14	
Methyl-t-butyl ether	33	5.0	ug/kg wet	40	ND	83	83-118	6	30	10/18/14	
Naphthalene	14	5.0	ug/kg wet	20	ND	70	84-122	2	30	10/18/14	MS1.0 ***Low***
n-Butylbenzene	21	5.0	ug/kg wet	20	ND	103	76-129	24	30	10/18/14	
n-Propylbenzene	19	5.0	ug/kg wet	20	ND	96	80-128	14	30	10/18/14	
o-Xylene	19	5.0	ug/kg wet	20	ND	97	86-122	16	30	10/18/14	
p-Isopropyltoluene	19	5.0	ug/kg wet	20	ND	95	83-124	17	30	10/18/14	
sec-Butylbenzene	19	5.0	ug/kg wet	20	ND	94	85-123	14	30	10/18/14	
Styrene	18	5.0	ug/kg wet	20	ND	92	89-115	16	30	10/18/14	

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413394				Analyst: AMN		Prepared: 10/17/2014					
Matrix Spike Dup (A413394-MSD1)	**EPA 8260B - Quality Control**					**Source: A4J1608-07**					
tert-Butylbenzene	18	5.0	ug/kg wet	20	ND	92	80-134	14	30	10/18/14	
Tetrachloroethene (PCE)	21	5.0	ug/kg wet	20	ND	107	88-124	19	30	10/18/14	
Toluene	18	5.0	ug/kg wet	20	ND	92	88-118	15	30	10/18/14	
trans-1,2-Dichloroethene	18	5.0	ug/kg wet	20	ND	90	80-124	14	30	10/18/14	
trans-1,3-Dichloropropene	18	5.0	ug/kg wet	20	ND	79	90-121	0	30	10/18/14	MS1.0 ***Low***
Trichloroethene (TCE)	20	5.0	ug/kg wet	20	ND	98	83-125	21	30	10/18/14	
Trichlorofluoromethane	18	5.0	ug/kg wet	20	ND	91	63-144	21	30	10/18/14	
Vinyl Chloride	19	5.0	ug/kg wet	20	ND	97	66-137	24	30	10/18/14	
Surrogate: 1,2-Dichloroethane-d4	*420*			*500*		*85*	*70-130*			10/18/14	
Surrogate: Bromofluorobenzene	*490*			*500*		*98*	*70-130*			10/18/14	
Surrogate: Toluene-d8	*460*			*500*		*93*	*70-130*			10/18/14	
Surrogate: Toluene-d8	*460*			*500*		*93*	*70-130*			10/18/14	
Batch: A413438				Analyst: KHH		Prepared: 10/20/2014					
Blank (A413438-BLK1)	**EPA 8270C - Quality Control**										
1,2,4-Trichlorobenzene	ND	100	ug/kg wet							10/21/14	
1,2-Diphenylhydrazine (as Azobenzene)	ND	100	ug/kg wet							10/21/14	
2,4,6-Trichlorophenol	ND	200	ug/kg wet							10/21/14	
2,4-Dichlorophenol	ND	100	ug/kg wet							10/21/14	
2,4-Dimethylphenol	ND	100	ug/kg wet							10/21/14	
2,4-Dinitrophenol	ND	1000	ug/kg wet							10/21/14	
2,4-Dinitrotoluene	ND	100	ug/kg wet							10/21/14	
2,6-Dinitrotoluene	ND	100	ug/kg wet							10/21/14	
2-Chloronaphthalene	ND	100	ug/kg wet							10/21/14	
2-Chlorophenol	ND	100	ug/kg wet							10/21/14	
2-Nitrophenol	ND	100	ug/kg wet							10/21/14	
3,3-Dichlorobenzidine	ND	650	ug/kg wet							10/21/14	
4,6-Dinitro-2-methylphenol	ND	500	ug/kg wet							10/21/14	
4-Bromophenyl phenyl ether	ND	100	ug/kg wet							10/21/14	
4-Chloro-3-methylphenol	ND	200	ug/kg wet							10/21/14	
4-Chlorophenyl phenyl ether	ND	100	ug/kg wet							10/21/14	
4-Nitrophenol	ND	1000	ug/kg wet							10/21/14	
Acenaphthene	ND	50	ug/kg wet							10/21/14	
Acenaphthylene	ND	50	ug/kg wet							10/21/14	
Anthracene	ND	50	ug/kg wet							10/21/14	
Benzidine	ND	1000	ug/kg wet							10/21/14	
Benzo(a)anthracene	ND	50	ug/kg wet							10/21/14	
Benzo(a)pyrene	ND	50	ug/kg wet							10/21/14	
Benzo(b)fluoranthene	ND	50	ug/kg wet							10/21/14	
Benzo(g,h,i)perylene	ND	50	ug/kg wet							10/21/14	
Benzo(k)fluoranthene	ND	50	ug/kg wet							10/21/14	
Bis(2-chloroethoxy)methane	ND	100	ug/kg wet							10/21/14	
Bis(2-chloroethyl) ether	ND	1700	ug/kg wet							10/21/14	
Bis(2-chloroisopropyl) ether	ND	330	ug/kg wet							10/21/14	
Bis(2-ethylhexyl) phthalate	ND	500	ug/kg wet							10/21/14	
Butyl benzyl phthalate	ND	100	ug/kg wet							10/21/14	

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413438				Analyst: KHH		Prepared: 10/20/2014					
Blank (A413438-BLK1) EPA 8270C - Quality Control											
Chrysene	ND	50	ug/kg wet							10/21/14	
Dibenzo(a,h)anthracene	ND	50	ug/kg wet							10/21/14	
Diethyl phthalate	ND	100	ug/kg wet							10/21/14	
Dimethyl phthalate	ND	100	ug/kg wet							10/21/14	
Di-n-butyl phthalate	ND	100	ug/kg wet							10/21/14	
Di-n-octyl phthalate	ND	100	ug/kg wet							10/21/14	
Fluoranthene	ND	50	ug/kg wet							10/21/14	
Fluorene	ND	50	ug/kg wet							10/21/14	
Hexachlorobenzene	ND	100	ug/kg wet							10/21/14	
Hexachlorobutadiene	ND	100	ug/kg wet							10/21/14	
Hexachlorocyclopentadiene	ND	1000	ug/kg wet							10/21/14	
Hexachloroethane	ND	100	ug/kg wet							10/21/14	
Indeno(1,2,3-cd)pyrene	ND	50	ug/kg wet							10/21/14	
Isophorone	ND	100	ug/kg wet							10/21/14	
Naphthalene	ND	100	ug/kg wet							10/21/14	
Nitrobenzene	ND	100	ug/kg wet							10/21/14	
N-Nitrosodimethylamine (NDMA)	ND	1000	ug/kg wet							10/21/14	
N-Nitrosodi-n-propylamine (NDPA)	ND	500	ug/kg wet							10/21/14	
N-Nitrosodiphenylamine (as DPA)	ND	100	ug/kg wet							10/21/14	
Pentachlorophenol	ND	1000	ug/kg wet							10/21/14	
Phenanthrene	ND	50	ug/kg wet							10/21/14	
Phenol	ND	100	ug/kg wet							10/21/14	
Pyrene	ND	50	ug/kg wet							10/21/14	
Surrogate: 2,4,6-Tribromophenol	*690*			*500*		*138*	*41-200*			10/21/14	
Surrogate: 2-Fluorobiphenyl	*520*			*500*		*105*	*46-144*			10/21/14	
Surrogate: 2-Fluorobiphenyl	*520*			*500*		*105*	*46-144*			10/21/14	
Surrogate: 2-Fluorophenol	*640*			*500*		*128*	*30-155*			10/21/14	
Surrogate: 2-Fluorophenol	*640*			*500*		*128*	*30-155*			10/21/14	
Surrogate: Nitrobenzene-d5	*500*			*500*		*100*	*30-149*			10/21/14	
Surrogate: Nitrobenzene-d5	*500*			*500*		*100*	*30-149*			10/21/14	
Surrogate: Phenol-d6	*550*			*500*		*110*	*40-162*			10/21/14	
Surrogate: Phenol-d6	*550*			*500*		*110*	*40-162*			10/21/14	
Surrogate: p-Terphenyl-d14	*520*			*500*		*105*	*45-161*			10/21/14	
Surrogate: p-Terphenyl-d14	*520*			*500*		*105*	*45-161*			10/21/14	
Blank Spike (A413438-BS1) EPA 8270C - Quality Control											
1,2,4-Trichlorobenzene	520	100	ug/kg wet	500		104	45-113			10/21/14	
1,2-Diphenylhydrazine (as Azobenzene)	490	100	ug/kg wet	500		98	50-150			10/21/14	
2,4,6-Trichlorophenol	510	200	ug/kg wet	500		101	41-129			10/21/14	
2,4-Dichlorophenol	490	100	ug/kg wet	500		98	31-142			10/21/14	
2,4-Dimethylphenol	390	100	ug/kg wet	500		77	10-107			10/21/14	
2,4-Dinitrophenol	600	1000	ug/kg wet	500		119	33-143			10/21/14	
2,4-Dinitrotoluene	570	100	ug/kg wet	500		113	59-125			10/21/14	
2,6-Dinitrotoluene	560	100	ug/kg wet	500		111	66-115			10/21/14	
2-Chloronaphthalene	530	100	ug/kg wet	500		106	56-115			10/21/14	
2-Chlorophenol	430	100	ug/kg wet	500		86	10-121			10/21/14	

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual	
Batch: A413438				Analyst: KHH		Prepared: 10/20/2014						
Blank Spike (A413438-BS1)	**EPA 8270C - Quality Control**											
2-Nitrophenol	510	100	ug/kg wet	500		101	28-124			10/21/14		
4,6-Dinitro-2-methylphenol	470	500	ug/kg wet	500		93	30-135			10/21/14		
4-Bromophenyl phenyl ether	520	100	ug/kg wet	500		103	56-113			10/21/14		
4-Chloro-3-methylphenol	510	200	ug/kg wet	500		102	48-126			10/21/14		
4-Chlorophenyl phenyl ether	500	100	ug/kg wet	500		99	58-121			10/21/14		
4-Nitrophenol	600	1000	ug/kg wet	500		119	65-113			10/21/14	BS	***High***
Acenaphthene	10	100	ug/kg wet	10		105	54-108			10/21/14		
Acenaphthylene	9.1	100	ug/kg wet	10		91	34-116			10/21/14		
Anthracene	10	100	ug/kg wet	10		101	45-109			10/21/14		
Benzo(a)anthracene	11	100	ug/kg wet	10		107	47-123			10/21/14		
Benzo(a)pyrene	10	100	ug/kg wet	10		102	46-126			10/21/14		
Benzo(b)fluoranthene	11	100	ug/kg wet	10		114	42-156			10/21/14		
Benzo(g,h,i)perylene	11	100	ug/kg wet	10		114	10-200			10/21/14		
Benzo(k)fluoranthene	11	100	ug/kg wet	10		112	46-142			10/21/14		
Bis(2-chloroethoxy)methane	640	100	ug/kg wet	500		128	57-113			10/21/14	BS	***High***
Bis(2-chloroethyl) ether	590	1700	ug/kg wet	500		117	25-135			10/21/14		
Bis(2-chloroisopropyl) ether	560	330	ug/kg wet	500		112	36-126			10/21/14		
Bis(2-ethylhexyl) phthalate	540	500	ug/kg wet	500		108	67-117			10/21/14		
Butyl benzyl phthalate	510	100	ug/kg wet	500		102	67-118			10/21/14		
Chrysene	11	100	ug/kg wet	10		106	49-120			10/21/14		
Dibenzo(a,h)anthracene	12	100	ug/kg wet	10		119	10-200			10/21/14		
Diethyl phthalate	530	100	ug/kg wet	500		106	56-140			10/21/14		
Dimethyl phthalate	510	100	ug/kg wet	500		102	68-110			10/21/14		
Di-n-butyl phthalate	550	100	ug/kg wet	500		109	68-108			10/21/14	BS	***High***
Di-n-octyl phthalate	530	100	ug/kg wet	500		107	67-117			10/21/14		
Fluoranthene	11	100	ug/kg wet	10		109	44-127			10/21/14		
Fluorene	11	100	ug/kg wet	10		106	48-126			10/21/14		
Hexachlorobenzene	510	100	ug/kg wet	500		101	55-118			10/21/14		
Hexachlorobutadiene	520	100	ug/kg wet	500		105	41-117			10/21/14		
Hexachlorocyclopentadiene	480	1000	ug/kg wet	500		96	10-130			10/21/14		
Hexachloroethane	520	100	ug/kg wet	500		105	10-134			10/21/14		
Indeno(1,2,3-cd)pyrene	12	100	ug/kg wet	10		117	10-200			10/21/14		
Isophorone	510	100	ug/kg wet	500		102	53-141			10/21/14		
Naphthalene	9.7	100	ug/kg wet	10		97	44-113			10/21/14		
Nitrobenzene	460	100	ug/kg wet	500		92	45-117			10/21/14		
N-Nitrosodi-n-propylamine (NDPA)	610	500	ug/kg wet	500		122	48-128			10/21/14		
N-Nitrosodiphenylamine (as DPA)	600	100	ug/kg wet	500		120	30-161			10/21/14		
Pentachlorophenol	570	1000	ug/kg wet	500		115	60-131			10/21/14		
Phenanthrene	11	100	ug/kg wet	10		111	48-118			10/21/14		
Phenol	440	100	ug/kg wet	500		88	27-120			10/21/14		
Pyrene	11	100	ug/kg wet	10		109	31-146			10/21/14		
Surrogate: 2,4,6-Tribromophenol	*740*			*500*		*148*	*41-200*			10/21/14		
Surrogate: 2,4,6-Tribromophenol	*740*			*500*		*148*	*41-200*			10/21/14		
Surrogate: 2-Fluorobiphenyl	*550*			*500*		*110*	*46-144*			10/21/14		
Surrogate: 2-Fluorobiphenyl	*550*			*500*		*110*	*46-144*			10/21/14		
Surrogate: 2-Fluorophenol	*580*			*500*		*116*	*30-155*			10/21/14		
Surrogate: 2-Fluorophenol	*580*			*500*		*116*	*30-155*			10/21/14		

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual	
Batch: A413438				Analyst: KHH		Prepared: 10/20/2014						
Blank Spike (A413438-BS1)	**EPA 8270C - Quality Control**											
Surrogate: Nitrobenzene-d5	*550*			*500*		*110*	*30-149*			10/21/14		
Surrogate: Nitrobenzene-d5	*550*			*500*		*110*	*30-149*			10/21/14		
Surrogate: Phenol-d6	*560*			*500*		*113*	*40-162*			10/21/14		
Surrogate: Phenol-d6	*560*			*500*		*113*	*40-162*			10/21/14		
Surrogate: p-Terphenyl-d14	*510*			*500*		*102*	*45-161*			10/21/14		
Surrogate: p-Terphenyl-d14	*510*			*500*		*102*	*45-161*			10/21/14		
Blank Spike Dup (A413438-BSD1)	**EPA 8270C - Quality Control**											
1,2,4-Trichlorobenzene	540	100	ug/kg wet	500		108	45-113	3	30	10/21/14		
1,2-Diphenylhydrazine (as Azobenzene)	430	100	ug/kg wet	500		85	50-150	14	30	10/21/14		
2,4,6-Trichlorophenol	530	200	ug/kg wet	500		106	41-129	5	30	10/21/14		
2,4-Dichlorophenol	510	100	ug/kg wet	500		102	31-142	5	30	10/21/14		
2,4-Dimethylphenol	380	100	ug/kg wet	500		76	10-107	1	30	10/21/14		
2,4-Dinitrophenol	450	1000	ug/kg wet	500		89	33-143	29	30	10/21/14		
2,4-Dinitrotoluene	540	100	ug/kg wet	500		108	59-125	4	30	10/21/14		
2,6-Dinitrotoluene	560	100	ug/kg wet	500		112	66-115	0	30	10/21/14		
2-Chloronaphthalene	540	100	ug/kg wet	500		109	56-115	3	30	10/21/14		
2-Chlorophenol	410	100	ug/kg wet	500		81	10-121	5	30	10/21/14		
2-Nitrophenol	480	100	ug/kg wet	500		96	28-124	5	30	10/21/14		
4,6-Dinitro-2-methylphenol	290	500	ug/kg wet	500		59	30-135	45	30	10/21/14	BS3.0	
4-Bromophenyl phenyl ether	500	100	ug/kg wet	500		101	56-113	2	30	10/21/14		
4-Chloro-3-methylphenol	670	200	ug/kg wet	500		135	48-126	28	30	10/21/14	BS3.0	***High***
4-Chlorophenyl phenyl ether	490	100	ug/kg wet	500		99	58-121	0	30	10/21/14		
4-Nitrophenol	600	1000	ug/kg wet	500		121	85-113	1	30	10/21/14	BS	***High***
Acenaphthene	11	100	ug/kg wet	10		108	54-108	3	30	10/21/14		
Acenaphthylene	7.7	100	ug/kg wet	10		77	34-116	17	30	10/21/14		
Anthracene	8.7	100	ug/kg wet	10		87	45-109	15	30	10/21/14		
Benzo(a)anthracene	10	100	ug/kg wet	10		102	47-123	4	30	10/21/14		
Benzo(a)pyrene	8.3	100	ug/kg wet	10		83	46-126	20	30	10/21/14		
Benzo(b)fluoranthene	12	100	ug/kg wet	10		117	42-156	3	30	10/21/14		
Benzo(g,h,i)perylene	11	100	ug/kg wet	10		112	10-200	1	30	10/21/14		
Benzo(k)fluoranthene	11	100	ug/kg wet	10		108	46-142	3	30	10/21/14		
Bis(2-chloroethoxy)methane	680	100	ug/kg wet	500		136	57-113	6	30	10/21/14	BS	***High***
Bis(2-chloroethyl) ether	550	1700	ug/kg wet	500		111	25-135	6	30	10/21/14		
Bis(2-chloroisopropyl) ether	550	330	ug/kg wet	500		110	36-128	2	30	10/21/14		
Bis(2-ethylhexyl) phthalate	550	500	ug/kg wet	500		110	67-117	2	30	10/21/14		
Butyl benzyl phthalate	510	100	ug/kg wet	500		102	67-118	0	30	10/21/14		
Chrysene	11	100	ug/kg wet	10		107	49-120	1	30	10/21/14		
Dibenzo(a,h)anthracene	12	100	ug/kg wet	10		119	10-200	0	30	10/21/14		
Diethyl phthalate	540	100	ug/kg wet	500		107	56-140	1	30	10/21/14		
Dimethyl phthalate	520	100	ug/kg wet	500		104	68-110	2	30	10/21/14		
Di-n-butyl phthalate	550	100	ug/kg wet	500		109	68-108	0	30	10/21/14	BS	***High***
Di-n-octyl phthalate	540	100	ug/kg wet	500		108	67-117	1	30	10/21/14		
Fluoranthene	11	100	ug/kg wet	10		107	44-127	2	30	10/21/14		
Fluorene	11	100	ug/kg wet	10		106	48-126	0	30	10/21/14		
Hexachlorobenzene	500	100	ug/kg wet	500		99	55-118	2	30	10/21/14		

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413438				Analyst: KHH		Prepared: 10/20/2014					
Blank Spike Dup (A413438-BSD1)	**EPA 8270C - Quality Control**										
Hexachlorobutadiene	590	100	ug/kg wet	500		119	41-117	13	30	10/21/14	BS ***High***
Hexachlorocyclopentadiene	560	1000	ug/kg wet	500		113	10-130	16	30	10/21/14	
Hexachloroethane	530	100	ug/kg wet	500		107	10-134	2	30	10/21/14	
Indeno(1,2,3-cd)pyrene	12	100	ug/kg wet	10		116	10-200	1	30	10/21/14	
Isophorone	540	100	ug/kg wet	500		107	53-141	5	30	10/21/14	
Naphthalene	9.8	100	ug/kg wet	10		98	44-113	1	30	10/21/14	
Nitrobenzene	530	100	ug/kg wet	500		106	45-117	14	30	10/21/14	
N-Nitrosodi-n-propylamine (NDPA)	570	500	ug/kg wet	500		113	48-128	7	30	10/21/14	
N-Nitrosodiphenylamine (as DPA)	530	100	ug/kg wet	500		107	30-161	12	30	10/21/14	
Pentachlorophenol	550	1000	ug/kg wet	500		110	60-131	4	30	10/21/14	
Phenanthrene	11	100	ug/kg wet	10		112	48-118	1	30	10/21/14	
Phenol	420	100	ug/kg wet	500		84	27-120	4	30	10/21/14	
Pyrene	11	100	ug/kg wet	10		111	31-146	2	30	10/21/14	
Surrogate: 2,4,6-Tribromophenol	*700*			*500*		*140*	*41-200*			10/21/14	
Surrogate: 2,4,6-Tribromophenol	*700*			*500*		*140*	*41-200*			10/21/14	
Surrogate: 2-Fluorobiphenyl	*580*			*500*		*117*	*46-144*			10/21/14	
Surrogate: 2-Fluorobiphenyl	*580*			*500*		*117*	*46-144*			10/21/14	
Surrogate: 2-Fluorophenol	*620*			*500*		*124*	*30-155*			10/21/14	
Surrogate: 2-Fluorophenol	*620*			*500*		*124*	*30-155*			10/21/14	
Surrogate: Nitrobenzene-d5	*630*			*500*		*126*	*30-149*			10/21/14	
Surrogate: Nitrobenzene-d5	*630*			*500*		*126*	*30-149*			10/21/14	
Surrogate: Phenol-d6	*540*			*500*		*109*	*40-162*			10/21/14	
Surrogate: Phenol-d6	*540*			*500*		*109*	*40-162*			10/21/14	
Surrogate: p-Terphenyl-d14	*510*			*500*		*103*	*45-161*			10/21/14	
Surrogate: p-Terphenyl-d14	*510*			*500*		*103*	*45-161*			10/21/14	
Matrix Spike (A413438-MS1)	**EPA 8270C - Quality Control**					**Source: A4J1127-06**					
1,2,4-Trichlorobenzene	520	100	ug/kg wet	500	ND	105	45-113			10/21/14	
1,2-Diphenylhydrazine (as Azobenzene)	520	100	ug/kg wet	500	ND	104	50-150			10/21/14	
2,4,6-Trichlorophenol	550	200	ug/kg wet	500	ND	111	41-129			10/21/14	
2,4-Dichlorophanol	510	100	ug/kg wet	500	ND	102	31-142			10/21/14	
2,4-Dimethylphenol	400	100	ug/kg wet	500	ND	81	10-107			10/21/14	
2,4-Dinitrophenol	560	1000	ug/kg wet	500	ND	107	33-143			10/21/14	
2,4-Dinitrotoluene	560	100	ug/kg wet	500	ND	113	59-125			10/21/14	
2,6-Dinitrotoluene	570	100	ug/kg wet	500	ND	113	66-115			10/21/14	
2-Chloronaphthalene	500	100	ug/kg wet	500	ND	101	56-115			10/21/14	
2-Chlorophenol	420	100	ug/kg wet	500	ND	84	10-121			10/21/14	
2-Nitrophenol	520	100	ug/kg wet	500	ND	101	28-124			10/21/14	
4,6-Dinitro-2-methylphenol	440	500	ug/kg wet	500	ND	89	30-135			10/21/14	
4-Bromophenyl phenyl ether	500	100	ug/kg wet	500	ND	100	56-113			10/21/14	
4-Chloro-3-methylphenol	620	200	ug/kg wet	500	ND	124	48-126			10/21/14	
4-Chlorophenyl phenyl ether	480	100	ug/kg wet	500	ND	96	58-121			10/21/14	
4-Nitrophenol	580	1000	ug/kg wet	500	ND	118	65-113			10/21/14	MS1.0 ***High***
Acenaphthene	11	100	ug/kg wet	9.9	ND	100	54-108			10/21/14	
Acenaphthylena	9.0	100	ug/kg wet	9.9	ND	91	34-116			10/21/14	
Anthracene	10	100	ug/kg wet	9.9	ND	92	45-109			10/21/14	

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413438				Analyst: KHH		Prepared: 10/20/2014					
Matrix Spike (A413438-MS1)	**EPA 8270C - Quality Control**					**Source: A4J1127-06**					
Benzo(a)anthracene	10	100	ug/kg wet	9.9	ND	97	47-123			10/21/14	
Benzo(a)pyrene	10	100	ug/kg wet	9.9	ND	101	46-126			10/21/14	
Benzo(b)fluoranthene	11	100	ug/kg wet	9.9	ND	114	42-156			10/21/14	
Benzo(g,h,i)perylene	11	100	ug/kg wet	9.9	ND	107	10-200			10/21/14	
Benzo(k)fluoranthene	11	100	ug/kg wet	9.9	ND	108	46-142			10/21/14	
Bis(2-chloroethoxy)methane	650	100	ug/kg wet	500	ND	131	57-113			10/21/14	MS1.0 ***High***
Bis(2-chloroethyl) ether	560	1700	ug/kg wet	500	ND	113	25-135			10/21/14	
Bis(2-chloroisopropyl) ether	530	330	ug/kg wet	500	ND	108	36-128			10/21/14	
Bis(2-ethylhexyl) phthalate	580	500	ug/kg wet	500	ND	117	67-117			10/21/14	
Butyl benzyl phthalate	510	100	ug/kg wet	500	ND	97	67-118			10/21/14	
Chrysene	11	100	ug/kg wet	9.9	ND	97	49-120			10/21/14	
Dibenzo(a,h)anthracene	11	100	ug/kg wet	9.9	ND	113	10-200			10/21/14	
Diethyl phthalate	510	100	ug/kg wet	500	ND	101	56-140			10/21/14	
Dimethyl phthalate	510	100	ug/kg wet	500	ND	101	68-110			10/21/14	
Di-n-butyl phthalate	540	100	ug/kg wet	500	ND	108	68-108			10/21/14	
Di-n-octyl phthelate	540	100	ug/kg wet	500	ND	107	67-117			10/21/14	
Fluoranthene	11	100	ug/kg wet	9.9	ND	107	44-127			10/21/14	
Fluorene	10	100	ug/kg wet	9.9	ND	104	48-126			10/21/14	
Hexachlorobenzene	490	100	ug/kg wet	500	ND	99	55-118			10/21/14	
Hexachlorobutadiene	560	100	ug/kg wet	500	ND	113	41-117			10/21/14	
Hexachlorocyclopentadiene	500	1000	ug/kg wet	500	ND	101	10-130			10/21/14	
Hexachloroethane	520	100	ug/kg wet	500	ND	105	10-134			10/21/14	
Indeno(1,2,3-cd)pyrene	11	100	ug/kg wet	9.9	ND	111	10-200			10/21/14	
Isophorone	530	100	ug/kg wet	500	ND	106	53-141			10/21/14	
Naphthalene	9.6	100	ug/kg wet	9.9	ND	97	44-113			10/21/14	
Nitrobenzene	500	100	ug/kg wet	500	ND	100	45-117			10/21/14	
N-Nitrosodi-n-propylamine (NDPA)	600	500	ug/kg wet	500	ND	119	48-128			10/21/14	
N-Nitrosodiphenylamine (as DPA)	600	100	ug/kg wet	500	ND	122	30-161			10/21/14	
Pentachlorophenol	560	1000	ug/kg wet	500	ND	112	60-131			10/21/14	
Phenanthrene	11	100	ug/kg wet	9.9	ND	104	48-118			10/21/14	
Phenol	430	100	ug/kg wet	500	ND	87	27-120			10/21/14	
Pyrene	11	100	ug/kg wet	9.9	ND	111	31-146			10/21/14	
Surrogate: 2,4,6-Tribromophenol	*720*			*500*		*144*	*41-200*			10/21/14	
Surrogate: 2,4,6-Tribromophenol	*720*			*500*		*144*	*41-200*			10/21/14	
Surrogate: 2-Fluorobiphenyl	*550*			*500*		*111*	*46-144*			10/21/14	
Surrogate: 2-Fluorobiphenyl	*550*			*500*		*111*	*46-144*			10/21/14	
Surrogate: 2-Fluorophenol	*610*			*500*		*122*	*30-155*			10/21/14	
Surrogate: 2-Fluorophenol	*610*			*500*		*122*	*30-155*			10/21/14	
Surrogate: Nitrobenzene-d5	*590*			*500*		*119*	*30-149*			10/21/14	
Surrogate: Nitrobenzene-d5	*590*			*500*		*119*	*30-149*			10/21/14	
Surrogate: Phenol-d6	*550*			*500*		*111*	*40-162*			10/21/14	
Surrogate: Phenol-d6	*550*			*500*		*111*	*40-162*			10/21/14	
Surrogate: p-Terphenyl-d14	*520*			*500*		*104*	*45-161*			10/21/14	
Surrogate: p-Terphenyl-d14	*520*			*500*		*104*	*45-161*			10/21/14	
Matrix Spike Dup (A413438-MSD1)	**EPA 8270C - Quality Control**					**Source: A4J1127-06**					

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Organics Quality Control Report

BSK Associates Fresno

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413438				Analyst: KHH		Prepared: 10/20/2014					
Matrix Spike Dup (A413438-MSD1)	**EPA 8270C - Quality Control**					**Source: A4J1127-06**					
1,2,4-Trichlorobenzene	550	100	ug/kg wet	500	ND	110	45-113	5	30	10/21/14	
1,2-Diphenylhydrazine (as Azobenzene)	490	100	ug/kg wet	500	ND	99	50-150		30	10/21/14	
2,4,6-Trichlorophenol	520	200	ug/kg wet	500	ND	104	41-129	5	30	10/21/14	
2,4-Dichlorophenol	540	100	ug/kg wet	500	ND	107	31-142	5	30	10/21/14	
2,4-Dimethylphenol	420	100	ug/kg wet	500	ND	84	10-107	3	30	10/21/14	
2,4-Dinitrophenol	430	1000	ug/kg wet	500	ND	81	33-143	26	30	10/21/14	
2,4-Dinitrotoluene	540	100	ug/kg wet	500	ND	108	59-125	4	30	10/21/14	
2,6-Dinitrotoluene	580	100	ug/kg wet	500	ND	113	66-115	1	30	10/21/14	
2-Chloronaphthalene	520	100	ug/kg wet	500	ND	104	56-115	4	30	10/21/14	
2-Chlorophenol	410	100	ug/kg wet	500	ND	83	10-121	0	30	10/21/14	
2-Nitrophenol	530	100	ug/kg wet	500	ND	103	28-124	3	30	10/21/14	
4,6-Dinitro-2-methylphenol	310	500	ug/kg wet	500	ND	62	30-135	36	30	10/21/14	MS2.0
4-Bromophenyl phenyl ether	500	100	ug/kg wet	500	ND	101	56-113	1	30	10/21/14	
4-Chloro-3-methylphenol	630	200	ug/kg wet	500	ND	127	48-126	3	30	10/21/14	MS2.0 ***High***
4-Chlorophenyl phenyl ether	460	100	ug/kg wet	500	ND	93	58-121	3	30	10/21/14	
4-Nitrophenol	560	1000	ug/kg wet	500	ND	113	65-113	4	30	10/21/14	
Acenaphthene	11	100	ug/kg wet	10	ND	99	54-108	1	30	10/21/14	
Acenaphthylene	8.3	100	ug/kg wet	10	ND	83	34-116	9	30	10/21/14	
Anthracene	8.8	100	ug/kg wet	10	ND	77	45-109	16	30	10/21/14	
Benzo(a)anthracene	10	100	ug/kg wet	10	ND	93	47-123	3	30	10/21/14	
Benzo(a)pyrene	8.9	100	ug/kg wet	10	ND	89	48-126	13	30	10/21/14	
Benzo(b)fluoranthene	12	100	ug/kg wet	10	ND	117	42-156	3	30	10/21/14	
Benzo(g,h,i)perylene	11	100	ug/kg wet	10	ND	106	10-200	1	30	10/21/14	
Benzo(k)fluoranthene	11	100	ug/kg wet	10	ND	110	46-142	2	30	10/21/14	
Bis(2-chlorcethoxy)methane	700	100	ug/kg wet	500	ND	141	57-113	8	30	10/21/14	MS1.0 ***High***
Bis(2-chloroethyl) ether	550	1700	ug/kg wet	500	ND	111	25-135	1	30	10/21/14	
Bis(2-chloroisopropyl) ether	560	330	ug/kg wet	500	ND	113	36-128	6	30	10/21/14	
Bis(2-ethylhexyl) phthalate	570	500	ug/kg wet	500	ND	113	67-117	2	30	10/21/14	
Butyl benzyl phthalate	520	100	ug/kg wet	500	ND	99	67-118	2	30	10/21/14	
Chrysene	11	100	ug/kg wet	10	ND	97	49-120	1	30	10/21/14	
Dibenzo(a,h)anthracene	11	100	ug/kg wet	10	ND	112	10-200	0	30	10/21/14	
Diethyl phthalate	510	100	ug/kg wet	500	ND	101	56-140	0	30	10/21/14	
Dimethyl phthalate	550	100	ug/kg wet	500	ND	109	68-110	8	30	10/21/14	
Di-n-butyl phthalate	550	100	ug/kg wet	500	ND	109	68-108	2	30	10/21/14	MS1.0 ***High***
Di-n-octyl phthalate	550	100	ug/kg wet	500	ND	108	67-117	1	30	10/21/14	
Fluoranthene	11	100	ug/kg wet	10	ND	109	44-127	2	30	10/21/14	
Fluorene	10	100	ug/kg wet	10	ND	101	48-126	3	30	10/21/14	
Hexachlorobenzene	490	100	ug/kg wet	500	ND	98	55-118	1	30	10/21/14	
Hexachlorobutadiene	570	100	ug/kg wet	500	ND	113	41-117	1	30	10/21/14	
Hexachlorocyclopentadiene	580	1000	ug/kg wet	500	ND	116	10-130		30	10/21/14	
Hexachloroethane	530	100	ug/kg wet	500	ND	106	10-134	2	30	10/21/14	
Indeno(1,2,3-cd)pyrene	11	100	ug/kg wet	10	ND	110	10-200	0	30	10/21/14	
Isophorone	590	100	ug/kg wet	500	ND	117	53-141	11	30	10/21/14	
Naphthalene	10	100	ug/kg wet	10	ND	100	44-113	4	30	10/21/14	
Nitrobenzene	550	100	ug/kg wet	500	ND	111	45-117	10	30	10/21/14	
N-Nitrosodi-n-propylamine (NDPA)	590	500	ug/kg wet	500	ND	117	48-128	2	30	10/21/14	
N-Nitrosodiphenylamine (as DPA)	560	100	ug/kg wet	500	ND	113	30-161	7	30	10/21/14	

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Organics Quality Control Report

BSK Associates Fresno

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413438				Analyst: KHH		Prepared: 10/20/2014					
Matrix Spike Dup (A413438-MSD1)	**EPA 8270C - Quality Control**					**Source: A4J1127-06**					
Pentachlorophenol	550	1000	ug/kg wet	500	ND	110	60-131	1	30	10/21/14	
Phenanthrene	11	100	ug/kg wet	10	ND	102	48-118	1	30	10/21/14	
Phenol	430	100	ug/kg wet	500	ND	86	27-120	0	30	10/21/14	
Pyrene	11	100	ug/kg wet	10	ND	111	31-146	0	30	10/21/14	
Surrogate: 2,4,6-Tribromophenol	*630*			*500*		*127*	*41-200*			10/21/14	
Surrogate: 2,4,6-Tribromophenol	*630*			*500*		*127*	*41-200*			10/21/14	
Surrogate: 2-Fluorobiphenyl	*550*			*500*		*110*	*46-144*			10/21/14	
Surrogate: 2-Fluorobiphenyl	*550*			*500*		*110*	*46-144*			10/21/14	
Surrogate: 2-Fluorophenol	*630*			*500*		*126*	*30-155*			10/21/14	
Surrogate: 2-Fluorophenol	*630*			*500*		*126*	*30-155*			10/21/14	
Surrogate: Nitrobenzene-d5	*650*			*500*		*130*	*30-149*			10/21/14	
Surrogate: Nitrobenzene-d5	*650*			*500*		*130*	*30-149*			10/21/14	
Surrogate: Phenol-d6	*540*			*500*		*109*	*40-162*			10/21/14	
Surrogate: Phenol-d6	*540*			*500*		*109*	*40-162*			10/21/14	
Surrogate: p-Terphenyl-d14	*520*			*500*		*103*	*45-161*			10/21/14	
Surrogate: p-Terphenyl-d14	*520*			*500*		*103*	*45-161*			10/21/14	
Batch: A413459				Analyst: AMN		Prepared: 10/20/2014					
Blank (A413459-BLK1)	**EPA 8260B - Quality Control**										
Acetone	ND	50	ug/kg wet							10/20/14	
m,p-Xylenes	ND	5.0	ug/kg wet							10/20/14	
o-Xylene	ND	5.0	ug/kg wet							10/20/14	
Toluene	ND	5.0	ug/kg wet							10/20/14	
Surrogate: 1,2-Dichloroethane-d4	*420*			*500*		*85*	*70-130*			10/20/14	
Surrogate: Bromofluorobenzene	*480*			*500*		*96*	*70-130*			10/20/14	
Surrogate: Toluene-d8	*460*			*500*		*93*	*70-130*			10/20/14	
Blank Spike (A413459-BS1)	**EPA 8260B - Quality Control**										
Acetone	20	50	ug/kg wet	20		101	14-202			10/20/14	
m,p-Xylenes	40	5.0	ug/kg wet	40		99	86-120			10/20/14	
o-Xylene	19	5.0	ug/kg wet	20		96	86-122			10/20/14	
Toluene	20	5.0	ug/kg wet	20		98	88-118			10/20/14	
Surrogate: 1,2-Dichloroethane-d4	*420*			*500*		*84*	*70-130*			10/20/14	
Surrogate: Bromofluorobenzene	*470*			*500*		*94*	*70-130*			10/20/14	
Surrogate: Toluene-d8	*460*			*500*		*92*	*70-130*			10/20/14	
Blank Spike Dup (A413459-BSD1)	**EPA 8260B - Quality Control**										
Acetone	24	50	ug/kg wet	20		121	14-202	18	30	10/20/14	
m,p-Xylenes	40	5.0	ug/kg wet	40		101	86-120	2	30	10/20/14	
o-Xylene	20	5.0	ug/kg wet	20		100	86-122	4	30	10/20/14	
Toluene	18	5.0	ug/kg wet	20		90	88-118	9	30	10/20/14	
Surrogate: 1,2-Dichloroethane-d4	*460*			*500*		*93*	*70-130*			10/20/14	
Surrogate: Bromofluorobenzene	*480*			*500*		*97*	*70-130*			10/20/14	

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Organics Quality Control Report

BSK Associates Fresno

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
Batch: A413459				Analyst: AMN		Prepared: 10/20/2014					
Blank Spike Dup (A413459-BSD1)	**EPA 8260B - Quality Control**										
Surrogate: Toluene-d8	*440*			*500*		*88*	*70-130*			10/20/14	

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Certificate of Analysis

12/17/2014

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
- Sample(s) received, prepared, and analyzed within the method specified criteria unless otherwise noted within this report.
- The results relate only to the samples analyzed in accordance with test(s) requested by the client on the Chain of Custody document. Any analytical quality control exceptions to method criteria that are to be considered when evaluating these results have been flagged and are defined in the data qualifiers section.
- All results are expressed on wet weight basis unless otherwise specified.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm thet the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Results contained in this analytical report must be reproduced in its entirety.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- BSK Analytical Laboratories certifies that the test results contained in this report meet all requirements of the NELAC Standards for applicable certified drinking water chemistry analyses unless qualified or noted in the Case Narrative.
- Analytical data contained in this report may be used for regulatory purposes to meet the requirements of the Federal or State drinking water, wastewater, and hazardous waste programs.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- * - This is not a NELAP accredited analyte.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.

Definitions and Flags for Data Qualifiers

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected at RL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	Picocuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent Recovered (surrogates)	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit		

BS	Blank spike recoveries did not meet acceptance limits.
BS0.0	Blank spike recoveries meet NELAC requirement for marginal exceedences. No material impact; no corrective acton required.
BS1.0	Blank spike recovery for this analyte was biased high; no material impact on reported result as sample is ND for this parameter.
BS2.1	Blank spike recovery was below acceptance limits; however, within the NELAP marginal exceedence acceptance criteria of 4 SD.
BS3.0	BS/BSD RPD exceeded the acceptance limit. Recovery met acceptance criteria.
CV0.0	CCV recovery was above method acceptance limits; no material impact on reported result as sample is ND for this parameter.
MS1.0	Matrix spike recoveries exceed control limits.
MS1.2	Matrix spike recovery exceeds lower control limit. Reported results for parent matrix should be considered estimated due to matrix interferences.

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MS2.0 MS/MSD RPD exceeds control limit. No material impact as both sets of recovery data meet control criteria.

RE1.1 Amended Result. See Case Narrative.

SR1.1 Surrogate recovery exceeds upper control limit due to matrix interference as confirmed by re-analysis. Associated results should be considered biased high.

SR4.1 Surrogate compound diluted outside of quantitation range due to matrix interferences. Recovery data unavailable or unreliable due to dilution.

Certifications: **Please refer to our website for a copy of our Accredited Fields of Testing under each certification.**

Fresno

State of California - ELAP	1180	State of Hawaii	4021
State of Nevada	CA000792014-1	State of Oregon - ORELAP	4021
EPA - UCMR3	CA00079	State of Washington	C997-14

Sacramento

State of California - ELAP	2435

Vancouver

State of Oregon - ORELAP	WA100008	State of Washington	C824-13

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A4J1561

City of Stockton

Stock8727

10152014

Turnaround: Standard

Due Date: 10/29/2014

BSK Associates
Engineers & Laboratories
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(559) 497-2888 Fax (559) 497-2893
www.bskassociates.com

A4J1561 10/15/2014
Stock8727 10

*Required Fields

Temp: 0.0

Company/Client Name*:	Report Attention*:	Invoice To*:	Phone*:	Fax*:
City of Stockton	Terrie Hinkle Additional cc's: David Callas	Terrie Hinkle PO#: 182045	209-937-8709	209-937-8708

E-mail*: Terrie.Hinkle@stocktongov.com

Address*:	City*:	State*:	Zip*:
2500 Navy Drive	Stockton	CA	95206

Project: Semi Annual Priority Pollutants

Project #:

Reporting Options: ☐ Trace (J-Flag) ☐ Swamp ☐ EDD Type:

How would you like your completed results sent?* ☒ E-Mail ☐ Fax ☐ Mail

Sampler Name (Printed/Signature)*: R. Bach

TAT* **Surcharge
☒ Standard - 10 Business Days
☐ **Rush: Date Needed

Regulatory Carbon Copies: CDPH ☐ ☐ Fresno Co; Merced Co ☐ ☐ Tulare Co; Madera Co ☐ ☐ Other:

Regulatory Compliance: ☐ EDT to California DPH System Number*: ☐ Geotracker #:

Matrix Types: SW=Surface Water BW=Bottled Water GW=Ground Water WW=Waste Water STW=Storm Water DW=Drinking Water SO=Solid

#	Sample Description*	Sampled* Date	Sampled* Time	Matrix*	Comments / Station Code / WTRAX	% Total Solids	CAM 17 METALS	CN (SW846 9010)	EPA 8081 / 8082	EPA 8260	EPA 8260 2CEVE / Acrolein / Acrylonitrile	EPA 8270	EPA 8270 - App IX Benzidine, 1,2-diphenylhydrazine	HCLCPD & NDMA only
1	BIO-001 #1 ✓	10-13-14	0850	SO	Please composite all the samples	X	X	X	X	X	X	X	X	X
2	BIO-001 #2 ✓	↓	1000	↓	into one sample for analysis									
3	BIO-001 #3 ✓		1110		(total collected = 9)									
4	BIO-001 #4 ✓		1210											
5	BIO-001 #5 ✓		1345		Sample ID:									
6	BIO-001 #6 ✓		1455		BIO-001/C: 10-13-14									
7	BIO-001 #7 ✓		1555											
8	BIO-001 #8 ✓		1700		Please report results both									
9	BIO-001 #9 ✓	↓	1800	↓	"as is" and as dry wt.									
					(QC report can be for "as is" only)									
10	Composite													

Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by: (Signature and Printed Name)	Company
Terrie L Hinkle HINKLE	COS	10-14-14	1335	[signature] Chris Grant	BSK-SAC
[signature]	BSK-SAC	10/14/14	1600		
Received for Lab by: (Signature and Printed Name) [signature]		10/14/14	9:45	Payment Received at Delivery: Date: Amount: PIA#:	Check / Cash Init.

Shipping Method: ONTRAC UPS GSO WALK-IN FED EX Courier: Custody Seal: Y / N
Cooling Method: Wet Blue None Chilling Process Begun: Y / N

Payment for services rendered as noted herein are due in full within 30 days from the date invoiced. If not so paid, account balances are deemed delinquent. Delinquent balances are subject to monthly service charges and interest specified in BSK's current Standard Terms and Conditions for Laboratory Services. The person signing for the Client/Company acknowledges that they are either the Client or an authorized agent to the Client, that the Client agrees to be responsible for payment for the services on this Chain of Custody, and agrees to BSK's terms and conditions for laboratory services unless contractually bound otherwise. BSK's current terms and conditions can be found at www.bskassociates.com/BSKLabTermsConditions.pdf

~~Form~~ BW

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Stock8727 10

Sample Integrity

BSK Bottles: (Yes) No Page 1 of 1

COC Info				
Was temperature within range? Chemistry ≤ 6°C Micro < 10°C	(Yes) No NA	Were correct containers and preservatives received for the tests requested?	Yes No (NA)
If samples were taken today. is there evidence that chilling has begun?	Yes No (NA)	Were there bubbles in the VOA vials? (Volatiles Only)	Yes No (NA)
Did all bottles arrive unbroken and intact?	(Yes) No	Was a sufficient amount of sample received?	(Yes) No
Did all bottle labels agree with COC?	(Yes) No	Do samples have a hold time <72 hours?	Yes (No)
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes No (NA)	Was PM notified of discrepancies? PM: By/Time:	Yes No (NA)

Bottles Received — "—" means preservation/chlorine checks are either N/A or are performed in the lab

250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)	Checks	Passed?	1-9	10				
Bacti $Na_2S_2O_3$	—	—						
None (P) White Cap	—	—						
Cr6 Buffer (P) Blue Cap **Drinking Water**	pH 9-9.5	Y N						
Cr6 Buffer (P) Blue Cap **Wastewater**	pH 9.3-9.7	Y N						
HNO_3 (P) Red Cap	—	—						
H_2SO_4 (P) or (AG) Yellow Cap/Label	pH < 2	Y N						
NaOH (P) Green Cap	Cl, pH >10	Y N						
NaOH + ZnAc (P)	pH > 9	Y N						
Dissolved Oxygen 300ml (g)	—	—						
None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270	—	—						
HCl (AG) Lt. Blue Label O&G, Diesel	—	—						
$Na_2S_2O_3$ 1 Liter (Brown P) 549	—	—						
$Na_2S_2O_3$ (AG) Blue Label 547, 515, 525, 548	—	—						
$Na_2S_2O_3$ (AG) Blue Label THMs 524.2 or 524.3	—	—						
$Na_2S_2O_3$ (CG) Blue Label 504, 505	—	—						
$Na_2S_2O_3$ + MCAA (CG) Orange Label 531	pH < 3	Y N						
NH_4Cl (AG) Purple Label 552	—	—						
EDA (AG) Brown Label DBPs	—	—						
Ascorbic + Maleic (AG) Lt Green Label 524.3	—	—						
HCL (CG) 524.2,BTEX,Gas, MTBE, 8260/624	—	—						
Buffer pH 4 (CG)	—	—						
None (CG)	—	—						
H_3PO_4 (CG) Salmon Label	—	—						
Other:								
Asbestos 1Liter Plastic w/ Foil	—	—						
Low Level Hg / Metals Double Baggie	—	—						
Bottled Water	—	—						
Clear Glass Jar: (250) / 500 / (1 Liter)	—	—						
Soil Tube Brass / Steel / Plastic	—	—						
Tedlar Bag / Plastic Bag	—	—						

Received 10/15/14

Split

	Container	Preservative	Date/Time/Initials		Container	Preservative	Date/Time/Initials
S P				S P			
S P				S P			

Comments

Labeled by: MS @ 1527 Labels checked by: JLD @ 16:20 RUSH Paged by: _____ @ _____