



Mr. Kamron Saremi  
Santa Ana Regional Water Quality Control Board  
3737 Main St., Suite 500  
Riverside, CA 92501

Subject: Beaumont Site 2 - Request to Discharge Treated Investigation-Derived Water,  
Riverside County, California

Dear Mr. Saremi:

Lockheed Martin is requesting approval from the Board for discharge of approximately 40,000 gallons of water to land at LMC Beaumont Site 2. The water was generated during recent investigation activities at the Site and processed in a small-scale pilot test of enhanced anaerobic biodegradation.

The pilot test results were previously submitted to the Board in a letter prepared by our consultant, Tetra Tech, dated May 11, 2009. A further summary of the analytical testing and results and a map showing the proposed discharge location are enclosed.

If you have any questions or comments regarding this request, please contact me at 408.756.9595 or [denise.kato@lmco.com](mailto:denise.kato@lmco.com) or Mark Feldman of Tetra Tech at (949) 929-2366 or [mark.feldman@tetrattech.com](mailto:mark.feldman@tetrattech.com).

Sincerely,

A handwritten signature in blue ink, appearing to read "Denise Kato", written over a horizontal line.

Denise Kato  
Remediation Analyst Senior Staff

Enclosure

cc: Dan Zogaib, DTSC (1 pdf)  
Gene Matsushita, LMC (1 hard copy)  
John Eisenbeis, Ph.D, Camp, Dresser, McKee (1 pdf)  
Thomas J. Villeneuve, Tetra Tech, Inc. (1 pdf)



May 28, 2009

Denise Kato  
Remediation Analyst Senior Staff  
Lockheed Martin Corporation  
Corporate Energy, Environment, Safety & Health  
1111 Lockheed Martin Way, Bldg. 157 9K2S  
Sunnyvale, CA 94089

SUBJECT: Request to Discharge Biotreated Investigation-Derived Water, Lockheed Martin Corporation,  
Beaumont Site 2, Riverside County, California

Dear Ms Kato:

The following letter has been prepared to support a request for approval from the State to discharge treated water to land at Lockheed Martin Corporation (LMC) Beaumont Site 2, located southwest of the City of Beaumont in Riverside County, California (the Site; Figure 1). Approximately 40,000 gallons of water were produced during recent investigation activities at the Site, which are being conducted with oversight from the California Department of Toxic Substances Control (DTSC). Site activities which resulted in generation of the water include drilling, well development, groundwater sampling, and equipment decontamination. The water is currently stored on-Site in two 20,000-gallon portable aboveground tanks.

The primary chemical of concern in the water is perchlorate, which is readily biodegradable under anaerobic conditions. A small-scale pilot test was conducted to evaluate use of anaerobic biodegradation to treat the water for potential onsite discharge. The pilot test results, which were previously submitted to the SARWQCB in a letter prepared by Tetra Tech, Inc. dated May 11, 2009, indicated that perchlorate concentrations could be reduced to non-detectable levels in approximately three to four weeks.

This letter provides information on treatment and confirmation testing for the two 20,000 gallon water tanks.

### **Water Treatment**

Treatment of the water tanks consisted of amending each tank with approximately 27.5 gallons of water from the pilot test, 50 pounds of glycerine, and 2 pounds of diammonium phosphate, and closing off hatches and vents on the tanks to allow anaerobic conditions to develop. Copies of vendor receipts and Material Safety Data Sheets for the amendments are provided in Attachment 1.

### **Confirmation Testing**

Water samples were collected from each tank and analyzed for the following:

- Perchlorate (EPA Method 332.0)
- 1,2,3-Trichloropropane (1,2,3-TCP; California DHS Sanitation and Radiation Laboratory Method)
- TPH as gasoline and diesel (EPA Method 8015m; tank sample only)
- VOCs (EPA Method 8260B)
- California Title 22 Metals (EPA Methods 6020/ 200.8; filtered samples)
- Nitrate (EPA Method 300.0)
- Orthophosphate Phosphorous (SM 4500P)

- Total Organic Carbon (TOC; SM 5310B)

Analytical results are summarized in Table 1, attached. Copies of the laboratory reports are provided in Attachment 2. Briefly, the confirmation testing results include the following:

- Perchlorate: Post-treatment concentrations were non-detect ( $< 0.071 \mu\text{g/L}$ )
- 1,2,3-TCP: Post-treatment concentrations were non-detect ( $< 0.005 \mu\text{g/L}$ )
- TPH as gasoline and diesel: Pre-treatment concentrations were non-detect ( $< 0.024$  and  $< 0.46 \text{ mg/L}$ , respectively)
- VOCs: Pre-treatment samples from Tank No. 1 were non-detect. Pre-treatment samples from Tank No. 2 contained low levels of chloroform and toluene; post-treatment samples contained low levels of 2-butanone, carbon disulfide, and toluene. In all cases, detected VOC concentrations were well below California Maximum Contaminant Levels (MCLs) or Drinking Water Notification Levels (DWNs).
- Dissolved metals: Post-treatment dissolved metals concentrations were either very low or non-detect. In all cases, metals concentrations were well below California MCLs.
- Nitrate: Post-treatment concentrations were non-detect ( $< 0.11 \text{ mg/L}$ )
- Orthophosphate phosphorous: Post treatment concentrations were 2.2 and  $< 0.0028 \text{ mg/L}$  in Tank No. 1 and 2, respectively.
- TOC: Post-treatment concentrations from both tanks were  $110 \text{ mg/L}$ .

#### **Proposed Water Discharge Location**

Tetra Tech proposes to discharge the treated water to an ephemeral drainage channel located in Laborde Canyon, approximately three miles north of the San Jacinto Valley. The approximate location of the discharge point is shown in Figure 2. The water tanks are currently located on an asphalt pad adjacent to the proposed discharge point. Hoses will be used to direct the treated water into the ephemeral drainage channel.

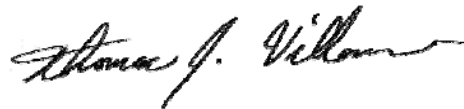
If you have any questions regarding this letter, please feel free to contact Tom Villeneuve or Mark Feldman of Tetra Tech at (909) 381-1674.

Sincerely,

**Tetra Tech, Inc.**



Mark Feldman, CHG CEG  
Senior Geochemist



Thomas Villeneuve, PE  
Project Manager

MF:dc

Attachments: Table 1 – Summary of Analytical Results, On-Site Water Biotreatment  
Figure 1 – Site Location Map  
Figure 2 – Proposed Discharge Point  
Attachment 1 – Amendment Receipts and Material Safety Data Sheets  
Attachment 2 – Laboratory Reports



TABLE 1  
Summary of Analytical Results  
On-Site Water Biotreatment  
LMC Beaumont Site 2

| Analyte                                        | Tank No. 1                     |                 |                 |                 |                 |                 |                 | Tank No. 2      |                 |                 |                 |                 |                 |             |
|------------------------------------------------|--------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|
|                                                | Disposal<br>Water<br>Container | IDW1-<br>265615 | IDW1-<br>042209 | IDW1-<br>043009 | IDW1-<br>050609 | IDW1-<br>051309 | IDW1-<br>051909 | IDW2-<br>256204 | IDW2-<br>042209 | IDW2-<br>043009 | IDW2-<br>050609 | IDW2-<br>051309 | IDW2-<br>051909 | IDW2-052109 |
|                                                | 01/09/09                       | 04/15/09        | 04/22/09        | 04/30/09        | 05/06/09        | 05/13/09        | 05/19/09        | 04/15/09        | 04/22/09        | 04/30/09        | 05/06/09        | 05/13/09        | 05/19/09        | 05/21/09    |
| Perchlorate <sup>1</sup> (µg/L)                | 3,100                          | 2,000           | 1,600           | <0.071          | <0.071          |                 | -               | 1,300           | -               | 130             | <0.071          | -               | -               | -           |
| 1,2,3-Trichloropropane <sup>2</sup> (µg/L)     | -                              | -               | -               | -               | -               |                 | <0.005          | -               | -               | -               | -               | -               | <0.005          | -           |
| TPH gasoline <sup>3</sup> (mg/L)               | <0.024                         | -               | -               | -               | -               |                 | -               | <0.024          | -               | -               | -               | -               | -               | -           |
| TPH diesel <sup>3</sup> (mg/L)                 | <0.46                          | -               | -               | -               | -               |                 | -               | <0.46           | -               | -               | -               | -               | -               | -           |
| VOCs <sup>4</sup> (µg/L)                       |                                |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |             |
| 2-Butanone (MEK)                               | <1.2                           |                 |                 |                 |                 |                 |                 | <1.2            |                 |                 |                 |                 |                 | 3.4         |
| Carbon Disulfide                               | <0.36                          |                 |                 |                 |                 |                 |                 | <0.36           |                 |                 |                 |                 |                 | 0.73        |
| Chloroform                                     | <0.17                          | -               | -               | -               | -               |                 | -               | 0.19 J          | -               | -               | -               | -               | -               | <0.17       |
| Toluene                                        | <0.22                          | -               | -               | -               | -               |                 | -               | 0.43 J          | -               | -               | -               | -               | -               | 4.8         |
| Other Compounds                                | All ND                         | -               | -               | -               | -               |                 | -               | All ND          | -               | -               | -               | -               | -               | All ND      |
| Dissolved Metals <sup>5</sup> (mg/L)           |                                |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |             |
| Antimony                                       | -                              | <0.003          | -               | -               | <0.003          |                 | -               | <0.003          | -               | -               | -               | <0.003          | -               | -           |
| Arsenic                                        | -                              | 0.0035          | -               | -               | 0.0018 J        |                 | -               | 0.0035          | -               | -               | -               | 0.0023 J        | -               | -           |
| Barium                                         | -                              | 0.13            | -               | -               | 0.068           |                 | -               | 0.32            | -               | -               | -               | 0.069           | -               | -           |
| Beryllium                                      | -                              | 0.00042 J       | -               | -               | <0.00017        |                 | -               | 0.0012          | -               | -               | -               | <0.00017        | -               | -           |
| Cadmium                                        | -                              | 0.00045 J       | -               | -               | 0.000077        |                 | -               | 0.00039 J       | -               | -               | -               | <0.000077       | -               | -           |
| Total Chromium                                 | -                              | 0.0099 J        | -               | -               | <0.0005         |                 | -               | 0.023           | -               | -               | -               | 0.0081 J        | -               | -           |
| Cobalt                                         | -                              | 0.0028 J        | -               | -               | 0.00095 J       |                 | -               | 0.0049 J        | -               | -               | -               | <0.00028        | -               | -           |
| Copper                                         | -                              | 0.024           | -               | -               | <0.0019         |                 | -               | 0.026           | -               | -               | -               | <0.0019         | -               | -           |
| Lead                                           | -                              | 0.0050          | -               | -               | 0.00011 J       |                 | -               | 0.0130          | -               | -               | -               | <0.000084       | -               | -           |
| Mercury                                        | -                              | <0.000032       | -               | -               | <0.000039       |                 | -               | 0.000083 J      | -               | -               | -               | 0.00026 J       | -               | -           |
| Molybdenum                                     | -                              | 0.036           | -               | -               | 0.032           |                 | -               | 0.020           | -               | -               | -               | 0.031           | -               | -           |
| Nickel                                         | -                              | 0.012           | -               | -               | 0.0020 J        |                 | -               | 0.016           | -               | -               | -               | <0.00015        | -               | -           |
| Selenium                                       | -                              | <0.0025         | -               | -               | <0.0025         |                 | -               | <0.0025         | -               | -               | -               | 0.011           | -               | -           |
| Silver                                         | -                              | <0.005          | -               | -               | <0.005          |                 | -               | <0.005          | -               | -               | -               | <0.005          | -               | -           |
| Thallium                                       | -                              | <0.00098        | -               | -               | <0.00098        |                 | -               | <0.00098        | -               | -               | -               | <0.00098        | -               | -           |
| Vanadium                                       | -                              | 0.023           | -               | -               | <0.0027         |                 | -               | 0.066           | -               | -               | -               | <0.0027         | -               | -           |
| Zinc                                           | -                              | 0.13            | -               | -               | <0.0014         |                 | -               | 0.076           | -               | -               | -               | 0.020           | -               | -           |
| Nitrate <sup>6</sup> (mg/L)                    | -                              | 0.11 J          | -               | -               | <0.11           | <0.11           | -               | -               | <0.11           | -               | -               | <0.11           | -               | -           |
| Orthophosphate Phosphorous <sup>7</sup> (mg/L) | -                              | 0.90            | -               | -               | -               | 2.2             | -               | -               | -               | -               | -               | <0.0028         | -               | -           |
| Total Organic Carbon <sup>8</sup> (mg/L)       | -                              | <70             | -               | -               | 110             |                 | -               | -               | -               | -               | -               | 110             | -               | -           |

Notes

- indicates not analyzed.

< indicates concentration below specified method detection limit (MDL).

J indicates estimated concentration.

ND indicates not detected above MDL; MDL varies by compound.

mg/L: milligrams per liter

µg/L: micrograms per liter

1) EPA Method 332.0

2) California DPH Sanitation and Radiation Laboratory Method (Purge-and-Trap GC/MS)

3) EPA Method 8015m

4) EPA Method 8260B

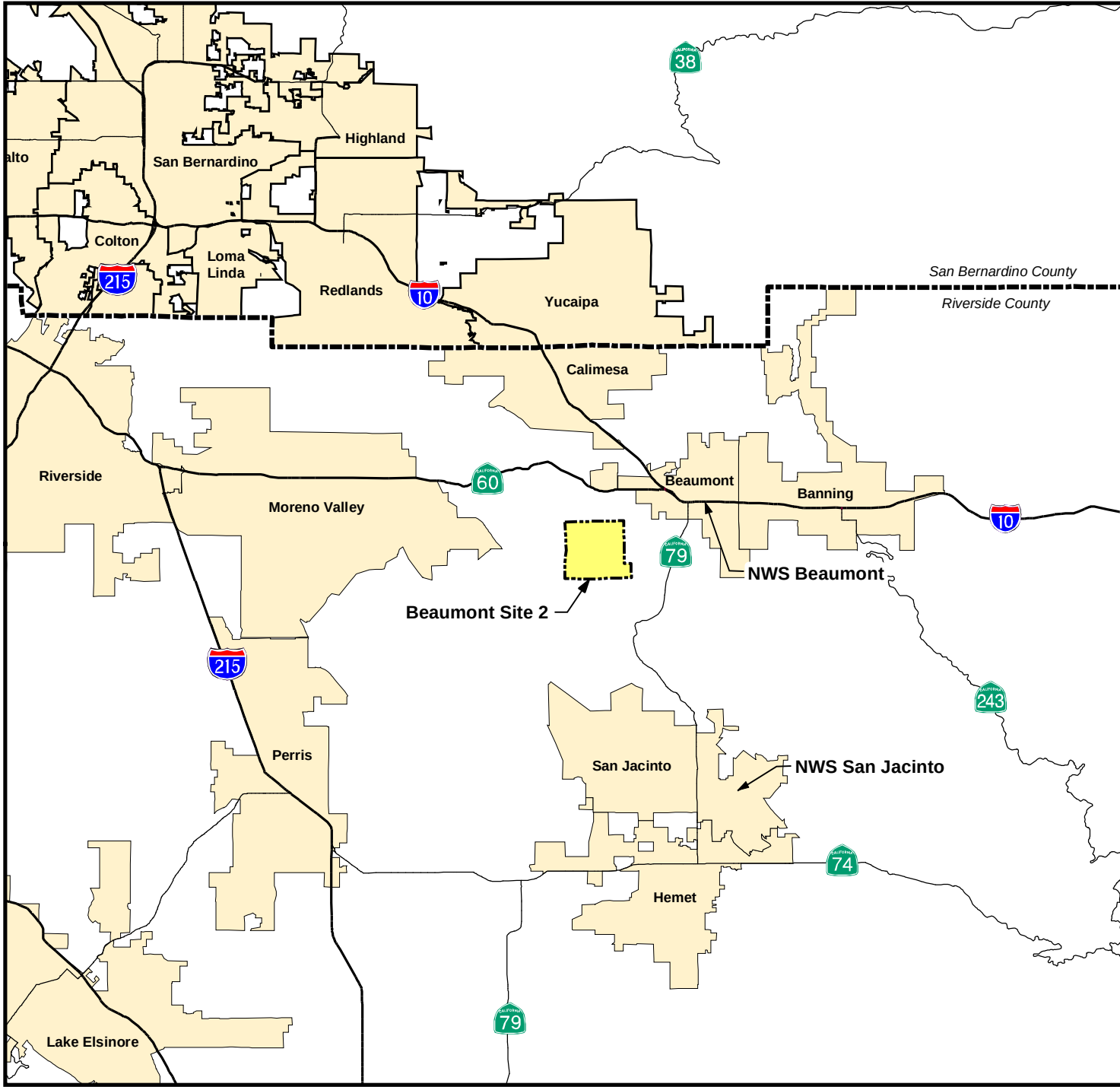
5) EPA Method 6020/200.8. Only results for filtered samples are shown.

6) EPA Method 300.0

7) Standard Method 4500P

8) Standard Method 5310B





0 5 Miles

Adapted from:

U.S. Census Bureau TIGER line data, 2000.

#### LEGEND

- County Boundary
- Beaumont Site 2 Property Boundary

Beaumont Site 2

**Figure 1**  
**Regional Location of**  
**Beaumont Site 2**







Discharge  
Point Location

Laborde

Canyon

Gilman Springs Rd.

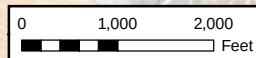
**LEGEND**



Discharge Point



Beaumont Site 2  
Property Boundary



Beaumont Site 2

**Figure 2**

**Discharge Point Location**



**TETRA TECH**





Email to: CHRISTOPHER PATRICK

christopher.patrick@tetrattech.com



4/08/09  
14:39:21

TETRA TECH  
348 WEST HOSPITALITY LANE  
SUITE 100  
SAN BERNARDINO, CA 92408

THANK YOU FOR PLACING YOUR ORDER WITH BRENNTAG PACIFIC. PLEASE TAKE A MOMENT TO REVIEW YOUR ORDER CONFIRMATION TO ENSURE THAT WE HAVE MET YOUR REQUIREMENTS AND NOTIFY ME IF YOU FIND ANY DISCREPANCIES.

PLEASE NOTE THAT YOUR ORDER WILL BE INVOICED AT YOUR CURRENT PRICE IN EFFECT AT THE TIME OF SHIPMENT.

WE APPRECIATE YOUR CHOOSING BRENNTAG TO SERVICE YOUR CHEMICAL NEEDS. IF YOU HAVE ANY QUESTIONS OR CONCERNS, PLEASE DO NOT HESITATE TO CONTACT ME.

JANET WRAY, INSIDE SALES  
PHONE: 562-777-9306  
EMAIL: JWRAY@BRENNTAG.COM

NOTE: OUR TERMS ARE AVAILABLE FOR REVIEW AT [WWW.BRENNTAG.CC](http://WWW.BRENNTAG.CC). TERMS IN EFFECT AT THE TIME OF DELIVERY SHALL GOVERN THIS ORDER.

# BRENNTAG

B/L#....: 680343-00 Ship Date.: 4/08/09  
 Cust#....: 403557 PO#.....: 22289-090108  
 Ship Via: UPS Ordered by: CHRISTOPHER PATRICK  
 Terms....: COD-CO CHECK

Ship to: TETRA TECH  
 348 WEST HOSPITALITY LANE  
 SUITE 100  
 SAN BERNARDINO, CA 92408

| Product Name       | Prod#           | Quantity     | Unit Price | Ext Price |
|--------------------|-----------------|--------------|------------|-----------|
| Product Desc       | -- Packaging -- | Cust         | Prod Desc  |           |
| GLYCERINE 96-99.5% | 309308          | 2.0000       | 4.5400     | 454.00    |
|                    | >A RPK          | 50.0000#PAIL |            |           |

|                        |        |
|------------------------|--------|
| Total Merchandise....: | 454.00 |
| Freight Charge.....:   | 50.00  |
| Insurance Surcharge..: | 25.00  |
| Fuel Surcharge.....:   | 27.50  |
| Tax.....:              | 45.61  |
|                        | -----  |
| Total Order Value....: | 602.11 |

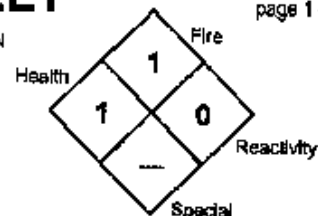
# MATERIAL SAFETY DATA SHEET

## BRENNTAG

page 1 of 6

|                                    |
|------------------------------------|
| Brenntag MSDS #: BPI-00308         |
| MSDS Revision/Issue Date: 11/17/08 |
| Supersedes Revision Date: New      |

 NFPA 704 DESIGNATION  
HAZARD RATING

 4=Extreme  
3=High  
2=Moderate  
1=Slight  
0=Insignificant


### 1. CHEMICAL PRODUCT IDENTIFICATION & COMPANY IDENTIFICATION

**PRODUCT IDENTIFIER:** GLYCERINE 96% - 99.5%

**GENERAL USE:** Used as an industrial solvent, plasticizer, emollient, sweetener, antifreeze and in the manufacture of numerous products, including liquid soaps and lubricants.

**PRODUCT DESCRIPTION:** An aliphatic alcohol. Synonyms include 1,2,3-propanetriol, trihydroxypropane 1,2,3-trihydroxy-propane, glycerin, glycerol and glyceritol.

**INFORMATION PROVIDED BY:** Brenntag Pacific, Inc.  
5700 N.W. Front Avenue  
Portland, OR 97210

For MSDS call: PHONE: 503-242-0200

### EMERGENCY PHONE NUMBERS

 BRENNTAG: 503-699-7055  
CHEMTREC: 800-424-9300  
CANUTEC: 813-996-6666

### 2. COMPOSITION & INFORMATION ON INGREDIENTS

| COMPONENT | CAS #   | OSHA HAZARD                                                           | WT %   | ACGIH                           |      | OSHA                                                                                                 |      |
|-----------|---------|-----------------------------------------------------------------------|--------|---------------------------------|------|------------------------------------------------------------------------------------------------------|------|
|           |         |                                                                       |        | TLV <sub>(TWA)</sub>            | STEL | PEL <sub>(TWA)</sub>                                                                                 | STEL |
| Glycerin  | 56-81-5 | Mild Eye & Skin Irritant;<br>Mild to Moderate<br>Respiratory Irritant | 98 ± 2 | 10 mg/m <sup>3</sup><br>(Mists) | None | Mist:<br>Total Dust<br>= 15 mg/m <sup>3</sup><br><br>Respirable<br>Fraction =<br>5 mg/m <sup>3</sup> | None |

NDA = No Data Available

N/A = Not Applicable

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY

##### OVERVIEW:

A clear, colorless, syrupy liquid having no characteristic odor. The mists and liquid may cause mild irritation to the eyes and skin. Inhalation of mists may cause mild or moderate irritation to the respiratory tract. This product is not combustible per OSHA and WHMIS definitions, but it can be ignited at high temperatures and will burn.

#### POTENTIAL HEALTH EFFECTS

##### INHALATION:

Inhalation of mists may cause mild to moderate irritation of the entire respiratory tract, including the nose, throat, mucous membranes and lungs, due to nuisance particulates. Symptoms of exposure may include shortness of breath, chest discomfort or pain and difficulty in breathing. Inhalation of Respirable Mist particles may restrict the exchange of gases in the lungs.

##### EYE CONTACT:

Exposure to the mists or liquid may cause mild eye irritation. Symptoms of exposure may include tearing, redness and a stinging sensation. Exposure is not expected to cause corneal damage or visual impairment.

##### SKIN CONTACT:

Exposure to the mists or liquid may cause mild skin irritation. Symptoms of exposure may include redness and discomfort. No published reports indicate this product is absorbed through the skin.

##### INGESTION:

Ingestion of a large amount may cause moderate irritation to the gastrointestinal tract, including the stomach and intestines, characterized by headache, nausea, vomiting, abdominal discomfort or pain and possibly diarrhea. This product is slightly toxic by ingestion.

##### CHRONIC:

Animal tests, on this product, indicate possible reproductive effects and kidney damage due to chronic overexposure to high doses. Human mutation data has also been reported. Otherwise, the chronic health effects are expected to be the same as for acute exposure.



**4. FIRST AID MEASURES**

- INHALATION:** If inhaled, and breathing is difficult, immediately move to fresh air. If symptoms persist, call a physician.
- EYE CONTACT:** In case of contact, immediately flush eyes with plenty of clean running water for at least 15 minutes, lifting the upper and lower lids occasionally. Remove contact lenses, if worn. Get medical attention if irritation persists.
- SKIN CONTACT:** In case of contact, flush skin with plenty of clean running water. Remove contaminated clothing and shoes, and wash before reuse. If irritation occurs and persists, get medical attention.
- INGESTION:** If swallowed, give plenty of water to drink. Call a physician. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**NOTE TO PHYSICIANS:** Treat exposure symptomatically.

**5. FIRE FIGHTING MEASURES**

**Flashpoint and Method:** Pure Glycerine = 199° C. (390° F.) Pensky-Martins Closed Tester (ASTM D 93-79)

**Flammable Limits (in air, % by volume)** Lower: No data available Upper: No data available

**Autoignition Temperature:** Pure Glycerine = 370° C. (698° F.)

**GENERAL HAZARD:** This product is an aqueous Glycerine solution. It is not combustible by OSHA or WHMIS definitions, but it can be ignited and will burn. The Uniform Fire Code physical hazard classification for this product is: **Combustible Liquid, Class III-B.** This product may produce hazardous fumes or hazardous decomposition products. Heated containers may rupture, possibly violently, from the excessive heat in a fire.

- FIRE FIGHTING INSTRUCTIONS:** **EXTINGUISHING MEDIA:** Water fog, foam, CO<sub>2</sub> or dry chemicals.  
Use a water spray to cool the containers exposed to the heat of a fire. Do not direct a solid stream of water or foam into hot, burning pools of this product; this may cause frothing and increase the fire's intensity.
- FIRE FIGHTING EQUIPMENT:** Fire fighters should wear full protective equipment, including self-contained breathing apparatus.
- HAZARDOUS COMBUSTION PRODUCTS:** When heated to decomposition, it emits toxic carbon monoxide and carbon dioxide, with possibly some corrosive Acrolein, plus possibly highly irritating smoke.

**6. ACCIDENTAL RELEASE MEASURES**

- LAND SPILL:** Wearing recommended protective equipment and clothing, dike the spill and pick up the bulk of liquid using pumps or a vacuum truck for potential recovery and return to the appropriate container. Absorb the remaining liquid using sand or a commercial absorbent; dispose as non-hazardous solid waste. Flush the spill area with water; collect the rinsates for disposal or sewer, as appropriate.
- WATER SPILL:** Wear recommended protective equipment and clothing if contact with hazardous material can occur. Stop or divert water flow. Dike contaminated water and remove for disposal and/or treatment. As appropriate, notify all downstream users of possible contamination.

**7. HANDLING AND STORAGE****STORAGE TEMPERATURE:** Ambient**STORAGE PRESSURE:** Ambient

**GENERAL:** Store in a cool, dry, area away from incompatible materials and products. Protect eyes, skin and clothing from contact with this product. Wear recommended personnel protective equipment. Avoid breathing mists or aerosols. Use with adequate ventilation. Keep the container tightly closed when not in use. Wash thoroughly after handling this product.

The empty containers may be hazardous. They may contain organic residues that can be ignited and will burn. Do not cut, puncture or weld on or near these containers.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**CONTROL MEASURES:** Use a local or general, mechanical exhaust ventilation system capable of maintaining emissions, in the work area, below the ACGIH-TLV, OSHA-PEL or levels that may cause irritation.

**RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT**

**RESPIRATOR:** Respiratory protection is not normally required for this product. However, if use creates a mist or aerosol, then for exposures above the ACGIH-TLV, OSHA-PEL or levels that may cause irritation, wear a NIOSH approved full facepiece or half mask air-purifying cartridge respirator equipped with a good mist / particulate cartridge or supplied air.

**EYES:** Wear chemical goggles (recommended by ANSI Z87.1-1979), unless a full facepiece respirator is worn.

**GLOVES:** Wear Neoprene or Natural Rubber gloves when handling this material.

**CLOTHING & EQUIPMENT:** If splashing or contact is likely, wear a Neoprene or Natural Rubber apron when handling this product. An eye wash station and safety shower should be available in the work area.

**FOOTWEAR:** If contact is likely, wear Neoprene or Natural Rubber boots.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                 |                                                     |                                              |                                   |
|---------------------------------|-----------------------------------------------------|----------------------------------------------|-----------------------------------|
| <b>Appearance:</b>              | Clear, colorless                                    | <b>Bulk Density (pounds/m<sup>3</sup>):</b>  | Not applicable                    |
| <b>Physical State:</b>          | Liquid                                              | <b>Vapor Pressure:</b>                       | Less than 0.1 mm Hg @ 20° C.      |
| <b>Odor:</b>                    | No characteristic                                   | <b>Vapor Density (air=1):</b>                | 3.1 (Pure Glycerin)               |
| <b>Odor Threshold:</b>          | No data available                                   | <b>Evaporation Rate (n-Butyl Acetate=1):</b> | No data available                 |
| <b>Molecular Formula:</b>       | HOCH <sub>2</sub> CHOHCH <sub>2</sub> OH (in water) | <b>VOC Content:</b>                          | Nil                               |
| <b>Molecular Weight:</b>        | 92.11 (in water)                                    | <b>% Volatile:</b>                           | Approximately 3                   |
| <b>Boiling Point:</b>           | Pure Glycerine = 290° C. (554° F.)                  | <b>Solubility in H<sub>2</sub>O:</b>         | Complete                          |
| <b>Freezing/Melting Point:</b>  | Less than 18° C. (64° F.)                           | <b>Octanol/Water Partition Coefficient:</b>  | Log P <sub>ow</sub> : -2.66/-2.47 |
| <b>Specific Gravity:</b>        | Approximately 1.252 @ 20° C.                        | <b>pH (as is):</b>                           | No data available                 |
| <b>Density (pounds/gallon):</b> | Approximately 10.4                                  | <b>pH (1% solution):</b>                     | No data available                 |

**10. STABILITY AND REACTIVITY**

**GENERAL:** This product is stable and hazardous polymerization will not occur.

**CONDITIONS TO AVOID:** Avoid excessive heat and all sources of ignition.

**INCOMPATIBLE MATERIAL:** Strong acids and strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** When heated to decomposition, it emits toxic oxides of carbon with some corrosive Acrolein plus possibly highly irritating smoke.

**SENSITIVITY TO MECHANICAL IMPACT:** This product is not sensitive to mechanical impact.

**SENSITIVITY TO STATIC DISCHARGE:** This product is not sensitive to normal static discharge.

**11. TOXICOLOGICAL INFORMATION**

|                                        |                                                                                                                       |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Components:</b>                     | Glycerin                                                                                                              |
| <b>Eye Contact:</b>                    | Rabbit: 500 mg/24 hours; Mild                                                                                         |
| <b>Skin Contact:</b>                   | Rabbit: 500 mg/24 hours; Mild                                                                                         |
| <b>Oral Rat LD<sub>50</sub>:</b>       | 12,600 mg/kg                                                                                                          |
| <b>Dermal Rabbit LD<sub>50</sub>:</b>  | Greater than 10 g/mg                                                                                                  |
| <b>Inhalation Rat LC<sub>50</sub>:</b> | Greater than 570 mg/m <sup>3</sup> /1 hour                                                                            |
| <b>Human Data:</b>                     | Oral Human TD <sub>01</sub> : 1,428 mg/kg; Headache, Gastrointestinal effects                                         |
| <b>Other Toxicological Data:</b>       | Oral Mouse LD <sub>50</sub> : 4,080 mg/kg                                                                             |
| <b>Carcinogenicity:</b>                | No data available                                                                                                     |
| <b>Teratogenicity:</b>                 | Oral Rat TD <sub>01</sub> : 100 mg/kg (male 1 Day prior to mating) Effects on Fertility – Post-implantation mortality |
| <b>Mutagenicity:</b>                   | Human DNA Inhibition; Lymphocyte: 200 mmol/Liter                                                                      |
| <b>Synergistic Products:</b>           | None reported                                                                                                         |
| <b>Target Organs:</b>                  | Eyes, Skin, Mucous membranes, Lungs & Kidneys                                                                         |
| <b>Medical Conditions</b>              |                                                                                                                       |
| <b>Aggravated By Exposure:</b>         | Skin, Respiratory or Kidney disorders                                                                                 |

**12. ECOLOGICAL INFORMATION****ENVIRONMENTAL FATE:**

This product is completely soluble in water and it is expected to be biodegradable in both aerobic and anaerobic conditions. This product is not expected to affect the pH of water.

**ENVIRONMENTAL CONSIDERATIONS:**

The aquatic toxicity for Glycerin is: Goldfish LC<sub>50</sub> (24 hours) = Greater than 5,000 mg/liter (modified ASTM D 1345). Toxicity threshold (cell multiplication inhibition test): *Scenedesmus quadricauda* (green algae) = Greater than 10,000 mg/liter. Toxicity threshold for *Entosiphon sulcatum* (protozoa) = 3,200 mg/liter.

**13. DISPOSAL CONSIDERATIONS**

**RCRA 40 CFR 261 CLASSIFICATION:** Non-Hazardous Waste

**U.S. EPA WASTE NUMBER/DESCRIPTION:** Not applicable

If this product is disposed of as shipped, it does not meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of a hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D due to toxicity. As a non-hazardous liquid waste, it should be disposed of in accordance with all local, state, and federal regulations. Consult state or local officials for proper disposal method.

**14. TRANSPORTATION INFORMATION**

|                                                              |                                     |                |                             |                |
|--------------------------------------------------------------|-------------------------------------|----------------|-----------------------------|----------------|
| <b>DOT PROPER SHIPPING NAME:</b>                             | Not Restricted                      |                |                             |                |
|                                                              | <b>Hazard Class:</b>                | Not applicable | <b>UN Number:</b>           | Not applicable |
|                                                              | <b>Primary Label:</b>               | None Required  | <b>Subsidiary Label(s):</b> | None Required  |
|                                                              | <b>Primary/Subsidiary Placards:</b> | None Required  |                             |                |
| <b>DOT Reportable Quantity (RQ):</b>                         | Not listed                          |                | <b>RQ for Product:</b>      | Not applicable |
| <b>Marine Pollutant:</b>                                     | No                                  |                |                             |                |
| <b>2004 North American Emergency Response Guidebook No.:</b> | Not Restricted                      |                |                             |                |
| <b>TDG PROPER SHIPPING NAME:</b>                             | NOT RESTRICTED                      |                |                             |                |
|                                                              | <b>Hazard Class:</b>                | Not applicable | <b>UN Number:</b>           | Not applicable |
|                                                              | <b>Primary Label:</b>               | None Required  | <b>Subsidiary Label(s):</b> | None Required  |
|                                                              | <b>Primary/Subsidiary Placards:</b> | None Required  |                             |                |
| <b>TDG Reportable Quantity (RQ):<sup>#</sup></b>             | Not applicable                      |                |                             |                |
| <b>TDG Schedule XII:</b>                                     | Not listed                          |                |                             |                |
| <b>Regulated Limit (RL):<sup>##</sup></b>                    | Not listed                          |                | <b>RL for Product:</b>      | Not applicable |
| <b>Other Shipping Information:</b>                           | None                                |                |                             |                |

<sup>#</sup> Canadian Transportation of Dangerous Goods Regulations (TDGR), Part IX, Table 1, Quantities or levels for immediate reporting: releases of reportable quantities, RQ, that meet the definition of a "dangerous occurrence" (a threat to life, health, property, or the environment) must be reported to the appropriate authorities as outlined in TDGR 9.13(1) and 9.14(1).

<sup>##</sup> Reporting to Environment Canada is required for any releases exceeding the regulated limits, RL, of 8.2 materials (primary or secondary). The regulated limits are found in Schedule XII of the TDGR.

**15. REGULATORY INFORMATION****COMPONENTS:****Glycerin****OSHA Target Organs:**

Eyes, Skin, Mucous membranes, Lungs &amp; Kidneys

**Carcinogenic Potential:**

Regulated by OSHA: No  
 Listed on NTP Report: No  
 Listed by IARC: No  
 IARC Group: Not applicable  
 ACGIH Appendix A: Not listed  
 A1 Confirmed Human: Not applicable  
 A2 Suspected Human: Not applicable

**U.S. EPA Requirements****Release Reporting****CERCLA (40 CFR 302)**

Listed Substance: Not listed  
 Reportable Quantity: Not applicable  
 Category: Not applicable  
 RCRA Waste No.: Not applicable  
 Unlisted Substance: Not applicable  
 Reportable Quantity: Not applicable  
 Characteristic: Not applicable  
 RCRA Waste No.: Not applicable

**SARA TITLE III****Section 302 & 303 (40 CFR 355):**

Listed Substance: Not listed  
 Reportable Quantity: Not applicable  
 Planning Threshold: Not applicable

**Section 311 & 312 (40 CFR 370):**

Hazard Categories (product): Fire: **N** Sudden Release of Pressure: **N** Reactive: **N** Acute Health: **N** Chronic Health: **N**  
 Planning threshold: 10,000 pounds

**Section 313 (40 CFR 372):**

Listed Toxic Chemical: Not listed  
 Reporting Threshold: Not applicable

**U.S. TSCA Status**

Listed (40 CFR 710): Yes

**State Regulations****State of California: Safe Drinking Water and Toxins Enforcement Act, 1985 (Proposition 65):**

Carcinogen: No  
 Reproductive Toxin: No

**Other Regulations**

State Right To Know Laws: MA, PA

**Canadian Regulations****Product Information:**

Controlled Product: Yes  
 WHMIS Hazard Symbols: Material Causing Other Toxic Effects  
 WHMIS Class & Division: 0.2B

**Ingredient Information:**

IDL Substance: No  
 DSL or NDSL Lists: DSL

PRODUCT IDENTIFIER: **Glycerine 96% - 99.5%**

page 6 of 6

**10. OTHER INFORMATION****EPA Registration number:** Not applicable**Approved Product Uses:** Not applicable**Special Notes:**

This product does not contain any substances, which the State of California has found to cause cancer and/or birth defects or other reproductive harm.

**Special Instructions:**

Store Glycerine 96% - 99.5% in a cool, dry area away from incompatible materials and products.

The empty containers may be hazardous. They may contain organic residues that can be ignited and will burn. Do not cut, puncture or weld on or near these containers.

**MSDS Revision Information:** Information Revised This Issue Date: **New product MSDS.**

Form Revision made 12/13/05

**MSDS Distributed by:** Brenntag Pacific, Inc.

NW Environmental Department

Phone: 503-242-0200 FAX: 503-412-3390

**Prepared By:** Edward Doheny**Date Prepared:** November 17, 2008

This Material Safety Data Sheet is provided as an information resource only. It should not be taken as a warranty or representation for which Brenntag Pacific, Inc. assumes legal responsibility. While Brenntag Pacific, Inc. believes the information contained herein is accurate and compiled from sources believed to be reliable, it is the responsibility of the user to investigate and verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with applicable federal, state, and local regulations.

THANK YOU FOR YOUR ORDER... ANY QUESTIONS REGARDING THIS ORDER,  
CALL 1-(800) 766-7000 TO SPEAK TO A CUSTOMER SERVICE REPRESENTATIVE

ORDER NBR: A90975709      ACCT NBR: 953755-001      ORDER DATE: APR 07, 2009  
CUST PURCH NBR: 22289090108      REL NBR:  
CALLER: CHRISTOPHER PATRICK      PHONE NBR: (909)381-1674

SHIP TO: TETRA TECH INC      SOLD TO: TETRA TECH INC  
348 W HOSPITALITY LN      348 W HOSPITALITY LN  
STE 100      STE 100  
  
SAN BERNARDINO CA 92408      SAN BERNARDINO CA 92408  
ATTN: CHRISTOPHER PATRICK

| LN  | QTY | UN | CATALOG NBR | DESCRIPTION                                                                                                         | UNIT PRC | TOTAL AMT |
|-----|-----|----|-------------|---------------------------------------------------------------------------------------------------------------------|----------|-----------|
| 001 | 4   | EA | S799011     | AMMONIUM PHOS 500G DIBASIC<br>3 SHIPPING FROM EMW<br>1 BACKORDERED<br>ESTIMATED DELIVERY DATE 04/28/09              | 22.00    | 88.00     |
|     |     |    |             | MERCHANDISE TOTAL:                                                                                                  |          | 88.00     |
|     |     |    |             | THE INVOICE AMOUNT MAY INCLUDE TRANSPORTATION, TAX, AND<br>OTHER MISC ORDER CHARGES AS DETERMINED BY YOUR CONTRACT. |          |           |



# Material Safety Data Sheet

## Ammonium phosphate, dibasic

ACC# 01350

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** Ammonium phosphate, dibasic**Catalog Numbers:** AC201820000, AC201822500, AC201825000, AC423370000, AC423370050, 42337-5000, A686-500, A686500LC, BP361-500**Synonyms:** Diammonium hydrogen phosphate; DAP.**Company Identification:**Fisher Scientific  
1 Reagent Lane  
Fair Lawn, NJ 07410**For information, call:** 201-796-7100**Emergency Number:** 201-796-7100**For CHEMTREC assistance, call:** 800-424-9300**For International CHEMTREC assistance, call:** 703-527-3887

### Section 2 - Composition, Information on Ingredients

| CAS#      | Chemical Name               | Percent | EINECS/ELINCS |
|-----------|-----------------------------|---------|---------------|
| 7783-28-0 | Ammonium phosphate, dibasic | 99+     | 231-987-8     |

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Appearance: white solid.

**Warning!** Causes eye, skin, and respiratory tract irritation.**Target Organs:** Respiratory system, eyes, skin.**Potential Health Effects****Eye:** Causes eye irritation.**Skin:** Causes skin irritation. May be harmful if absorbed through the skin.**Ingestion:** May cause irritation of the digestive tract. May be harmful if swallowed.**Inhalation:** Causes respiratory tract irritation. May be harmful if inhaled.**Chronic:** No information found.

### Section 4 - First Aid Measures

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.**Skin:** Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** Do not induce vomiting. Get medical aid.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:** Treat symptomatically and supportively.

## Section 5 - Fire Fighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Substance is noncombustible.

**Extinguishing Media:** Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

**Flash Point:** Not applicable.

**Autoignition Temperature:** Not applicable.

**Explosion Limits, Lower:** Not available.

**Upper:** Not available.

**NFPA Rating:** (estimated) Health: 2; Flammability: 0; Instability: 1

## Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment.

## Section 7 - Handling and Storage

**Handling:** Use with adequate ventilation. Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale.

**Storage:** Store in a cool, dry place. Store in a tightly closed container.

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

### Exposure Limits

| Chemical Name               | ACGIH       | NIOSH       | OSHA - Final PELs |
|-----------------------------|-------------|-------------|-------------------|
| Ammonium phosphate, dibasic | none listed | none listed | none listed       |

**OSHA Vacated PELs:** Ammonium phosphate, dibasic: No OSHA Vacated PELs are listed for this chemical.

### Personal Protective Equipment

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

## Section 9 - Physical and Chemical Properties

**Physical State:** Solid

**Appearance:** white

**Odor:** Not available.

**pH:** 7.9 - 8.3 (5% aq.sol. 20°C)

**Vapor Pressure:** Not available.

**Vapor Density:** Not available.

**Evaporation Rate:** Not available.

**Viscosity:** Not applicable.

**Boiling Point:** Not available.

**Freezing / Melting Point:** Not available.

**Decomposition Temperature:** 100 deg C

**Solubility:** 58 g/100mL (20°C)

**Specific Gravity / Density:** 1.619

**Molecular Formula:** (NH<sub>4</sub>)<sub>2</sub>HPO<sub>4</sub>

**Molecular Weight:** 132.06

## Section 10 - Stability and Reactivity

**Chemical Stability:** Air sensitive.

**Conditions to Avoid:** Incompatible materials, dust generation, exposure to air, excess heat.

**Incompatibilities with Other Materials:** Strong oxidizing agents, strong acids, sodium hypochlorite.

**Hazardous Decomposition Products:** Nitrogen oxides, oxides of phosphorus, ammonia.

**Hazardous Polymerization:** Has not been reported.

## Section 11 - Toxicological Information

**RTECS#:**

**CAS#** 7783-28-0 unlisted.

**LD50 / LC50:**

Not available.

**Carcinogenicity:**

CAS# 7783-28-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Epidemiology:** No information found

**Teratogenicity:** No information found

**Reproductive Effects:** No information found

**Mutagenicity:** No information found

**Neurotoxicity:** No information found

**Other Studies:**

|                                            |
|--------------------------------------------|
| <b>Section 12 - Ecological Information</b> |
|--------------------------------------------|

**Ecotoxicity:** No data available. No information available.

**Environmental:** No information available.

**Physical:** No information available.

**Other:** Do not empty into drains.

|                                             |
|---------------------------------------------|
| <b>Section 13 - Disposal Considerations</b> |
|---------------------------------------------|

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

|                                           |
|-------------------------------------------|
| <b>Section 14 - Transport Information</b> |
|-------------------------------------------|

|                       | US DOT        | Canada TDG    |
|-----------------------|---------------|---------------|
| <b>Shipping Name:</b> | Not regulated | Not Regulated |
| <b>Hazard Class:</b>  |               |               |
| <b>UN Number:</b>     |               |               |
| <b>Packing Group:</b> |               |               |

|                                            |
|--------------------------------------------|
| <b>Section 15 - Regulatory Information</b> |
|--------------------------------------------|

**US FEDERAL****TSCA**

CAS# 7783-28-0 is listed on the TSCA inventory.

**Health & Safety Reporting List**

None of the chemicals are on the Health & Safety Reporting List.

**Chemical Test Rules**

None of the chemicals in this product are under a Chemical Test Rule.

**Section 12b**

None of the chemicals are listed under TSCA Section 12b.

**TSCA Significant New Use Rule**

None of the chemicals in this material have a SNUR under TSCA.

**CERCLA Hazardous Substances and corresponding RQs**

None of the chemicals in this material have an RQ.

**SARA Section 302 Extremely Hazardous Substances**

None of the chemicals in this product have a TPQ.

**SARA Codes**

CAS # 7783-28-0: immediate.

**Section 313** No chemicals are reportable under Section 313.

**Clean Air Act:**

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

**Clean Water Act:**

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**OSHA:**

None of the chemicals in this product are considered highly hazardous by OSHA.

**STATE**

CAS# 7783-28-0 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

**California Prop 65**

California No Significant Risk Level: None of the chemicals in this product are listed.

**European / International Regulations****European Labeling in Accordance with EC Directives****Hazard Symbols:**

XI

**Risk Phrases:**

R 36/37/38 Irritating to eyes, respiratory system and skin.

**Safety Phrases:**

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37/39 Wear suitable gloves and eye/face protection.

**WGK (Water Danger / Protection)**

CAS# 7783-28-0: 1

**Canada - DSL / NDSL**

CAS# 7783-28-0 is listed on Canada's DSL List.

**Canada - WHMIS**

not available.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

**Canadian Ingredient Disclosure List**

CAS# 7783-28-0 is not listed on the Canadian Ingredient Disclosure List.

**Section 16 - Additional Information**

**MSDS Creation Date:** 7/19/1999

**Revision #9 Date:** 2/11/2008

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.*





**E.S.BABCOCK & Sons, Inc.**  
Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 1 of 5  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9A0768**

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

### Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u>                     | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u>           | <u>Date Submitted</u> | <u>By</u>           |
|---------------------|---------------------------------------------|---------------|---------------------|---------------------|-----------------------|---------------------|
| A9A0768-01          | Disposal Water Container Beaumont Site<br>2 | Liquid        | 01/09/09 15:00      | Fernando<br>Ramirez | 01/09/09 16:44        | Fernando<br>Ramirez |





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Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 2 of 5  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9A0768**

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Laboratory Reference Number

**A9A0768-01**

| <u>Sample Description</u>                | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
|------------------------------------------|---------------|--------------------------|---------------------------|
| Disposal Water Container Beaumont Site 2 | Liquid        | 01/09/09 15:00           | 01/09/09 16:44            |

| Analyte(s)                        | Result | RDL | MDL | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------|--------|-----|-----|-------|-----------|----------------|---------|------|
| General Inorganics<br>Perchlorate | 3100   | 100 | 71  | ug/L* | EPA 332.0 | 01/13/09 07:36 | aa      |      |



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Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
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Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 3 of 5  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9A0768**

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**General Inorganics - Batch Quality Control**

| Analyte(s)                                  | Result | RDL  | MDL   | Units | Spike Level                                              | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Flag |
|---------------------------------------------|--------|------|-------|-------|----------------------------------------------------------|---------------|------|-------------|-------|-----------|------|
| <b>Batch 9A10004 - Analyzed as received</b> |        |      |       |       |                                                          |               |      |             |       |           |      |
| <b>Blank (9A10004-BLK1)</b>                 |        |      |       |       | Prepared: 01/10/09 Analyzed: 01/13/09                    |               |      |             |       |           |      |
| Perchlorate                                 | ND     | 0.10 | 0.071 | ug/L* |                                                          |               |      |             |       |           |      |
| <b>LCS (9A10004-BS1)</b>                    |        |      |       |       | Prepared: 01/10/09 Analyzed: 01/13/09                    |               |      |             |       |           |      |
| Perchlorate                                 | 4.82   | 0.10 | 0.071 | ug/L* | 5.00                                                     |               | 96.3 | 80-120      |       |           |      |
| <b>Duplicate (9A10004-DUP1)</b>             |        |      |       |       | Source: A9A0543-01 Prepared: 01/10/09 Analyzed: 01/13/09 |               |      |             |       |           |      |
| Perchlorate                                 | 29.1   | 0.50 | 0.35  | ug/L* |                                                          | 29.9          |      |             | 2.81  | 40        |      |
| <b>Matrix Spike (9A10004-MS1)</b>           |        |      |       |       | Source: A9A0543-01 Prepared: 01/10/09 Analyzed: 01/13/09 |               |      |             |       |           |      |
| Perchlorate                                 | 51.2   | 0.50 | 0.35  | ug/L* | 25.0                                                     | 29.9          | 85.2 | 75-120      |       |           |      |
| <b>Matrix Spike Dup (9A10004-MSD1)</b>      |        |      |       |       | Source: A9A0543-01 Prepared: 01/10/09 Analyzed: 01/13/09 |               |      |             |       |           |      |
| Perchlorate                                 | 51.6   | 0.50 | 0.35  | ug/L* | 25.0                                                     | 29.9          | 86.9 | 75-120      | 0.799 | 40        |      |



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Analytical Report: Page 4 of 5  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9A0768**

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

## Notes and Definitions

ND: Analyte NOT DETECTED at or above the Method Detection Limit (**if MDL is reported**), otherwise at or above the Reportable Detection Limit (RDL)  
NR: Not Reported  
RDL: Reportable Detection Limit  
MDL: Method Detection Limit

\* / (Non-NELAP): NELAP does not offer accreditation for this analyte/method/matrix combination

---

## Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

---

Lawrence J. Chrystal For Humaira Saleem

Project Manager

cc:

ESB\_md1\_PDF Report

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

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

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NELAP no, 02101CA  
CA ELAP no. 1156  
EPA no. CA00102



E.S.BABCOCK & Sons, Inc.

Environmental Laboratories est. 1906

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Analytical Report: Page 5 of 5  
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# CHAIN OF CUSTODY RECORD

TETRA TECH, INC.

348 W. Hospitality Lane, Suite 100  
San Bernardino, California 92408  
Telephone: (909) 381-1674  
FAX: (909) 889-1391



SHIP TO: E.S. Babcock & Sons

DATE 1/9/09 PAGE 1 OF 1

| CLIENT: <u>Lockheed Martin Corp</u>    |                          |            |      | PARAMETERS          |   |               |   | TURN-AROUND TIME      |                                |
|----------------------------------------|--------------------------|------------|------|---------------------|---|---------------|---|-----------------------|--------------------------------|
| PROJECT NAME: <u>Baumgart Site 2</u>   |                          |            |      | CONTAINER TYPE      |   |               |   | PRESERVATIVE          |                                |
| PROJECT MANAGER: <u>Mark Feldman</u>   |                          |            |      | MATRIX TYPE         |   |               |   | OBSERVATIONS/COMMENTS |                                |
| TO # <u>22281-090104</u>               |                          |            |      | FILTERED/UNFILTERED |   |               |   |                       |                                |
| SAMPLERS SIGNATURE: <u>[Signature]</u> |                          |            |      |                     |   |               |   |                       |                                |
| LINE                                   | ITEM                     | SAMPLE NO. | DATE | TIME                |   |               |   |                       |                                |
| 1.                                     | Recharge water container | 1-9-09     | 1500 |                     | X | TPHgd         | X | UNW 96/8              | HCL/NR/HNO <sub>3</sub>        |
| 2.                                     |                          |            |      |                     | X | CAM 17 METALS | X |                       | H <sub>2</sub> SO <sub>4</sub> |
| 3.                                     | TR-D10809                | 1-9-09     | 1515 |                     | X |               |   | UNW 61                |                                |
| 4.                                     |                          |            |      |                     |   |               |   |                       |                                |
| 5.                                     |                          |            |      |                     |   |               |   |                       |                                |
| 6.                                     |                          |            |      |                     |   |               |   |                       |                                |
| 7.                                     |                          |            |      |                     |   |               |   |                       |                                |
| 8.                                     |                          |            |      |                     |   |               |   |                       |                                |
| 9.                                     |                          |            |      |                     |   |               |   |                       |                                |
| 10.                                    |                          |            |      |                     |   |               |   |                       |                                |

DISTRIBUTION: White and Pink = Tetra Tech, Inc. Canary = Laboratory

A9A0768#6 JAN -9 2009

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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 1 of 18  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9A0762**

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

### Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u>                  | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u>        | <u>Date Submitted</u> | <u>By</u>        |
|---------------------|------------------------------------------|---------------|---------------------|------------------|-----------------------|------------------|
| A9A0762-01          | Disposal Water Container Beaumont Site 2 | Liquid        | 01/09/09 15:00      | Fernando Ramirez | 01/09/09 16:44        | Fernando Ramirez |
| A9A0762-02          | TB-010909 Beaumont Site 2                | Liquid        | 01/09/09 15:15      | Fernando Ramirez | 01/09/09 16:44        | Fernando Ramirez |



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Client Name: Tetra Tech, Inc. - San Bernardino  
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Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 2 of 18  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9A0762**

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Laboratory Reference Number

**A9A0762-01**

|                                          |               |                          |                           |
|------------------------------------------|---------------|--------------------------|---------------------------|
| <u>Sample Description</u>                | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
| Disposal Water Container Beaumont Site 2 | Liquid        | 01/09/09 15:00           | 01/09/09 16:44            |

| Analyte(s)                                     | Result  | RDL      | MDL     | Units | Method    | Analysis Date  | Analyst | Flag  |
|------------------------------------------------|---------|----------|---------|-------|-----------|----------------|---------|-------|
| <b>Metals and Metalloids</b>                   |         |          |         |       |           |                |         |       |
| Mercury                                        | 0.00028 | 0.0050   | 0.00016 | mg/L  | EPA 200.8 | 01/13/09 12:28 | ap      | J     |
| <b>Metals and Metalloids; EPA SW846 Series</b> |         |          |         |       |           |                |         |       |
| Antimony                                       | ND      | 0.030    | 0.015   | mg/L  | EPA 6020  | 01/13/09 12:28 | ap      |       |
| Arsenic                                        | 0.031   | 0.010    | 0.0081  | mg/L  | EPA 6020  | 01/13/09 14:23 | krv     |       |
| Barium                                         | 1.3     | 0.50     | 0.00028 | mg/L  | EPA 6020  | 01/13/09 12:28 | ap      |       |
| Beryllium                                      | 0.0045  | 0.0050   | 0.00086 | mg/L  | EPA 6020  | 01/13/09 12:28 | ap      | J     |
| Cadmium                                        | 0.00045 | 0.0050   | 0.00039 | mg/L  | EPA 6020  | 01/13/09 12:28 | ap      | J     |
| Total Chromium                                 | 0.24    | 0.050    | 0.0025  | mg/L  | EPA 6020  | 01/13/09 17:04 | ap      |       |
| Cobalt                                         | 0.050   | 0.050    | 0.0014  | mg/L  | EPA 6020  | 01/13/09 12:28 | ap      |       |
| Copper                                         | 0.13    | 0.050    | 0.0095  | mg/L  | EPA 6020  | 01/13/09 12:28 | ap      |       |
| Lead                                           | 0.045   | 0.025    | 0.00042 | mg/L  | EPA 6020  | 01/13/09 12:28 | ap      |       |
| Molybdenum                                     | 0.088   | 0.050    | 0.0045  | mg/L  | EPA 6020  | 01/13/09 12:28 | ap      |       |
| Nickel                                         | 0.088   | 0.050    | 0.0075  | mg/L  | EPA 6020  | 01/13/09 12:28 | ap      |       |
| Selenium                                       | ND      | 0.025    | 0.012   | mg/L  | EPA 6020  | 01/13/09 14:23 | krv     |       |
| Silver                                         | ND      | 0.050    | 0.025   | mg/L  | EPA 6020  | 01/13/09 12:28 | ap      |       |
| Thallium                                       | ND      | 0.0050   | 0.0049  | mg/L  | EPA 6020  | 01/13/09 12:28 | ap      |       |
| Vanadium                                       | 0.29    | 0.050    | 0.013   | mg/L  | EPA 6020  | 01/13/09 17:04 | ap      |       |
| Zinc                                           | 0.25    | 0.050    | 0.0070  | mg/L  | EPA 6020  | 01/13/09 12:28 | ap      |       |
| <b>Diesel Range Organics by EPA 8015</b>       |         |          |         |       |           |                |         |       |
| Diesel Range Hydrocarbons                      | ND      | 2.0      | 0.46    | mg/L  | EPA 8015B | 01/13/09 03:13 | cth     |       |
| Surrogate: Decachlorobiphenyl                  | 89.3    | % 56-117 |         |       | EPA 8015B | 01/13/09 03:13 | cth     |       |
| <b>Gasoline Range Organics by EPA 8015</b>     |         |          |         |       |           |                |         |       |
| Gasoline Range Organics                        | ND      | 0.050    | 0.024   | mg/L  | EPA 8015B | 01/12/09 23:19 | CTH     | NRPDo |
| Surrogate: a,a,a-Trifluorotoluene              | 90.1    | % 50-150 |         |       | EPA 8015B | 01/12/09 23:19 | CTH     |       |



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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 3 of 18  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9A0762**

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Laboratory Reference Number  
**A9A0762-01**

|                                          |               |                          |                           |
|------------------------------------------|---------------|--------------------------|---------------------------|
| <u>Sample Description</u>                | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
| Disposal Water Container Beaumont Site 2 | Liquid        | 01/09/09 15:00           | 01/09/09 16:44            |

| Analyte(s)                              | Result | RDL  | MDL   | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------------|--------|------|-------|-------|-----------|----------------|---------|------|
| Volatile Organic Compounds by EPA 8260B |        |      |       |       |           |                |         |      |
| 1,1,1-Trichloroethane                   | ND     | 0.50 | 0.12  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| 1,1,2,2-Tetrachloroethane               | ND     | 0.50 | 0.29  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| 1,1,2-Trichloroethane                   | ND     | 0.50 | 0.31  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| 1,1-Dichloroethane                      | ND     | 0.50 | 0.098 | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| 1,1-Dichloroethene                      | ND     | 0.50 | 0.12  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| 1,2-Dichlorobenzene                     | ND     | 0.50 | 0.20  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| 1,2-Dichloroethane                      | ND     | 0.50 | 0.21  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| 1,2-Dichloropropane                     | ND     | 0.50 | 0.19  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| 1,3-Dichlorobenzene                     | ND     | 0.50 | 0.15  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| 1,4-Dichlorobenzene                     | ND     | 0.50 | 0.072 | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| 2-Butanone(MEK)                         | ND     | 3.0  | 1.2   | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| 2-Hexanone                              | ND     | 5.0  | 1.2   | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| 4-Methyl-2-Pentanone(MIBK)              | ND     | 5.0  | 0.95  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Acetone                                 | ND     | 5.0  | 5.0   | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Benzene                                 | ND     | 0.50 | 0.14  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Bromodichloromethane                    | ND     | 0.50 | 0.11  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Bromoform                               | ND     | 0.50 | 0.13  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Bromomethane                            | ND     | 0.50 | 0.48  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Carbon Disulfide                        | ND     | 0.50 | 0.36  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Carbon Tetrachloride                    | ND     | 0.50 | 0.15  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Chlorobenzene                           | ND     | 0.50 | 0.23  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Chloroethane                            | ND     | 0.50 | 0.35  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Chloroform                              | ND     | 0.50 | 0.17  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Chloromethane                           | ND     | 0.50 | 0.36  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| cis-1,2-Dichloroethene                  | ND     | 0.50 | 0.18  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| cis-1,3-Dichloropropene                 | ND     | 0.50 | 0.30  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Dibromochloromethane                    | ND     | 0.50 | 0.37  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Ethylbenzene                            | ND     | 0.50 | 0.26  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Methyl tert Butyl Ether                 | ND     | 5.0  | 0.29  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Methylene Chloride                      | ND     | 3.0  | 0.15  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Styrene                                 | ND     | 0.50 | 0.22  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Tetrachloroethene                       | ND     | 0.50 | 0.17  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Toluene                                 | ND     | 0.50 | 0.22  | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |

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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 4 of 18  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9A0762**

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Laboratory Reference Number  
**A9A0762-01**

| <u>Sample Description</u>                | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
|------------------------------------------|---------------|--------------------------|---------------------------|
| Disposal Water Container Beaumont Site 2 | Liquid        | 01/09/09 15:00           | 01/09/09 16:44            |

| Analyte(s)                              | Result | RDL  | MDL    | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------------|--------|------|--------|-------|-----------|----------------|---------|------|
| Volatile Organic Compounds by EPA 8260B |        |      |        |       |           |                |         |      |
| trans-1,2-Dichloroethene                | ND     | 0.50 | 0.10   | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| trans-1,3-Dichloropropene               | ND     | 0.50 | 0.24   | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Trichloroethene                         | ND     | 0.50 | 0.17   | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Trichlorofluoromethane                  | ND     | 5.0  | 0.16   | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Vinyl Acetate                           | ND     | 10   | 0.48   | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Vinyl Chloride                          | ND     | 0.50 | 0.13   | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Xylenes (m+p)                           | ND     | 0.50 | 0.36   | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Xylenes (ortho)                         | ND     | 0.50 | 0.41   | ug/L  | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Surrogate: 1,2-Dichloroethane-d4        | 109    | %    | 80-124 |       | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Surrogate: Bromofluorobenzene           | 105    | %    | 71-149 |       | EPA 8260B | 01/12/09 23:53 | jes     |      |
| Surrogate: Toluene-d8                   | 98.4   | %    | 80-120 |       | EPA 8260B | 01/12/09 23:53 | jes     |      |





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San Bernardino, CA 92408-3216

Analytical Report: Page 5 of 18  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9A0762**

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Laboratory Reference Number

**A9A0762-02**

|                           |               |                          |                           |
|---------------------------|---------------|--------------------------|---------------------------|
| <u>Sample Description</u> | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
| TB-010909 Beaumont Site 2 | Liquid        | 01/09/09 15:15           | 01/09/09 16:44            |

| Analyte(s)                              | Result | RDL  | MDL   | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------------|--------|------|-------|-------|-----------|----------------|---------|------|
| Volatile Organic Compounds by EPA 8260B |        |      |       |       |           |                |         |      |
| 1,1,1-Trichloroethane                   | ND     | 0.50 | 0.12  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| 1,1,2,2-Tetrachloroethane               | ND     | 0.50 | 0.29  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| 1,1,2-Trichloroethane                   | ND     | 0.50 | 0.31  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| 1,1-Dichloroethane                      | ND     | 0.50 | 0.098 | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| 1,1-Dichloroethene                      | ND     | 0.50 | 0.12  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| 1,2-Dichlorobenzene                     | ND     | 0.50 | 0.20  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| 1,2-Dichloroethane                      | ND     | 0.50 | 0.21  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| 1,2-Dichloropropane                     | ND     | 0.50 | 0.19  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| 1,3-Dichlorobenzene                     | ND     | 0.50 | 0.15  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| 1,4-Dichlorobenzene                     | ND     | 0.50 | 0.072 | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| 2-Butanone(MEK)                         | ND     | 3.0  | 1.2   | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| 2-Hexanone                              | ND     | 5.0  | 1.2   | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| 4-Methyl-2-Pentanone(MIBK)              | ND     | 5.0  | 0.95  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Acetone                                 | ND     | 5.0  | 5.0   | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Benzene                                 | ND     | 0.50 | 0.14  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Bromodichloromethane                    | ND     | 0.50 | 0.11  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Bromoform                               | ND     | 0.50 | 0.13  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Bromomethane                            | ND     | 0.50 | 0.48  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Carbon Disulfide                        | ND     | 0.50 | 0.36  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Carbon Tetrachloride                    | ND     | 0.50 | 0.15  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Chlorobenzene                           | ND     | 0.50 | 0.23  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Chloroethane                            | ND     | 0.50 | 0.35  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Chloroform                              | ND     | 0.50 | 0.17  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Chloromethane                           | ND     | 0.50 | 0.36  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| cis-1,2-Dichloroethene                  | ND     | 0.50 | 0.18  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| cis-1,3-Dichloropropene                 | ND     | 0.50 | 0.30  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Dibromochloromethane                    | ND     | 0.50 | 0.37  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Ethylbenzene                            | ND     | 0.50 | 0.26  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Methyl tert Butyl Ether                 | ND     | 5.0  | 0.29  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Methylene Chloride                      | ND     | 3.0  | 0.15  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Styrene                                 | ND     | 0.50 | 0.22  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Tetrachloroethene                       | ND     | 0.50 | 0.17  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Toluene                                 | ND     | 0.50 | 0.22  | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |



**E.S.BABCOCK & Sons, Inc.**  
Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 6 of 18  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9A0762**

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Laboratory Reference Number  
**A9A0762-02**

| <u>Sample Description</u> | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
|---------------------------|---------------|--------------------------|---------------------------|
| TB-010909 Beaumont Site 2 | Liquid        | 01/09/09 15:15           | 01/09/09 16:44            |

| Analyte(s)                              | Result | RDL  | MDL    | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------------|--------|------|--------|-------|-----------|----------------|---------|------|
| Volatile Organic Compounds by EPA 8260B |        |      |        |       |           |                |         |      |
| trans-1,2-Dichloroethene                | ND     | 0.50 | 0.10   | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| trans-1,3-Dichloropropene               | ND     | 0.50 | 0.24   | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Trichloroethene                         | ND     | 0.50 | 0.17   | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Trichlorofluoromethane                  | ND     | 5.0  | 0.16   | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Vinyl Acetate                           | ND     | 10   | 0.48   | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Vinyl Chloride                          | ND     | 0.50 | 0.13   | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Xylenes (m+p)                           | ND     | 0.50 | 0.36   | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Xylenes (ortho)                         | ND     | 0.50 | 0.41   | ug/L  | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Surrogate: 1,2-Dichloroethane-d4        | 110    | %    | 80-124 |       | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Surrogate: Bromofluorobenzene           | 106    | %    | 71-149 |       | EPA 8260B | 01/12/09 23:22 | jes     |      |
| Surrogate: Toluene-d8                   | 98.2   | %    | 80-120 |       | EPA 8260B | 01/12/09 23:22 | jes     |      |



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Client Name: Tetra Tech, Inc. - San Bernardino  
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Analytical Report: Page 7 of 18  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9A0762**

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Metals and Metalloids - Batch Quality Control**

| Analyte(s)                                | Result  | RDL    | MDL      | Units | Spike Level                                              | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Flag |
|-------------------------------------------|---------|--------|----------|-------|----------------------------------------------------------|---------------|------|-------------|-------|-----------|------|
| <b>Batch 9A12042 - EPA 3015A SOP M02A</b> |         |        |          |       |                                                          |               |      |             |       |           |      |
| <b>Blank (9A12042-BLK1)</b>               |         |        |          |       | Prepared: 01/12/09 Analyzed: 01/13/09                    |               |      |             |       |           |      |
| Mercury                                   | ND      | 0.0010 | 0.000032 | mg/L  |                                                          |               |      |             |       |           |      |
| <b>LCS (9A12042-BS1)</b>                  |         |        |          |       | Prepared: 01/12/09 Analyzed: 01/13/09                    |               |      |             |       |           |      |
| Mercury                                   | 0.00315 | 0.0010 | 0.000032 | mg/L  | 0.00334                                                  |               | 94.4 | 85-115      |       |           |      |
| <b>Matrix Spike (9A12042-MS1)</b>         |         |        |          |       | Source: A9A0762-01 Prepared: 01/12/09 Analyzed: 01/13/09 |               |      |             |       |           |      |
| Mercury                                   | 0.0155  | 0.0050 | 0.00016  | mg/L  | 0.0167                                                   | 0.000280      | 90.9 | 75-125      |       |           |      |
| <b>Matrix Spike Dup (9A12042-MSD1)</b>    |         |        |          |       | Source: A9A0762-01 Prepared: 01/12/09 Analyzed: 01/13/09 |               |      |             |       |           |      |
| Mercury                                   | 0.0156  | 0.0050 | 0.00016  | mg/L  | 0.0167                                                   | 0.000280      | 91.5 | 75-125      | 0.668 | 20        |      |

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Analytical Report: Page 8 of 18  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9A0762**

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Metals and Metalloids; EPA SW846 Series - Batch Quality Control**

| Analyte(s)                                | Result    | RDL    | MDL      | Units | Spike Level | Source Result                         | %REC | %REC Limits | RPD | RPD Limit | Flag    |
|-------------------------------------------|-----------|--------|----------|-------|-------------|---------------------------------------|------|-------------|-----|-----------|---------|
| <b>Batch 9A12042 - EPA 3015A SOP M02A</b> |           |        |          |       |             |                                       |      |             |     |           |         |
| <b>Blank (9A12042-BLK1)</b>               |           |        |          |       |             | Prepared: 01/12/09 Analyzed: 01/13/09 |      |             |     |           |         |
| Antimony                                  | ND        | 0.0060 | 0.0030   | mg/L  |             |                                       |      |             |     |           |         |
| Arsenic                                   | ND        | 0.0020 | 0.0016   | mg/L  |             |                                       |      |             |     |           |         |
| Barium                                    | 0.0000982 | 0.10   | 0.000056 | mg/L  |             |                                       |      |             |     |           | J       |
| Beryllium                                 | ND        | 0.0010 | 0.00017  | mg/L  |             |                                       |      |             |     |           |         |
| Cadmium                                   | ND        | 0.0010 | 0.000077 | mg/L  |             |                                       |      |             |     |           |         |
| Total Chromium                            | 0.00866   | 0.010  | 0.00050  | mg/L  |             |                                       |      |             |     |           | QBLK, J |
| Cobalt                                    | ND        | 0.010  | 0.00028  | mg/L  |             |                                       |      |             |     |           |         |
| Copper                                    | ND        | 0.010  | 0.0019   | mg/L  |             |                                       |      |             |     |           |         |
| Lead                                      | ND        | 0.0050 | 0.000084 | mg/L  |             |                                       |      |             |     |           |         |
| Molybdenum                                | ND        | 0.010  | 0.00090  | mg/L  |             |                                       |      |             |     |           |         |
| Nickel                                    | ND        | 0.010  | 0.0015   | mg/L  |             |                                       |      |             |     |           |         |
| Selenium                                  | ND        | 0.0050 | 0.0025   | mg/L  |             |                                       |      |             |     |           |         |
| Silver                                    | ND        | 0.010  | 0.0050   | mg/L  |             |                                       |      |             |     |           |         |
| Thallium                                  | ND        | 0.0010 | 0.00098  | mg/L  |             |                                       |      |             |     |           |         |
| Vanadium                                  | ND        | 0.010  | 0.0027   | mg/L  |             |                                       |      |             |     |           |         |
| Zinc                                      | 0.00624   | 0.010  | 0.0014   | mg/L  |             |                                       |      |             |     |           | QBLK, J |
| <b>LCS (9A12042-BS1)</b>                  |           |        |          |       |             | Prepared: 01/12/09 Analyzed: 01/13/09 |      |             |     |           |         |
| Antimony                                  | 0.224     | 0.0060 | 0.0030   | mg/L  | 0.200       |                                       | 112  | 85-115      |     |           |         |
| Arsenic                                   | 0.195     | 0.0020 | 0.0016   | mg/L  | 0.200       |                                       | 97.6 | 85-115      |     |           |         |
| Barium                                    | 0.224     | 0.10   | 0.000056 | mg/L  | 0.200       |                                       | 112  | 85-115      |     |           |         |
| Beryllium                                 | 0.211     | 0.0010 | 0.00017  | mg/L  | 0.200       |                                       | 106  | 85-115      |     |           |         |
| Cadmium                                   | 0.212     | 0.0010 | 0.000077 | mg/L  | 0.200       |                                       | 106  | 85-115      |     |           |         |
| Total Chromium                            | 0.200     | 0.010  | 0.00050  | mg/L  | 0.200       |                                       | 100  | 85-115      |     |           |         |
| Cobalt                                    | 0.212     | 0.010  | 0.00028  | mg/L  | 0.200       |                                       | 106  | 85-115      |     |           |         |
| Copper                                    | 0.223     | 0.010  | 0.0019   | mg/L  | 0.200       |                                       | 111  | 85-115      |     |           |         |
| Lead                                      | 0.203     | 0.0050 | 0.000084 | mg/L  | 0.200       |                                       | 101  | 85-115      |     |           |         |
| Molybdenum                                | 0.215     | 0.010  | 0.00090  | mg/L  | 0.200       |                                       | 107  | 85-115      |     |           |         |
| Nickel                                    | 0.210     | 0.010  | 0.0015   | mg/L  | 0.200       |                                       | 105  | 85-115      |     |           |         |
| Selenium                                  | 0.190     | 0.0050 | 0.0025   | mg/L  | 0.200       |                                       | 94.8 | 85-115      |     |           |         |
| Silver                                    | 0.219     | 0.010  | 0.0050   | mg/L  | 0.200       |                                       | 110  | 85-115      |     |           |         |
| Thallium                                  | 0.205     | 0.0010 | 0.00098  | mg/L  | 0.200       |                                       | 102  | 85-115      |     |           |         |
| Vanadium                                  | 0.180     | 0.010  | 0.0027   | mg/L  | 0.200       |                                       | 89.9 | 85-115      |     |           |         |
| Zinc                                      | 0.232     | 0.010  | 0.0014   | mg/L  | 0.200       |                                       | 116  | 85-115      |     |           | QL-MS   |

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Analytical Report: Page 9 of 18  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9A0762**

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Metals and Metalloids; EPA SW846 Series - Batch Quality Control**

| Analyte(s)                                | Result | RDL    | MDL                       | Units | Spike Level        | Source Result | %REC               | %REC Limits | RPD    | RPD Limit | Flag |
|-------------------------------------------|--------|--------|---------------------------|-------|--------------------|---------------|--------------------|-------------|--------|-----------|------|
| <b>Batch 9A12042 - EPA 3015A SOP M02A</b> |        |        |                           |       |                    |               |                    |             |        |           |      |
| <b>Matrix Spike (9A12042-MS1)</b>         |        |        | <b>Source: A9A0762-01</b> |       | Prepared: 01/12/09 |               | Analyzed: 01/13/09 |             |        |           |      |
| Antimony                                  | 0.997  | 0.030  | 0.015                     | mg/L  | 1.00               | ND            | 99.7               | 75-125      |        |           |      |
| Arsenic                                   | 0.993  | 0.010  | 0.0081                    | mg/L  | 1.00               | 0.0310        | 96.2               | 75-125      |        |           |      |
| Barium                                    | 2.12   | 0.50   | 0.00028                   | mg/L  | 1.00               | 1.26          | 85.5               | 75-125      |        |           |      |
| Beryllium                                 | 1.04   | 0.0050 | 0.00086                   | mg/L  | 1.00               | 0.00453       | 103                | 75-125      |        |           |      |
| Cadmium                                   | 1.01   | 0.0050 | 0.00039                   | mg/L  | 1.00               | 0.000453      | 101                | 75-125      |        |           |      |
| Total Chromium                            | 1.23   | 0.050  | 0.0025                    | mg/L  | 1.00               | 0.238         | 99.5               | 75-125      |        |           |      |
| Cobalt                                    | 1.07   | 0.050  | 0.0014                    | mg/L  | 1.00               | 0.0496        | 102                | 75-125      |        |           |      |
| Copper                                    | 1.13   | 0.050  | 0.0095                    | mg/L  | 1.00               | 0.134         | 99.9               | 75-125      |        |           |      |
| Lead                                      | 1.04   | 0.025  | 0.00042                   | mg/L  | 1.00               | 0.0455        | 99.3               | 75-125      |        |           |      |
| Molybdenum                                | 1.13   | 0.050  | 0.0045                    | mg/L  | 1.00               | 0.0878        | 105                | 75-125      |        |           |      |
| Nickel                                    | 1.09   | 0.050  | 0.0075                    | mg/L  | 1.00               | 0.0879        | 101                | 75-125      |        |           |      |
| Selenium                                  | 0.946  | 0.025  | 0.013                     | mg/L  | 1.00               | ND            | 94.6               | 75-125      |        |           |      |
| Silver                                    | 1.03   | 0.050  | 0.025                     | mg/L  | 1.00               | ND            | 103                | 75-125      |        |           |      |
| Thallium                                  | 0.995  | 0.0050 | 0.0049                    | mg/L  | 1.00               | ND            | 99.5               | 75-125      |        |           |      |
| Vanadium                                  | 1.25   | 0.050  | 0.013                     | mg/L  | 1.00               | 0.288         | 95.8               | 75-125      |        |           |      |
| Zinc                                      | 1.32   | 0.050  | 0.0070                    | mg/L  | 1.00               | 0.250         | 107                | 75-125      |        |           |      |
| <b>Matrix Spike Dup (9A12042-MSD1)</b>    |        |        | <b>Source: A9A0762-01</b> |       | Prepared: 01/12/09 |               | Analyzed: 01/13/09 |             |        |           |      |
| Antimony                                  | 0.975  | 0.030  | 0.015                     | mg/L  | 1.00               | ND            | 97.5               | 75-125      | 2.27   | 20        |      |
| Arsenic                                   | 1.00   | 0.010  | 0.0081                    | mg/L  | 1.00               | 0.0310        | 97.4               | 75-125      | 1.19   | 20        |      |
| Barium                                    | 1.95   | 0.50   | 0.00028                   | mg/L  | 1.00               | 1.26          | 68.5               | 75-125      | 8.40   | 20        | QMSD |
| Beryllium                                 | 1.00   | 0.0050 | 0.00086                   | mg/L  | 1.00               | 0.00453       | 99.9               | 75-125      | 3.45   | 20        |      |
| Cadmium                                   | 0.979  | 0.0050 | 0.00039                   | mg/L  | 1.00               | 0.000453      | 97.8               | 75-125      | 3.22   | 20        |      |
| Total Chromium                            | 1.19   | 0.050  | 0.0025                    | mg/L  | 1.00               | 0.238         | 95.4               | 75-125      | 3.38   | 20        |      |
| Cobalt                                    | 1.07   | 0.050  | 0.0014                    | mg/L  | 1.00               | 0.0496        | 102                | 75-125      | 0.0909 | 20        |      |
| Copper                                    | 1.13   | 0.050  | 0.0095                    | mg/L  | 1.00               | 0.134         | 99.3               | 75-125      | 0.548  | 20        |      |
| Lead                                      | 1.02   | 0.025  | 0.00042                   | mg/L  | 1.00               | 0.0455        | 97.3               | 75-125      | 1.90   | 20        |      |
| Molybdenum                                | 1.12   | 0.050  | 0.0045                    | mg/L  | 1.00               | 0.0878        | 103                | 75-125      | 1.45   | 20        |      |
| Nickel                                    | 1.09   | 0.050  | 0.0075                    | mg/L  | 1.00               | 0.0879        | 101                | 75-125      | 0.0266 | 20        |      |
| Selenium                                  | 0.996  | 0.025  | 0.013                     | mg/L  | 1.00               | ND            | 99.6               | 75-125      | 5.07   | 20        |      |
| Silver                                    | 1.00   | 0.050  | 0.025                     | mg/L  | 1.00               | ND            | 100                | 75-125      | 2.60   | 20        |      |
| Thallium                                  | 0.987  | 0.0050 | 0.0049                    | mg/L  | 1.00               | ND            | 98.7               | 75-125      | 0.849  | 20        |      |
| Vanadium                                  | 1.22   | 0.050  | 0.013                     | mg/L  | 1.00               | 0.288         | 93.0               | 75-125      | 2.28   | 20        |      |
| Zinc                                      | 1.28   | 0.050  | 0.0070                    | mg/L  | 1.00               | 0.250         | 103                | 75-125      | 3.30   | 20        |      |

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Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9A0762**

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

### Diesel Range Organics by EPA 8015 - Batch Quality Control

| Analyte(s)                             | Result | RDL | MDL  | Units | Spike Level | Source Result                                            | %REC | %REC Limits | RPD  | RPD Limit | Flag  |
|----------------------------------------|--------|-----|------|-------|-------------|----------------------------------------------------------|------|-------------|------|-----------|-------|
| <b>Batch 9A12009 - Microextraction</b> |        |     |      |       |             |                                                          |      |             |      |           |       |
| <b>Blank (9A12009-BLK1)</b>            |        |     |      |       |             | Prepared: 01/12/09 Analyzed: 01/13/09                    |      |             |      |           |       |
| Diesel Range Hydrocarbons              | 6.22   | 2.0 | 0.46 | mg/L  |             |                                                          |      |             |      |           | QHCno |
| Surrogate: Decachlorobiphenyl          | 0.967  |     |      | mg/L  | 1.14        |                                                          | 84.7 | 56-117      |      |           |       |
| <b>LCS (9A12009-BS1)</b>               |        |     |      |       |             | Prepared: 01/12/09 Analyzed: 01/13/09                    |      |             |      |           |       |
| Diesel Range Hydrocarbons              | 44.4   | 2.0 | 0.46 | mg/L  | 45.7        |                                                          | 97.1 | 60-110      |      |           |       |
| Surrogate: Decachlorobiphenyl          | 0.782  |     |      | mg/L  | 1.14        |                                                          | 68.5 | 56-117      |      |           |       |
| <b>LCS Dup (9A12009-BSD1)</b>          |        |     |      |       |             | Prepared: 01/12/09 Analyzed: 01/13/09                    |      |             |      |           |       |
| Diesel Range Hydrocarbons              | 37.4   | 2.0 | 0.46 | mg/L  | 45.7        |                                                          | 81.8 | 60-110      | 17.1 | 40        |       |
| Surrogate: Decachlorobiphenyl          | 1.02   |     |      | mg/L  | 1.14        |                                                          | 89.1 | 56-117      |      |           |       |
| <b>Matrix Spike (9A12009-MS1)</b>      |        |     |      |       |             | Source: A9A0762-01 Prepared: 01/12/09 Analyzed: 01/13/09 |      |             |      |           |       |
| Diesel Range Hydrocarbons              | 41.1   | 2.0 | 0.46 | mg/L  | 45.7        | ND                                                       | 89.9 | 28-126      |      |           |       |
| Surrogate: Decachlorobiphenyl          | 1.04   |     |      | mg/L  | 1.14        |                                                          | 90.8 | 56-117      |      |           |       |
| <b>Matrix Spike Dup (9A12009-MSD1)</b> |        |     |      |       |             | Source: A9A0762-01 Prepared: 01/12/09 Analyzed: 01/13/09 |      |             |      |           |       |
| Diesel Range Hydrocarbons              | 38.0   | 2.0 | 0.46 | mg/L  | 45.7        | ND                                                       | 83.2 | 28-126      | 7.71 | 40        |       |
| Surrogate: Decachlorobiphenyl          | 0.988  |     |      | mg/L  | 1.14        |                                                          | 86.5 | 56-117      |      |           |       |



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Analytical Report: Page 11 of 18  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9A0762**

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Gasoline Range Organics by EPA 8015 - Batch Quality Control**

| Analyte(s)                             | Result | RDL   | MDL   | Units | Spike Level | Source Result                                            | %REC | %REC Limits | RPD  | RPD Limit | Flag  |
|----------------------------------------|--------|-------|-------|-------|-------------|----------------------------------------------------------|------|-------------|------|-----------|-------|
| <b>Batch 9A12006 - Purge and Trap</b>  |        |       |       |       |             |                                                          |      |             |      |           |       |
| <b>Blank (9A12006-BLK1)</b>            |        |       |       |       |             | Prepared: 01/12/09 Analyzed: 01/13/09                    |      |             |      |           |       |
| Gasoline Range Organics                | ND     | 0.050 | 0.024 | mg/L  |             |                                                          |      |             |      |           |       |
| Surrogate: a,a,a-Trifluorotoluene      | 0.0879 |       |       | mg/L  | 0.108       |                                                          | 81.8 | 50-150      |      |           |       |
| <b>LCS (9A12006-BS1)</b>               |        |       |       |       |             | Prepared & Analyzed: 01/12/09                            |      |             |      |           |       |
| Gasoline Range Organics                | 2.81   | 0.050 | 0.024 | mg/L  | 2.50        |                                                          | 112  | 67-140      |      |           |       |
| Surrogate: a,a,a-Trifluorotoluene      | 0.100  |       |       | mg/L  | 0.108       |                                                          | 93.1 | 50-150      |      |           |       |
| <b>LCS Dup (9A12006-BSD1)</b>          |        |       |       |       |             | Prepared & Analyzed: 01/12/09                            |      |             |      |           |       |
| Gasoline Range Organics                | 3.39   | 0.050 | 0.024 | mg/L  | 2.50        |                                                          | 135  | 67-140      | 18.6 | 35        |       |
| Surrogate: a,a,a-Trifluorotoluene      | 0.101  |       |       | mg/L  | 0.108       |                                                          | 93.9 | 50-150      |      |           |       |
| <b>Matrix Spike (9A12006-MS1)</b>      |        |       |       |       |             | Source: A9A0762-01 Prepared & Analyzed: 01/12/09         |      |             |      |           |       |
| Gasoline Range Organics                | 2.58   | 0.050 | 0.024 | mg/L  | 2.50        | ND                                                       | 103  | 73-147      |      |           |       |
| Surrogate: a,a,a-Trifluorotoluene      | 0.0858 |       |       | mg/L  | 0.108       |                                                          | 79.8 | 50-150      |      |           |       |
| <b>Matrix Spike Dup (9A12006-MSD1)</b> |        |       |       |       |             | Source: A9A0762-01 Prepared: 01/12/09 Analyzed: 01/13/09 |      |             |      |           |       |
| Gasoline Range Organics                | 3.20   | 0.050 | 0.024 | mg/L  | 2.50        | ND                                                       | 128  | 73-147      | 21.6 | 20        | QRPD0 |
| Surrogate: a,a,a-Trifluorotoluene      | 0.0988 |       |       | mg/L  | 0.108       |                                                          | 91.9 | 50-150      |      |           |       |





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Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9A0762**

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Volatile Organic Compounds by EPA 8260B - Batch Quality Control**

| Analyte(s)                            | Result | RDL  | MDL   | Units | Spike Level                   | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---------------------------------------|--------|------|-------|-------|-------------------------------|---------------|------|-------------|-----|-----------|------|
| <b>Batch 9A12002 - Purge and Trap</b> |        |      |       |       |                               |               |      |             |     |           |      |
| <b>Blank (9A12002-BLK1)</b>           |        |      |       |       | Prepared & Analyzed: 01/12/09 |               |      |             |     |           |      |
| 1,1,1-Trichloroethane                 | ND     | 0.50 | 0.12  | ug/L  |                               |               |      |             |     |           |      |
| 1,1,2,2-Tetrachloroethane             | ND     | 0.50 | 0.29  | ug/L  |                               |               |      |             |     |           |      |
| 1,1,2-Trichloroethane                 | ND     | 0.50 | 0.31  | ug/L  |                               |               |      |             |     |           |      |
| 1,1-Dichloroethane                    | ND     | 0.50 | 0.098 | ug/L  |                               |               |      |             |     |           |      |
| 1,1-Dichloroethene                    | ND     | 0.50 | 0.12  | ug/L  |                               |               |      |             |     |           |      |
| 1,2-Dichlorobenzene                   | ND     | 0.50 | 0.20  | ug/L  |                               |               |      |             |     |           |      |
| 1,2-Dichloroethane                    | ND     | 0.50 | 0.21  | ug/L  |                               |               |      |             |     |           |      |
| 1,2-Dichloropropane                   | ND     | 0.50 | 0.19  | ug/L  |                               |               |      |             |     |           |      |
| 1,3-Dichlorobenzene                   | ND     | 0.50 | 0.15  | ug/L  |                               |               |      |             |     |           |      |
| 1,4-Dichlorobenzene                   | ND     | 0.50 | 0.072 | ug/L  |                               |               |      |             |     |           |      |
| 2-Butanone(MEK)                       | ND     | 3.0  | 1.2   | ug/L  |                               |               |      |             |     |           |      |
| 2-Hexanone                            | ND     | 5.0  | 1.2   | ug/L  |                               |               |      |             |     |           |      |
| 4-Methyl-2-Pentanone(MIBK)            | ND     | 5.0  | 0.95  | ug/L  |                               |               |      |             |     |           |      |
| Acetone                               | ND     | 5.0  | 5.0   | ug/L  |                               |               |      |             |     |           |      |
| Benzene                               | ND     | 0.50 | 0.14  | ug/L  |                               |               |      |             |     |           |      |
| Bromodichloromethane                  | ND     | 0.50 | 0.11  | ug/L  |                               |               |      |             |     |           |      |
| Bromoform                             | ND     | 0.50 | 0.13  | ug/L  |                               |               |      |             |     |           |      |
| Bromomethane                          | ND     | 0.50 | 0.48  | ug/L  |                               |               |      |             |     |           |      |
| Carbon Disulfide                      | ND     | 0.50 | 0.36  | ug/L  |                               |               |      |             |     |           |      |
| Carbon Tetrachloride                  | ND     | 0.50 | 0.15  | ug/L  |                               |               |      |             |     |           |      |
| Chlorobenzene                         | ND     | 0.50 | 0.23  | ug/L  |                               |               |      |             |     |           |      |
| Chloroethane                          | ND     | 0.50 | 0.35  | ug/L  |                               |               |      |             |     |           |      |
| Chloroform                            | ND     | 0.50 | 0.17  | ug/L  |                               |               |      |             |     |           |      |
| Chloromethane                         | ND     | 0.50 | 0.36  | ug/L  |                               |               |      |             |     |           |      |
| cis-1,2-Dichloroethene                | ND     | 0.50 | 0.18  | ug/L  |                               |               |      |             |     |           |      |
| cis-1,3-Dichloropropene               | ND     | 0.50 | 0.30  | ug/L  |                               |               |      |             |     |           |      |
| Dibromochloromethane                  | ND     | 0.50 | 0.37  | ug/L  |                               |               |      |             |     |           |      |
| Ethylbenzene                          | ND     | 0.50 | 0.26  | ug/L  |                               |               |      |             |     |           |      |
| Methyl tert Butyl Ether               | ND     | 5.0  | 0.29  | ug/L  |                               |               |      |             |     |           |      |
| Methylene Chloride                    | ND     | 3.0  | 0.15  | ug/L  |                               |               |      |             |     |           |      |
| Styrene                               | ND     | 0.50 | 0.22  | ug/L  |                               |               |      |             |     |           |      |
| Tetrachloroethene                     | ND     | 0.50 | 0.17  | ug/L  |                               |               |      |             |     |           |      |
| Toluene                               | ND     | 0.50 | 0.22  | ug/L  |                               |               |      |             |     |           |      |
| trans-1,2-Dichloroethene              | ND     | 0.50 | 0.10  | ug/L  |                               |               |      |             |     |           |      |
| trans-1,3-Dichloropropene             | ND     | 0.50 | 0.24  | ug/L  |                               |               |      |             |     |           |      |
| Trichloroethene                       | ND     | 0.50 | 0.17  | ug/L  |                               |               |      |             |     |           |      |





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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 13 of 18  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9A0762**

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Volatile Organic Compounds by EPA 8260B - Batch Quality Control**

| Analyte(s)                            | Result | RDL  | MDL   | Units | Spike Level | Source Result                 | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---------------------------------------|--------|------|-------|-------|-------------|-------------------------------|------|-------------|-----|-----------|------|
| <b>Batch 9A12002 - Purge and Trap</b> |        |      |       |       |             |                               |      |             |     |           |      |
| <b>Blank (9A12002-BLK1)</b>           |        |      |       |       |             | Prepared & Analyzed: 01/12/09 |      |             |     |           |      |
| Trichlorofluoromethane                | ND     | 5.0  | 0.16  | ug/L  |             |                               |      |             |     |           |      |
| Vinyl Acetate                         | ND     | 10   | 0.48  | ug/L  |             |                               |      |             |     |           |      |
| Vinyl Chloride                        | ND     | 0.50 | 0.13  | ug/L  |             |                               |      |             |     |           |      |
| Xylenes (m+p)                         | ND     | 0.50 | 0.36  | ug/L  |             |                               |      |             |     |           |      |
| Xylenes (ortho)                       | ND     | 0.50 | 0.41  | ug/L  |             |                               |      |             |     |           |      |
| Surrogate: 1,2-Dichloroethane-d4      | 107    |      |       | ug/L  | 100         |                               | 107  | 80-124      |     |           |      |
| Surrogate: Bromofluorobenzene         | 105    |      |       | ug/L  | 100         |                               | 105  | 71-149      |     |           |      |
| Surrogate: Toluene-d8                 | 98.2   |      |       | ug/L  | 100         |                               | 98.2 | 80-120      |     |           |      |
| <b>LCS (9A12002-BS1)</b>              |        |      |       |       |             | Prepared & Analyzed: 01/12/09 |      |             |     |           |      |
| 1,1-Dichloroethane                    | 25.6   | 0.50 | 0.098 | ug/L  | 25.0        |                               | 102  | 76-130      |     |           |      |
| 1,1-Dichloroethene                    | 26.2   | 0.50 | 0.12  | ug/L  | 25.0        |                               | 105  | 70-130      |     |           |      |
| 1,4-Dichlorobenzene                   | 24.2   | 0.50 | 0.072 | ug/L  | 25.0        |                               | 96.9 | 79-130      |     |           |      |
| Benzene                               | 26.9   | 0.50 | 0.14  | ug/L  | 25.0        |                               | 108  | 70-130      |     |           |      |
| Bromodichloromethane                  | 24.8   | 0.50 | 0.11  | ug/L  | 25.0        |                               | 99.3 | 70-132      |     |           |      |
| Bromoform                             | 24.5   | 0.50 | 0.13  | ug/L  | 25.0        |                               | 98.0 | 65-141      |     |           |      |
| Chloroform                            | 27.5   | 0.50 | 0.17  | ug/L  | 25.0        |                               | 110  | 70-130      |     |           |      |
| Dibromochloromethane                  | 25.7   | 0.50 | 0.37  | ug/L  | 25.0        |                               | 103  | 70-130      |     |           |      |
| Ethylbenzene                          | 24.6   | 0.50 | 0.26  | ug/L  | 25.0        |                               | 98.6 | 70-136      |     |           |      |
| Methyl tert Butyl Ether               | 27.5   | 5.0  | 0.29  | ug/L  | 25.0        |                               | 110  | 70-130      |     |           |      |
| Tetrachloroethene                     | 23.2   | 0.50 | 0.17  | ug/L  | 25.0        |                               | 92.8 | 70-130      |     |           |      |
| Toluene                               | 25.0   | 0.50 | 0.22  | ug/L  | 25.0        |                               | 99.8 | 70-130      |     |           |      |
| Trichloroethene                       | 25.2   | 0.50 | 0.17  | ug/L  | 25.0        |                               | 101  | 70-130      |     |           |      |
| Vinyl Chloride                        | 26.8   | 0.50 | 0.13  | ug/L  | 25.0        |                               | 107  | 60-130      |     |           |      |
| Xylenes (m+p)                         | 51.9   | 0.50 | 0.36  | ug/L  | 50.0        |                               | 104  | 70-137      |     |           |      |
| Xylenes (ortho)                       | 24.8   | 0.50 | 0.41  | ug/L  | 25.0        |                               | 99.0 | 70-136      |     |           |      |
| Surrogate: 1,2-Dichloroethane-d4      | 96.1   |      |       | ug/L  | 100         |                               | 96.1 | 80-124      |     |           |      |
| Surrogate: Bromofluorobenzene         | 99.5   |      |       | ug/L  | 100         |                               | 99.5 | 71-149      |     |           |      |
| Surrogate: Toluene-d8                 | 99.8   |      |       | ug/L  | 100         |                               | 99.8 | 80-120      |     |           |      |



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Analytical Report: Page 14 of 18  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9A0762**

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Volatile Organic Compounds by EPA 8260B - Batch Quality Control**

| Analyte(s)                            | Result | RDL  | MDL   | Units | Spike Level                                      | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Flag |
|---------------------------------------|--------|------|-------|-------|--------------------------------------------------|---------------|------|-------------|------|-----------|------|
| <b>Batch 9A12002 - Purge and Trap</b> |        |      |       |       |                                                  |               |      |             |      |           |      |
| <b>LCS Dup (9A12002-BSD1)</b>         |        |      |       |       | Prepared & Analyzed: 01/12/09                    |               |      |             |      |           |      |
| 1,1-Dichloroethane                    | 24.0   | 0.50 | 0.098 | ug/L  | 25.0                                             |               | 95.8 | 76-130      | 6.70 | 20        |      |
| 1,1-Dichloroethene                    | 24.2   | 0.50 | 0.12  | ug/L  | 25.0                                             |               | 96.9 | 70-130      | 7.66 | 20        |      |
| 1,4-Dichlorobenzene                   | 22.7   | 0.50 | 0.072 | ug/L  | 25.0                                             |               | 90.8 | 79-130      | 6.56 | 20        |      |
| Benzene                               | 24.9   | 0.50 | 0.14  | ug/L  | 25.0                                             |               | 99.4 | 70-130      | 7.99 | 20        |      |
| Bromodichloromethane                  | 23.2   | 0.50 | 0.11  | ug/L  | 25.0                                             |               | 92.9 | 70-132      | 6.66 | 20        |      |
| Bromoform                             | 23.2   | 0.50 | 0.13  | ug/L  | 25.0                                             |               | 93.0 | 65-141      | 5.28 | 20        |      |
| Chloroform                            | 25.6   | 0.50 | 0.17  | ug/L  | 25.0                                             |               | 102  | 70-130      | 7.13 | 20        |      |
| Dibromochloromethane                  | 24.0   | 0.50 | 0.37  | ug/L  | 25.0                                             |               | 96.2 | 70-130      | 6.60 | 20        |      |
| Ethylbenzene                          | 23.0   | 0.50 | 0.26  | ug/L  | 25.0                                             |               | 92.2 | 70-136      | 6.71 | 20        |      |
| Methyl tert Butyl Ether               | 25.7   | 5.0  | 0.29  | ug/L  | 25.0                                             |               | 103  | 70-130      | 6.47 | 20        |      |
| Tetrachloroethene                     | 21.5   | 0.50 | 0.17  | ug/L  | 25.0                                             |               | 86.1 | 70-130      | 7.56 | 20        |      |
| Toluene                               | 23.2   | 0.50 | 0.22  | ug/L  | 25.0                                             |               | 92.7 | 70-130      | 7.40 | 20        |      |
| Trichloroethene                       | 23.4   | 0.50 | 0.17  | ug/L  | 25.0                                             |               | 93.8 | 70-130      | 7.20 | 20        |      |
| Vinyl Chloride                        | 24.4   | 0.50 | 0.13  | ug/L  | 25.0                                             |               | 97.7 | 60-130      | 9.14 | 20        |      |
| Xylenes (m+p)                         | 48.4   | 0.50 | 0.36  | ug/L  | 50.0                                             |               | 96.7 | 70-137      | 7.02 | 20        |      |
| Xylenes (ortho)                       | 23.3   | 0.50 | 0.41  | ug/L  | 25.0                                             |               | 93.3 | 70-136      | 5.99 | 20        |      |
| Surrogate: 1,2-Dichloroethane-d4      | 95.3   |      |       | ug/L  | 100                                              |               | 95.3 | 80-124      |      |           |      |
| Surrogate: Bromofluorobenzene         | 100    |      |       | ug/L  | 100                                              |               | 100  | 71-149      |      |           |      |
| Surrogate: Toluene-d8                 | 100    |      |       | ug/L  | 100                                              |               | 100  | 80-120      |      |           |      |
| <b>Duplicate (9A12002-DUP1)</b>       |        |      |       |       | Source: A9A0313-01 Prepared & Analyzed: 01/12/09 |               |      |             |      |           |      |
| 1,1,1-Trichloroethane                 | ND     | 0.50 | 0.12  | ug/L  |                                                  | ND            |      |             |      | 40        |      |
| 1,1,2,2-Tetrachloroethane             | ND     | 0.50 | 0.29  | ug/L  |                                                  | ND            |      |             |      | 40        |      |
| 1,1,2-Trichloroethane                 | ND     | 0.50 | 0.31  | ug/L  |                                                  | ND            |      |             |      | 40        |      |
| 1,1-Dichloroethane                    | ND     | 0.50 | 0.098 | ug/L  |                                                  | ND            |      |             |      | 40        |      |
| 1,1-Dichloroethene                    | ND     | 0.50 | 0.12  | ug/L  |                                                  | ND            |      |             |      | 40        |      |
| 1,2-Dichlorobenzene                   | ND     | 0.50 | 0.20  | ug/L  |                                                  | ND            |      |             |      | 40        |      |
| 1,2-Dichloroethane                    | ND     | 0.50 | 0.21  | ug/L  |                                                  | ND            |      |             |      | 40        |      |
| 1,2-Dichloropropane                   | ND     | 0.50 | 0.19  | ug/L  |                                                  | ND            |      |             |      | 40        |      |
| 1,3-Dichlorobenzene                   | ND     | 0.50 | 0.15  | ug/L  |                                                  | ND            |      |             |      | 40        |      |
| 1,4-Dichlorobenzene                   | ND     | 0.50 | 0.072 | ug/L  |                                                  | ND            |      |             |      | 40        |      |
| 2-Butanone(MEK)                       | ND     | 3.0  | 1.2   | ug/L  |                                                  | ND            |      |             |      | 40        |      |
| 2-Hexanone                            | ND     | 5.0  | 1.2   | ug/L  |                                                  | ND            |      |             |      | 40        |      |
| 4-Methyl-2-Pentanone(MIBK)            | ND     | 5.0  | 0.95  | ug/L  |                                                  | ND            |      |             |      | 40        |      |
| Acetone                               | ND     | 5.0  | 5.0   | ug/L  |                                                  | ND            |      |             |      | 40        |      |
| Benzene                               | ND     | 0.50 | 0.14  | ug/L  |                                                  | ND            |      |             |      | 40        |      |
| Bromodichloromethane                  | ND     | 0.50 | 0.11  | ug/L  |                                                  | ND            |      |             |      | 40        |      |



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Analytical Report: Page 15 of 18  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9A0762**

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Volatile Organic Compounds by EPA 8260B - Batch Quality Control**

| Analyte(s)                            | Result | RDL                       | MDL  | Units | Spike Level | Source Result                            | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---------------------------------------|--------|---------------------------|------|-------|-------------|------------------------------------------|------|-------------|-----|-----------|------|
| <b>Batch 9A12002 - Purge and Trap</b> |        |                           |      |       |             |                                          |      |             |     |           |      |
| <b>Duplicate (9A12002-DUP1)</b>       |        | <b>Source: A9A0313-01</b> |      |       |             | <b>Prepared &amp; Analyzed: 01/12/09</b> |      |             |     |           |      |
| Bromoform                             | ND     | 0.50                      | 0.13 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Bromomethane                          | ND     | 0.50                      | 0.48 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Carbon Disulfide                      | ND     | 0.50                      | 0.36 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Carbon Tetrachloride                  | ND     | 0.50                      | 0.15 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Chlorobenzene                         | ND     | 0.50                      | 0.23 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Chloroethane                          | ND     | 0.50                      | 0.35 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Chloroform                            | ND     | 0.50                      | 0.17 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Chloromethane                         | ND     | 0.50                      | 0.36 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| cis-1,2-Dichloroethene                | ND     | 0.50                      | 0.18 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| cis-1,3-Dichloropropene               | ND     | 0.50                      | 0.30 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Dibromochloromethane                  | ND     | 0.50                      | 0.37 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Ethylbenzene                          | ND     | 0.50                      | 0.26 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Methyl tert Butyl Ether               | ND     | 5.0                       | 0.29 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Methylene Chloride                    | ND     | 3.0                       | 0.15 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Styrene                               | ND     | 0.50                      | 0.22 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Tetrachloroethene                     | ND     | 0.50                      | 0.17 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Toluene                               | ND     | 0.50                      | 0.22 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| trans-1,2-Dichloroethene              | ND     | 0.50                      | 0.10 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| trans-1,3-Dichloropropene             | ND     | 0.50                      | 0.24 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Trichloroethene                       | ND     | 0.50                      | 0.17 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Trichlorofluoromethane                | ND     | 5.0                       | 0.16 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Vinyl Acetate                         | ND     | 10                        | 0.48 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Vinyl Chloride                        | ND     | 0.50                      | 0.13 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Xylenes (m+p)                         | ND     | 0.50                      | 0.36 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Xylenes (ortho)                       | ND     | 0.50                      | 0.41 | ug/L  |             | ND                                       |      |             |     | 40        |      |
| Surrogate: 1,2-Dichloroethane-d4      | 108    |                           |      | ug/L  | 100         |                                          | 108  | 80-124      |     |           |      |
| Surrogate: Bromofluorobenzene         | 104    |                           |      | ug/L  | 100         |                                          | 104  | 71-149      |     |           |      |
| Surrogate: Toluene-d8                 | 97.1   |                           |      | ug/L  | 100         |                                          | 97.1 | 80-120      |     |           |      |



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Analytical Report: Page 16 of 18  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9A0762**

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Volatile Organic Compounds by EPA 8260B - Batch Quality Control**

| Analyte(s)                            | Result | RDL                       | MDL   | Units                     | Spike Level | Source Result             | %REC | %REC Limits | RPD | RPD Limit | Flag  |
|---------------------------------------|--------|---------------------------|-------|---------------------------|-------------|---------------------------|------|-------------|-----|-----------|-------|
| <b>Batch 9A12002 - Purge and Trap</b> |        |                           |       |                           |             |                           |      |             |     |           |       |
| <b>Matrix Spike (9A12002-MS1)</b>     |        | <b>Source: A9A0762-01</b> |       | <b>Prepared: 01/12/09</b> |             | <b>Analyzed: 01/13/09</b> |      |             |     |           |       |
| 1,1-Dichloroethane                    | 22.5   | 0.50                      | 0.098 | ug/L                      | 25.0        | ND                        | 90.0 | 57-136      |     |           |       |
| 1,1-Dichloroethene                    | 28.4   | 0.50                      | 0.12  | ug/L                      | 25.0        | ND                        | 114  | 55-134      |     |           |       |
| 1,4-Dichlorobenzene                   | 21.5   | 0.50                      | 0.072 | ug/L                      | 25.0        | ND                        | 86.0 | 67-130      |     |           |       |
| Benzene                               | 23.9   | 0.50                      | 0.14  | ug/L                      | 25.0        | ND                        | 95.6 | 70-130      |     |           |       |
| Bromodichloromethane                  | 14.2   | 0.50                      | 0.11  | ug/L                      | 25.0        | ND                        | 57.0 | 55-136      |     |           |       |
| Bromoform                             | 3.55   | 0.50                      | 0.13  | ug/L                      | 25.0        | ND                        | 14.2 | 39-151      |     |           | QMint |
| Chloroform                            | 24.0   | 0.50                      | 0.17  | ug/L                      | 25.0        | ND                        | 96.0 | 68-133      |     |           |       |
| Dibromochloromethane                  | 8.52   | 0.50                      | 0.37  | ug/L                      | 25.0        | ND                        | 34.1 | 53-133      |     |           | QMint |
| Ethylbenzene                          | 24.0   | 0.50                      | 0.26  | ug/L                      | 25.0        | ND                        | 96.2 | 70-143      |     |           |       |
| Methyl tert Butyl Ether               | 21.0   | 5.0                       | 0.29  | ug/L                      | 25.0        | ND                        | 83.9 | 70-130      |     |           |       |
| Tetrachloroethene                     | 21.5   | 0.50                      | 0.17  | ug/L                      | 25.0        | ND                        | 85.8 | 63-132      |     |           |       |
| Toluene                               | 23.0   | 0.50                      | 0.22  | ug/L                      | 25.0        | ND                        | 92.2 | 70-130      |     |           |       |
| Trichloroethene                       | 22.5   | 0.50                      | 0.17  | ug/L                      | 25.0        | ND                        | 89.9 | 70-130      |     |           |       |
| Vinyl Chloride                        | 23.4   | 0.50                      | 0.13  | ug/L                      | 25.0        | ND                        | 93.5 | 60-130      |     |           |       |
| Xylenes (m+p)                         | 48.4   | 0.50                      | 0.36  | ug/L                      | 50.0        | ND                        | 96.8 | 70-147      |     |           |       |
| Xylenes (ortho)                       | 23.0   | 0.50                      | 0.41  | ug/L                      | 25.0        | ND                        | 92.0 | 69-147      |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4      | 82.1   |                           |       | ug/L                      | 100         |                           | 82.1 | 80-124      |     |           |       |
| Surrogate: Bromofluorobenzene         | 100    |                           |       | ug/L                      | 100         |                           | 100  | 71-149      |     |           |       |
| Surrogate: Toluene-d8                 | 100    |                           |       | ug/L                      | 100         |                           | 100  | 80-120      |     |           |       |



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Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 17 of 18  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

Report Date: 14-Jan-2009

**Work Order Number: A9A0762**

Received on Ice (Y/N): Yes Temp: 15 °C

## Notes and Definitions

- J Estimated value
- NRPD The RPD/precision of replicate analyses performed on this sample did not meet laboratory acceptance criteria.
- QBLK The method blank did not meet laboratory acceptance criteria.
- QHCno The quality control sample chromatographic pattern does NOT resemble the fuel standard used for quantitation.
- QL-MS Batch acceptance based on MS and/or MSD recovery within LCS criteria. The LCS recovery did not meet laboratory acceptance criteria.
- QMint Due to matrix interference, the MS and/or MSD did not meet laboratory acceptance criteria.
- QMSD The MS recovery and MS/MSD RPD met laboratory acceptance criteria. MSD recovery was not within range. MSD performed to assess precision data only.
- QRPD The RPD value for the sample duplicate or MS/MSD did not meet laboratory acceptance criteria.
- ND: Analyte NOT DETECTED at or above the Method Detection Limit (**if MDL is reported**), otherwise at or above the Reportable Detection Limit (RDL)
- NR: Not Reported
- RDL: Reportable Detection Limit
- MDL: Method Detection Limit

\* / (Non-NELAP): NELAP does not offer accreditation for this analyte/method/matrix combination

---

## Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

*Lawrence J. Chrystal*

Lawrence J. Chrystal For Humaira Saleem

Project Manager

cc:

ESB\_md1\_PDF Report

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NELAP no, 02101CA  
CA ELAP no. 1156  
EPA no. CA00102



Analytical Report: Page 18 of 18  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

Report Date: 14-Jan-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**TETRA TECH, INC.**

348 W. Hospitality Lane, Suite 100  
San Bernardino, California 92408  
Telephone: (909) 381-1674  
FAX: (909) 889-1391

SHIP TO: [REDACTED]

DATE 11/9/09 PAGE 1 OF 1

| CLIENT: Lockheed Martin Corp              |                      |        |      | PARAMETERS          |   |   |   | TURN-AROUND TIME      |                                                          |
|-------------------------------------------|----------------------|--------|------|---------------------|---|---|---|-----------------------|----------------------------------------------------------|
| PROJECT NAME: Beaumont Site 2             |                      |        |      | CONTAINER TYPE      |   |   |   | OBSERVATIONS/COMMENTS |                                                          |
| PROJECT MANAGER: Mark Feldman             |                      |        |      | MATRIX TYPE         |   |   |   | PRESERVATIVE          |                                                          |
| SAMPLERS (Signature): <i>Mark Feldman</i> |                      |        |      | FILTERED/UNFILTERED |   |   |   | NUMBER OF CONTAINERS  |                                                          |
| TC# 22289-090104                          |                      |        |      | DATE                |   |   |   | TIME                  |                                                          |
| SAMPLER NO.                               |                      |        |      | DATE                |   |   |   | TIME                  |                                                          |
| 1.                                        | Deep water container | 1-9-09 | 1500 | X                   | X | X | X | UN W 868              | HCL/NF/HNO <sub>3</sub>                                  |
| 2.                                        |                      |        |      |                     |   |   |   |                       | H <sub>2</sub> SO <sub>4</sub>                           |
| 3.                                        | TB-010909            | 1-9-09 | 1515 | X                   |   |   |   | UN W 6                | HCL                                                      |
| 4.                                        |                      |        |      |                     |   |   |   |                       | This bottle was for PH if they wanted that too. #D 14108 |
| 5.                                        |                      |        |      |                     |   |   |   |                       |                                                          |
| 6.                                        |                      |        |      |                     |   |   |   |                       |                                                          |
| 7.                                        |                      |        |      |                     |   |   |   |                       |                                                          |
| 8.                                        |                      |        |      |                     |   |   |   |                       |                                                          |
| 9.                                        |                      |        |      |                     |   |   |   |                       |                                                          |
| 10.                                       |                      |        |      |                     |   |   |   |                       |                                                          |

CLIENT: *Lockheed Martin Corp*

PROJECT NAME: *Beaumont Site 2*

PROJECT MANAGER: *Mark Feldman*

TC# *22289-090104*

SAMPLERS (Signature): *Mark Feldman*

CONTAINER TYPE:

G - Glass Bottle/Lar

SS - Stainless Steel Sleeve

SB - Brass Sleeve

P - Plastic Bottle/Lar

MATRIX TYPE:

S - Soil

M - Sediment

W - Water

FILTERING:

☐ FILTERED ☒ UNFILTERED

PRESERVATIVES: (Water Only)

HCL

NF

H<sub>2</sub>SO<sub>4</sub>

H<sub>2</sub>O

None required

TOTAL NUMBER OF CONTAINERS ON THIS CHAIN OF CUSTODY: *9*

METHOD OF SHIPMENT/SHIPMENT NO.

Special Shipping/Handling/Storage Requirements

150

**DISTRIBUTION:** White and Pink = Tetra Tech, Inc.      Canary = Laboratory

49A0702AB  
JAN -9 2009



**E.S.BABCOCK**&Sons, Inc.  
Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 1 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1352**

Report Date: 27-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

### Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u>                     | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u>        | <u>Date Submitted</u> | <u>By</u>        |
|---------------------|---------------------------------------------|---------------|---------------------|------------------|-----------------------|------------------|
| A9D1352-01          | IDW1-265615 LMC Beaumont Site 2             | Liquid        | 04/15/09 15:15      | David Bertolacci | 04/15/09 16:07        | David Bertolacci |
| A9D1352-02          | IDW1-265615 (Dissolved) LMC Beaumont Site 2 | Liquid        | 04/15/09 15:15      | David Bertolacci | 04/15/09 16:07        | David Bertolacci |





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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 2 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1352**

Report Date: 27-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Laboratory Reference Number  
**A9D1352-01**

| <u>Sample Description</u>       | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
|---------------------------------|---------------|--------------------------|---------------------------|
| IDW1-265615 LMC Beaumont Site 2 | Liquid        | 04/15/09 15:15           | 04/15/09 16:07            |

| Analyte(s)                              | Result   | RDL    | MDL      | Units | Method      | Analysis Date  | Analyst | Flag  |
|-----------------------------------------|----------|--------|----------|-------|-------------|----------------|---------|-------|
| Anions                                  |          |        |          |       |             |                |         |       |
| Sulfate                                 | 51       | 0.50   |          | mg/L  | EPA 300.0   | 04/16/09 08:49 | AA      |       |
| Nitrate as N                            | 0.11     | 0.20   | 0.11     | mg/L  | EPA 300.0   | 04/16/09 08:49 | AA      | J     |
| Aggregate Organic Compounds             |          |        |          |       |             |                |         |       |
| Total Organic Carbon                    | ND       | 70     |          | mg/L  | SM 5310B    | 04/18/09 01:47 | krv     | N_RLm |
| General Inorganics                      |          |        |          |       |             |                |         |       |
| Perchlorate                             | 2000     | 100    | 71       | ug/L* | EPA 332.0   | 04/16/09 21:09 | aa      |       |
| Sulfide                                 | ND       | 0.10   |          | mg/L  | SM 4500S2 D | 04/15/09 19:41 | jc      |       |
| Nutrients                               |          |        |          |       |             |                |         |       |
| Ortho Phosphate Phosphorus              | 0.90     | 0.25   |          | mg/L  | SM 4500P E  | 04/16/09 13:46 | jma     |       |
| Metals and Metalloids                   |          |        |          |       |             |                |         |       |
| Mercury                                 | 0.000051 | 0.0010 | 0.000032 | mg/L  | EPA 200.8   | 04/23/09 16:00 | krv     | J     |
| Metals and Metalloids; EPA SW846 Series |          |        |          |       |             |                |         |       |
| Antimony                                | ND       | 0.0060 | 0.0030   | mg/L  | EPA 6020    | 04/23/09 16:00 | krv     |       |
| Arsenic                                 | 0.010    | 0.0020 | 0.0016   | mg/L  | EPA 6020    | 04/23/09 16:00 | krv     |       |
| Barium                                  | 0.33     | 0.10   | 0.000056 | mg/L  | EPA 6020    | 04/23/09 16:00 | krv     |       |
| Beryllium                               | 0.00098  | 0.0010 | 0.00017  | mg/L  | EPA 6020    | 04/23/09 16:00 | krv     | J     |
| Cadmium                                 | 0.00013  | 0.0010 | 0.000077 | mg/L  | EPA 6020    | 04/23/09 16:00 | krv     | J     |
| Total Chromium                          | 0.050    | 0.010  | 0.00050  | mg/L  | EPA 6020    | 04/23/09 16:00 | krv     |       |
| Cobalt                                  | 0.013    | 0.010  | 0.00028  | mg/L  | EPA 6020    | 04/23/09 16:00 | krv     |       |
| Copper                                  | 0.039    | 0.010  | 0.0019   | mg/L  | EPA 6020    | 04/23/09 16:00 | krv     |       |
| Lead                                    | 0.015    | 0.0050 | 0.000084 | mg/L  | EPA 6020    | 04/23/09 16:00 | krv     |       |
| Molybdenum                              | 0.047    | 0.010  | 0.00090  | mg/L  | EPA 6020    | 04/23/09 16:00 | krv     |       |
| Nickel                                  | 0.023    | 0.010  | 0.0015   | mg/L  | EPA 6020    | 04/23/09 16:00 | krv     |       |
| Selenium                                | ND       | 0.0050 | 0.0025   | mg/L  | EPA 6020    | 04/23/09 16:00 | krv     |       |
| Silver                                  | ND       | 0.010  | 0.0050   | mg/L  | EPA 6020    | 04/23/09 16:00 | krv     |       |
| Thallium                                | ND       | 0.0010 | 0.00098  | mg/L  | EPA 6020    | 04/23/09 16:00 | krv     |       |
| Vanadium                                | 0.072    | 0.010  | 0.0027   | mg/L  | EPA 6020    | 04/23/09 16:00 | krv     |       |
| Zinc                                    | 0.091    | 0.010  | 0.0014   | mg/L  | EPA 6020    | 04/24/09 16:28 | ap      |       |





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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 3 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1352**

Report Date: 27-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Laboratory Reference Number  
**A9D1352-02**

|                                             |               |                          |                           |
|---------------------------------------------|---------------|--------------------------|---------------------------|
| <u>Sample Description</u>                   | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
| IDW1-265615 (Dissolved) LMC Beaumont Site 2 | Liquid        | 04/15/09 15:15           | 04/15/09 16:07            |

| Analyte(s)                              | Result  | RDL    | MDL      | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------------|---------|--------|----------|-------|-----------|----------------|---------|------|
| Metals and Metalloids                   |         |        |          |       |           |                |         |      |
| Mercury                                 | ND      | 0.0010 | 0.000032 | mg/L  | EPA 200.8 | 04/17/09 18:08 | ap      |      |
| Metals and Metalloids; EPA SW846 Series |         |        |          |       |           |                |         |      |
| Antimony                                | ND      | 0.0060 | 0.0030   | mg/L  | EPA 6020  | 04/17/09 18:08 | ap      |      |
| Arsenic                                 | 0.0035  | 0.0020 | 0.0016   | mg/L  | EPA 6020  | 04/17/09 18:08 | ap      |      |
| Barium                                  | 0.13    | 0.10   | 0.000056 | mg/L  | EPA 6020  | 04/17/09 18:08 | ap      |      |
| Beryllium                               | 0.00042 | 0.0010 | 0.00017  | mg/L  | EPA 6020  | 04/17/09 18:08 | ap      | J    |
| Cadmium                                 | 0.00045 | 0.0010 | 0.000077 | mg/L  | EPA 6020  | 04/17/09 18:08 | ap      | J    |
| Total Chromium                          | 0.0099  | 0.010  | 0.00050  | mg/L  | EPA 6020  | 04/17/09 18:08 | ap      | J    |
| Cobalt                                  | 0.0028  | 0.010  | 0.00028  | mg/L  | EPA 6020  | 04/17/09 18:08 | ap      | J    |
| Copper                                  | 0.024   | 0.010  | 0.0019   | mg/L  | EPA 6020  | 04/17/09 18:08 | ap      |      |
| Lead                                    | 0.0050  | 0.0050 | 0.000084 | mg/L  | EPA 6020  | 04/17/09 18:08 | ap      |      |
| Molybdenum                              | 0.036   | 0.010  | 0.00090  | mg/L  | EPA 6020  | 04/17/09 18:08 | ap      |      |
| Nickel                                  | 0.012   | 0.010  | 0.0015   | mg/L  | EPA 6020  | 04/17/09 18:08 | ap      |      |
| Selenium                                | ND      | 0.0050 | 0.0025   | mg/L  | EPA 6020  | 04/17/09 18:08 | ap      |      |
| Silver                                  | ND      | 0.010  | 0.0050   | mg/L  | EPA 6020  | 04/17/09 18:08 | ap      |      |
| Thallium                                | ND      | 0.0010 | 0.00098  | mg/L  | EPA 6020  | 04/17/09 18:08 | ap      |      |
| Vanadium                                | 0.023   | 0.010  | 0.0027   | mg/L  | EPA 6020  | 04/17/09 18:08 | ap      |      |
| Zinc                                    | 0.13    | 0.010  | 0.0014   | mg/L  | EPA 6020  | 04/17/09 18:08 | ap      |      |



**E.S.BABCOCK**&Sons, Inc.  
Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 4 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1352**

Report Date: 27-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Anions - Batch Quality Control**

| Analyte(s)                                  | Result | RDL  | MDL  | Units | Spike Level | Source Result                                            | %REC | %REC Limits | RPD  | RPD Limit | Flag  |
|---------------------------------------------|--------|------|------|-------|-------------|----------------------------------------------------------|------|-------------|------|-----------|-------|
| <b>Batch 9D15066 - Analyzed as received</b> |        |      |      |       |             |                                                          |      |             |      |           |       |
| <b>Blank (9D15066-BLK1)</b>                 |        |      |      |       |             | Prepared: 04/15/09 Analyzed: 04/16/09                    |      |             |      |           |       |
| Sulfate                                     | ND     | 0.50 |      | mg/L  |             |                                                          |      |             |      |           |       |
| Nitrate as N                                | ND     | 0.20 | 0.11 | mg/L  |             |                                                          |      |             |      |           |       |
| <b>LCS (9D15066-BS1)</b>                    |        |      |      |       |             | Prepared: 04/15/09 Analyzed: 04/16/09                    |      |             |      |           |       |
| Sulfate                                     | 49.4   | 0.50 |      | mg/L  | 50.0        |                                                          | 98.8 | 90-110      |      |           |       |
| Nitrate as N                                | 11.7   | 0.20 | 0.11 | mg/L  | 11.3        |                                                          | 104  | 90-110      |      |           |       |
| <b>Matrix Spike (9D15066-MS1)</b>           |        |      |      |       |             | Source: A9D1317-02 Prepared: 04/15/09 Analyzed: 04/16/09 |      |             |      |           |       |
| Sulfate                                     | 64700  | 100  |      | mg/L  | 20000       | 46100                                                    | 93.3 | 87-114      |      |           | QOcal |
| Nitrate as N                                | 855    | 41   | 22   | mg/L  | 903         | ND                                                       | 94.7 | 78-120      |      |           |       |
| <b>Matrix Spike (9D15066-MS2)</b>           |        |      |      |       |             | Source: A9D1317-06 Prepared: 04/15/09 Analyzed: 04/16/09 |      |             |      |           |       |
| Sulfate                                     | 2110   | 5.2  |      | mg/L  | 1000        | 1030                                                     | 108  | 87-114      |      |           |       |
| Nitrate as N                                | 56.1   | 2.1  | 1.1  | mg/L  | 45.2        | 13.3                                                     | 94.7 | 78-120      |      |           |       |
| <b>Matrix Spike Dup (9D15066-MSD1)</b>      |        |      |      |       |             | Source: A9D1317-02 Prepared: 04/15/09 Analyzed: 04/16/09 |      |             |      |           |       |
| Sulfate                                     | 65600  | 100  |      | mg/L  | 20000       | 46100                                                    | 97.7 | 87-114      | 1.37 | 20        | QOcal |
| Nitrate as N                                | 841    | 41   | 22   | mg/L  | 903         | ND                                                       | 93.1 | 78-120      | 1.65 | 20        |       |



**E.S.BABCOCK**&Sons, Inc.  
Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 5 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1352**

Report Date: 27-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Aggregate Organic Compounds - Batch Quality Control**

| Analyte(s)                             | Result | RDL  | MDL | Units | Spike Level | Source Result                                                   | %REC | %REC Limits | RPD   | RPD Limit | Flag |
|----------------------------------------|--------|------|-----|-------|-------------|-----------------------------------------------------------------|------|-------------|-------|-----------|------|
| <b>Batch 9D17006 - As recieved</b>     |        |      |     |       |             |                                                                 |      |             |       |           |      |
| <b>Blank (9D17006-BLK1)</b>            |        |      |     |       |             | Prepared: 04/17/09 Analyzed: 04/18/09                           |      |             |       |           |      |
| Total Organic Carbon                   | ND     | 0.70 |     | mg/L  |             |                                                                 |      |             |       |           |      |
| <b>Blank (9D17006-BLK2)</b>            |        |      |     |       |             | Prepared: 04/17/09 Analyzed: 04/18/09                           |      |             |       |           |      |
| Total Organic Carbon                   | ND     | 0.70 |     | mg/L  |             |                                                                 |      |             |       |           |      |
| <b>LCS (9D17006-BS1)</b>               |        |      |     |       |             | Prepared: 04/17/09 Analyzed: 04/18/09                           |      |             |       |           |      |
| Total Organic Carbon                   | 3.98   | 0.70 |     | mg/L  | 4.00        |                                                                 | 99.4 | 90-110      |       |           |      |
| <b>LCS (9D17006-BS2)</b>               |        |      |     |       |             | Prepared: 04/17/09 Analyzed: 04/18/09                           |      |             |       |           |      |
| Total Organic Carbon                   | 4.06   | 0.70 |     | mg/L  | 4.00        |                                                                 | 102  | 90-110      |       |           |      |
| <b>Matrix Spike (9D17006-MS1)</b>      |        |      |     |       |             | <b>Source: A9D1317-03</b> Prepared: 04/17/09 Analyzed: 04/18/09 |      |             |       |           |      |
| Total Organic Carbon                   | 17.2   | 0.70 |     | mg/L  | 4.00        | 13.0                                                            | 105  | 80-120      |       |           |      |
| <b>Matrix Spike Dup (9D17006-MSD1)</b> |        |      |     |       |             | <b>Source: A9D1317-03</b> Prepared: 04/17/09 Analyzed: 04/18/09 |      |             |       |           |      |
| Total Organic Carbon                   | 17.2   | 0.70 |     | mg/L  | 4.00        | 13.0                                                            | 106  | 80-120      | 0.174 | 10        |      |



**E.S.BABCOCK & Sons, Inc.**  
Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 6 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1352**

Report Date: 27-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**General Inorganics - Batch Quality Control**

| Analyte(s)                                  | Result | RDL  | MDL   | Units | Spike Level | Source Result                                           | %REC | %REC Limits | RPD   | RPD Limit | Flag |
|---------------------------------------------|--------|------|-------|-------|-------------|---------------------------------------------------------|------|-------------|-------|-----------|------|
| <b>Batch 9D15072 - Analyzed as received</b> |        |      |       |       |             |                                                         |      |             |       |           |      |
| <b>Blank (9D15072-BLK1)</b>                 |        |      |       |       |             | Prepared & Analyzed: 04/15/09                           |      |             |       |           |      |
| Sulfide                                     | ND     | 0.10 |       | mg/L  |             |                                                         |      |             |       |           |      |
| <b>Duplicate (9D15072-DUP1)</b>             |        |      |       |       |             | <b>Source: A9D1352-01</b> Prepared & Analyzed: 04/15/09 |      |             |       |           |      |
| Sulfide                                     | ND     | 0.10 |       | mg/L  |             | ND                                                      |      |             |       | 20        |      |
| <b>Batch 9D16019 - Analyzed as received</b> |        |      |       |       |             |                                                         |      |             |       |           |      |
| <b>Blank (9D16019-BLK1)</b>                 |        |      |       |       |             | Prepared & Analyzed: 04/16/09                           |      |             |       |           |      |
| Perchlorate                                 | ND     | 0.10 | 0.071 | ug/L* |             |                                                         |      |             |       |           |      |
| <b>LCS (9D16019-BS1)</b>                    |        |      |       |       |             | Prepared & Analyzed: 04/16/09                           |      |             |       |           |      |
| Perchlorate                                 | 5.25   | 0.10 | 0.071 | ug/L* | 5.00        |                                                         | 105  | 80-120      |       |           |      |
| <b>Duplicate (9D16019-DUP1)</b>             |        |      |       |       |             | <b>Source: A9D1352-01</b> Prepared & Analyzed: 04/16/09 |      |             |       |           |      |
| Perchlorate                                 | 2110   | 100  | 71    | ug/L* |             | 2470                                                    |      |             | 16.0  | 20        |      |
| <b>Matrix Spike (9D16019-MS1)</b>           |        |      |       |       |             | <b>Source: A9D1352-01</b> Prepared & Analyzed: 04/16/09 |      |             |       |           |      |
| Perchlorate                                 | 7300   | 100  | 71    | ug/L* | 5000        | 2470                                                    | 96.6 | 80-120      |       |           |      |
| <b>Matrix Spike Dup (9D16019-MSD1)</b>      |        |      |       |       |             | <b>Source: A9D1352-01</b> Prepared & Analyzed: 04/16/09 |      |             |       |           |      |
| Perchlorate                                 | 7330   | 100  | 71    | ug/L* | 5000        | 2470                                                    | 97.1 | 80-120      | 0.369 | 20        |      |



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Client Name: Tetra Tech, Inc. - San Bernardino  
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Analytical Report: Page 7 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1352**

Report Date: 27-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Nutrients - Batch Quality Control**

| Analyte(s)                               | Result | RDL   | MDL | Units | Spike Level                                             | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Flag |
|------------------------------------------|--------|-------|-----|-------|---------------------------------------------------------|---------------|------|-------------|-------|-----------|------|
| <b>Batch 9D16003 - Filter if turbid.</b> |        |       |     |       |                                                         |               |      |             |       |           |      |
| <b>LCS (9D16003-BS1)</b>                 |        |       |     |       | Prepared & Analyzed: 04/16/09                           |               |      |             |       |           |      |
| Ortho Phosphate Phosphorus               | 0.545  | 0.050 |     | mg/L  | 0.500                                                   |               | 109  | 90-110      |       |           |      |
| <b>Matrix Spike (9D16003-MS1)</b>        |        |       |     |       | <b>Source: A9D1417-02</b> Prepared & Analyzed: 04/16/09 |               |      |             |       |           |      |
| Ortho Phosphate Phosphorus               | 0.687  | 0.050 |     | mg/L  | 0.500                                                   | 0.127         | 112  | 80-120      |       |           |      |
| <b>Matrix Spike Dup (9D16003-MSD1)</b>   |        |       |     |       | <b>Source: A9D1417-02</b> Prepared & Analyzed: 04/16/09 |               |      |             |       |           |      |
| Ortho Phosphate Phosphorus               | 0.693  | 0.050 |     | mg/L  | 0.500                                                   | 0.127         | 113  | 80-120      | 0.870 | 20        |      |



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Analytical Report: Page 8 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1352**

Report Date: 27-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Metals and Metalloids - Batch Quality Control**

| Analyte(s)                                  | Result  | RDL    | MDL      | Units | Spike Level | Source Result                                           | %REC | %REC Limits | RPD   | RPD Limit | Flag |
|---------------------------------------------|---------|--------|----------|-------|-------------|---------------------------------------------------------|------|-------------|-------|-----------|------|
| <b>Batch 9D15057 - 200.8/ No Digest M12</b> |         |        |          |       |             |                                                         |      |             |       |           |      |
| <b>Blank (9D15057-BLK1)</b>                 |         |        |          |       |             | Prepared & Analyzed: 04/17/09                           |      |             |       |           |      |
| Mercury                                     | ND      | 0.0010 | 0.000032 | mg/L  |             |                                                         |      |             |       |           |      |
| <b>LCS (9D15057-BS1)</b>                    |         |        |          |       |             | Prepared & Analyzed: 04/17/09                           |      |             |       |           |      |
| Mercury                                     | 0.00709 | 0.0010 | 0.000032 | mg/L  | 0.00800     |                                                         | 88.6 | 85-115      |       |           |      |
| <b>Matrix Spike (9D15057-MS1)</b>           |         |        |          |       |             | <b>Source: A9D1352-02</b> Prepared & Analyzed: 04/17/09 |      |             |       |           |      |
| Mercury                                     | 0.00762 | 0.0010 | 0.000032 | mg/L  | 0.00800     | ND                                                      | 95.3 | 75-125      |       |           |      |
| <b>Matrix Spike Dup (9D15057-MSD1)</b>      |         |        |          |       |             | <b>Source: A9D1352-02</b> Prepared & Analyzed: 04/17/09 |      |             |       |           |      |
| Mercury                                     | 0.00773 | 0.0010 | 0.000032 | mg/L  | 0.00800     | ND                                                      | 96.6 | 75-125      | 1.41  | 20        |      |
| <b>Batch 9D20046 - EPA 3015A SOP M02A</b>   |         |        |          |       |             |                                                         |      |             |       |           |      |
| <b>Blank (9D20046-BLK1)</b>                 |         |        |          |       |             | Prepared & Analyzed: 04/23/09                           |      |             |       |           |      |
| Mercury                                     | ND      | 0.0010 | 0.000032 | mg/L  |             |                                                         |      |             |       |           |      |
| <b>LCS (9D20046-BS1)</b>                    |         |        |          |       |             | Prepared & Analyzed: 04/23/09                           |      |             |       |           |      |
| Mercury                                     | 0.00340 | 0.0010 | 0.000032 | mg/L  | 0.00334     |                                                         | 102  | 85-115      |       |           |      |
| <b>Matrix Spike (9D20046-MS1)</b>           |         |        |          |       |             | <b>Source: A9D1667-06</b> Prepared & Analyzed: 04/23/09 |      |             |       |           |      |
| Mercury                                     | 0.00324 | 0.0010 | 0.000032 | mg/L  | 0.00334     | ND                                                      | 97.0 | 75-125      |       |           |      |
| <b>Matrix Spike Dup (9D20046-MSD1)</b>      |         |        |          |       |             | <b>Source: A9D1667-06</b> Prepared & Analyzed: 04/23/09 |      |             |       |           |      |
| Mercury                                     | 0.00321 | 0.0010 | 0.000032 | mg/L  | 0.00334     | ND                                                      | 96.2 | 75-125      | 0.806 | 20        |      |



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Analytical Report: Page 9 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1352**

Report Date: 27-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Metals and Metalloids; EPA SW846 Series - Batch Quality Control**

| Analyte(s)                                  | Result | RDL    | MDL      | Units | Spike Level | Source Result                 | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---------------------------------------------|--------|--------|----------|-------|-------------|-------------------------------|------|-------------|-----|-----------|------|
| <b>Batch 9D15057 - 200.8/ No Digest M12</b> |        |        |          |       |             |                               |      |             |     |           |      |
| <b>Blank (9D15057-BLK1)</b>                 |        |        |          |       |             | Prepared & Analyzed: 04/17/09 |      |             |     |           |      |
| Antimony                                    | ND     | 0.0060 | 0.0030   | mg/L  |             |                               |      |             |     |           |      |
| Arsenic                                     | ND     | 0.0020 | 0.0016   | mg/L  |             |                               |      |             |     |           |      |
| Barium                                      | ND     | 0.10   | 0.000056 | mg/L  |             |                               |      |             |     |           |      |
| Beryllium                                   | ND     | 0.0010 | 0.00017  | mg/L  |             |                               |      |             |     |           |      |
| Cadmium                                     | ND     | 0.0010 | 0.000077 | mg/L  |             |                               |      |             |     |           |      |
| Total Chromium                              | ND     | 0.010  | 0.00050  | mg/L  |             |                               |      |             |     |           |      |
| Cobalt                                      | ND     | 0.010  | 0.00028  | mg/L  |             |                               |      |             |     |           |      |
| Copper                                      | ND     | 0.010  | 0.0019   | mg/L  |             |                               |      |             |     |           |      |
| Lead                                        | ND     | 0.0050 | 0.000084 | mg/L  |             |                               |      |             |     |           |      |
| Molybdenum                                  | ND     | 0.010  | 0.00090  | mg/L  |             |                               |      |             |     |           |      |
| Nickel                                      | ND     | 0.010  | 0.0015   | mg/L  |             |                               |      |             |     |           |      |
| Selenium                                    | ND     | 0.0050 | 0.0025   | mg/L  |             |                               |      |             |     |           |      |
| Silver                                      | ND     | 0.010  | 0.0050   | mg/L  |             |                               |      |             |     |           |      |
| Thallium                                    | ND     | 0.0010 | 0.00098  | mg/L  |             |                               |      |             |     |           |      |
| Vanadium                                    | ND     | 0.010  | 0.0027   | mg/L  |             |                               |      |             |     |           |      |
| Zinc                                        | ND     | 0.010  | 0.0014   | mg/L  |             |                               |      |             |     |           |      |
| <b>LCS (9D15057-BS1)</b>                    |        |        |          |       |             | Prepared & Analyzed: 04/17/09 |      |             |     |           |      |
| Antimony                                    | 0.106  | 0.0060 | 0.0030   | mg/L  | 0.100       |                               | 106  | 85-115      |     |           |      |
| Arsenic                                     | 0.0974 | 0.0020 | 0.0016   | mg/L  | 0.100       |                               | 97.4 | 85-115      |     |           |      |
| Barium                                      | 0.102  | 0.10   | 0.000056 | mg/L  | 0.100       |                               | 102  | 85-115      |     |           |      |
| Beryllium                                   | 0.0955 | 0.0010 | 0.00017  | mg/L  | 0.100       |                               | 95.5 | 85-115      |     |           |      |
| Cadmium                                     | 0.0981 | 0.0010 | 0.000077 | mg/L  | 0.100       |                               | 98.1 | 85-115      |     |           |      |
| Total Chromium                              | 0.101  | 0.010  | 0.00050  | mg/L  | 0.100       |                               | 101  | 85-115      |     |           |      |
| Cobalt                                      | 0.103  | 0.010  | 0.00028  | mg/L  | 0.100       |                               | 103  | 85-115      |     |           |      |
| Copper                                      | 0.103  | 0.010  | 0.0019   | mg/L  | 0.100       |                               | 103  | 85-115      |     |           |      |
| Lead                                        | 0.0993 | 0.0050 | 0.000084 | mg/L  | 0.100       |                               | 99.3 | 85-115      |     |           |      |
| Molybdenum                                  | 0.105  | 0.010  | 0.00090  | mg/L  | 0.100       |                               | 105  | 85-115      |     |           |      |
| Nickel                                      | 0.102  | 0.010  | 0.0015   | mg/L  | 0.100       |                               | 102  | 85-115      |     |           |      |
| Selenium                                    | 0.0951 | 0.0050 | 0.0025   | mg/L  | 0.100       |                               | 95.1 | 85-115      |     |           |      |
| Silver                                      | 0.103  | 0.010  | 0.0050   | mg/L  | 0.100       |                               | 103  | 85-115      |     |           |      |
| Thallium                                    | 0.0981 | 0.0010 | 0.00098  | mg/L  | 0.100       |                               | 98.1 | 85-115      |     |           |      |
| Vanadium                                    | 0.0994 | 0.010  | 0.0027   | mg/L  | 0.100       |                               | 99.4 | 85-115      |     |           |      |
| Zinc                                        | 0.0978 | 0.010  | 0.0014   | mg/L  | 0.100       |                               | 97.8 | 85-115      |     |           |      |



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Analytical Report: Page 10 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1352**

Report Date: 27-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Metals and Metalloids; EPA SW846 Series - Batch Quality Control**

| Analyte(s)                                  | Result | RDL    | MDL                       | Units | Spike Level | Source Result                 | %REC | %REC Limits | RPD   | RPD Limit | Flag |
|---------------------------------------------|--------|--------|---------------------------|-------|-------------|-------------------------------|------|-------------|-------|-----------|------|
| <b>Batch 9D15057 - 200.8/ No Digest M12</b> |        |        |                           |       |             |                               |      |             |       |           |      |
| <b>Matrix Spike (9D15057-MS1)</b>           |        |        | <b>Source: A9D1352-02</b> |       |             | Prepared & Analyzed: 04/17/09 |      |             |       |           |      |
| Antimony                                    | 0.108  | 0.0060 | 0.0030                    | mg/L  | 0.100       | ND                            | 108  | 75-125      |       |           |      |
| Arsenic                                     | 0.108  | 0.0020 | 0.0016                    | mg/L  | 0.100       | 0.00349                       | 104  | 75-125      |       |           |      |
| Barium                                      | 0.231  | 0.10   | 0.000056                  | mg/L  | 0.100       | 0.128                         | 103  | 75-125      |       |           |      |
| Beryllium                                   | 0.0985 | 0.0010 | 0.00017                   | mg/L  | 0.100       | 0.000422                      | 98.0 | 75-125      |       |           |      |
| Cadmium                                     | 0.101  | 0.0010 | 0.000077                  | mg/L  | 0.100       | 0.000446                      | 101  | 75-125      |       |           |      |
| Total Chromium                              | 0.110  | 0.010  | 0.00050                   | mg/L  | 0.100       | 0.00994                       | 101  | 75-125      |       |           |      |
| Cobalt                                      | 0.104  | 0.010  | 0.00028                   | mg/L  | 0.100       | 0.00282                       | 101  | 75-125      |       |           |      |
| Copper                                      | 0.118  | 0.010  | 0.0019                    | mg/L  | 0.100       | 0.0237                        | 94.7 | 75-125      |       |           |      |
| Lead                                        | 0.103  | 0.0050 | 0.000084                  | mg/L  | 0.100       | 0.00497                       | 98.2 | 75-125      |       |           |      |
| Molybdenum                                  | 0.142  | 0.010  | 0.00090                   | mg/L  | 0.100       | 0.0359                        | 106  | 75-125      |       |           |      |
| Nickel                                      | 0.109  | 0.010  | 0.0015                    | mg/L  | 0.100       | 0.0118                        | 96.9 | 75-125      |       |           |      |
| Selenium                                    | 0.103  | 0.0050 | 0.0025                    | mg/L  | 0.100       | ND                            | 103  | 75-125      |       |           |      |
| Silver                                      | 0.101  | 0.010  | 0.0050                    | mg/L  | 0.100       | ND                            | 101  | 75-125      |       |           |      |
| Thallium                                    | 0.0957 | 0.0010 | 0.00098                   | mg/L  | 0.100       | ND                            | 95.7 | 75-125      |       |           |      |
| Vanadium                                    | 0.128  | 0.010  | 0.0027                    | mg/L  | 0.100       | 0.0234                        | 105  | 75-125      |       |           |      |
| Zinc                                        | 0.235  | 0.010  | 0.0014                    | mg/L  | 0.100       | 0.133                         | 102  | 75-125      |       |           |      |
| <b>Matrix Spike Dup (9D15057-MSD1)</b>      |        |        | <b>Source: A9D1352-02</b> |       |             | Prepared & Analyzed: 04/17/09 |      |             |       |           |      |
| Antimony                                    | 0.110  | 0.0060 | 0.0030                    | mg/L  | 0.100       | ND                            | 110  | 75-125      | 2.45  | 20        |      |
| Arsenic                                     | 0.108  | 0.0020 | 0.0016                    | mg/L  | 0.100       | 0.00349                       | 104  | 75-125      | 0.297 | 20        |      |
| Barium                                      | 0.220  | 0.10   | 0.000056                  | mg/L  | 0.100       | 0.128                         | 92.3 | 75-125      | 4.82  | 20        |      |
| Beryllium                                   | 0.100  | 0.0010 | 0.00017                   | mg/L  | 0.100       | 0.000422                      | 99.9 | 75-125      | 1.85  | 20        |      |
| Cadmium                                     | 0.102  | 0.0010 | 0.000077                  | mg/L  | 0.100       | 0.000446                      | 102  | 75-125      | 0.883 | 20        |      |
| Total Chromium                              | 0.114  | 0.010  | 0.00050                   | mg/L  | 0.100       | 0.00994                       | 104  | 75-125      | 2.77  | 20        |      |
| Cobalt                                      | 0.106  | 0.010  | 0.00028                   | mg/L  | 0.100       | 0.00282                       | 104  | 75-125      | 2.35  | 20        |      |
| Copper                                      | 0.119  | 0.010  | 0.0019                    | mg/L  | 0.100       | 0.0237                        | 95.0 | 75-125      | 0.295 | 20        |      |
| Lead                                        | 0.106  | 0.0050 | 0.000084                  | mg/L  | 0.100       | 0.00497                       | 101  | 75-125      | 3.04  | 20        |      |
| Molybdenum                                  | 0.139  | 0.010  | 0.00090                   | mg/L  | 0.100       | 0.0359                        | 103  | 75-125      | 2.46  | 20        |      |
| Nickel                                      | 0.111  | 0.010  | 0.0015                    | mg/L  | 0.100       | 0.0118                        | 98.9 | 75-125      | 1.82  | 20        |      |
| Selenium                                    | 0.105  | 0.0050 | 0.0025                    | mg/L  | 0.100       | ND                            | 105  | 75-125      | 1.84  | 20        |      |
| Silver                                      | 0.102  | 0.010  | 0.0050                    | mg/L  | 0.100       | ND                            | 102  | 75-125      | 0.790 | 20        |      |
| Thallium                                    | 0.0984 | 0.0010 | 0.00098                   | mg/L  | 0.100       | ND                            | 98.4 | 75-125      | 2.78  | 20        |      |
| Vanadium                                    | 0.127  | 0.010  | 0.0027                    | mg/L  | 0.100       | 0.0234                        | 103  | 75-125      | 1.19  | 20        |      |
| Zinc                                        | 0.223  | 0.010  | 0.0014                    | mg/L  | 0.100       | 0.133                         | 90.2 | 75-125      | 5.09  | 20        |      |





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Analytical Report: Page 11 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1352**

Report Date: 27-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Metals and Metalloids; EPA SW846 Series - Batch Quality Control**

| Analyte(s)                                | Result   | RDL    | MDL      | Units | Spike Level                   | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|-------------------------------------------|----------|--------|----------|-------|-------------------------------|---------------|------|-------------|-----|-----------|------|
| <b>Batch 9D20046 - EPA 3015A SOP M02A</b> |          |        |          |       |                               |               |      |             |     |           |      |
| <b>Blank (9D20046-BLK1)</b>               |          |        |          |       | Prepared & Analyzed: 04/23/09 |               |      |             |     |           |      |
| Antimony                                  | ND       | 0.0060 | 0.0030   | mg/L  |                               |               |      |             |     |           |      |
| Arsenic                                   | ND       | 0.0020 | 0.0016   | mg/L  |                               |               |      |             |     |           |      |
| Barium                                    | 0.000106 | 0.10   | 0.000056 | mg/L  |                               |               |      |             |     |           | J    |
| Beryllium                                 | ND       | 0.0010 | 0.00017  | mg/L  |                               |               |      |             |     |           |      |
| Cadmium                                   | ND       | 0.0010 | 0.000077 | mg/L  |                               |               |      |             |     |           |      |
| Total Chromium                            | ND       | 0.010  | 0.00050  | mg/L  |                               |               |      |             |     |           |      |
| Cobalt                                    | ND       | 0.010  | 0.00028  | mg/L  |                               |               |      |             |     |           |      |
| Copper                                    | ND       | 0.010  | 0.0019   | mg/L  |                               |               |      |             |     |           |      |
| Lead                                      | ND       | 0.0050 | 0.000084 | mg/L  |                               |               |      |             |     |           |      |
| Molybdenum                                | ND       | 0.010  | 0.00090  | mg/L  |                               |               |      |             |     |           |      |
| Nickel                                    | ND       | 0.010  | 0.0015   | mg/L  |                               |               |      |             |     |           |      |
| Selenium                                  | ND       | 0.0050 | 0.0025   | mg/L  |                               |               |      |             |     |           |      |
| Silver                                    | ND       | 0.010  | 0.0050   | mg/L  |                               |               |      |             |     |           |      |
| Thallium                                  | ND       | 0.0010 | 0.00098  | mg/L  |                               |               |      |             |     |           |      |
| Vanadium                                  | ND       | 0.010  | 0.0027   | mg/L  |                               |               |      |             |     |           |      |
| <b>LCS (9D20046-BS1)</b>                  |          |        |          |       | Prepared & Analyzed: 04/23/09 |               |      |             |     |           |      |
| Antimony                                  | 0.192    | 0.0060 | 0.0030   | mg/L  | 0.167                         |               | 115  | 85-115      |     |           |      |
| Arsenic                                   | 0.177    | 0.0020 | 0.0016   | mg/L  | 0.167                         |               | 106  | 85-115      |     |           |      |
| Barium                                    | 0.176    | 0.10   | 0.000056 | mg/L  | 0.167                         |               | 106  | 85-115      |     |           |      |
| Beryllium                                 | 0.179    | 0.0010 | 0.00017  | mg/L  | 0.167                         |               | 108  | 85-115      |     |           |      |
| Cadmium                                   | 0.174    | 0.0010 | 0.000077 | mg/L  | 0.167                         |               | 104  | 85-115      |     |           |      |
| Total Chromium                            | 0.169    | 0.010  | 0.00050  | mg/L  | 0.167                         |               | 101  | 85-115      |     |           |      |
| Cobalt                                    | 0.175    | 0.010  | 0.00028  | mg/L  | 0.167                         |               | 105  | 85-115      |     |           |      |
| Copper                                    | 0.169    | 0.010  | 0.0019   | mg/L  | 0.167                         |               | 102  | 85-115      |     |           |      |
| Lead                                      | 0.170    | 0.0050 | 0.000084 | mg/L  | 0.167                         |               | 102  | 85-115      |     |           |      |
| Molybdenum                                | 0.188    | 0.010  | 0.00090  | mg/L  | 0.167                         |               | 113  | 85-115      |     |           |      |
| Nickel                                    | 0.179    | 0.010  | 0.0015   | mg/L  | 0.167                         |               | 107  | 85-115      |     |           |      |
| Selenium                                  | 0.177    | 0.0050 | 0.0025   | mg/L  | 0.167                         |               | 106  | 85-115      |     |           |      |
| Silver                                    | 0.168    | 0.010  | 0.0050   | mg/L  | 0.167                         |               | 101  | 85-115      |     |           |      |
| Thallium                                  | 0.170    | 0.0010 | 0.00098  | mg/L  | 0.167                         |               | 102  | 85-115      |     |           |      |
| Vanadium                                  | 0.175    | 0.010  | 0.0027   | mg/L  | 0.167                         |               | 105  | 85-115      |     |           |      |



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Analytical Report: Page 12 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1352**

Report Date: 27-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Metals and Metalloids; EPA SW846 Series - Batch Quality Control**

| Analyte(s)                                | Result | RDL    | MDL                       | Units | Spike Level | Source Result                 | %REC | %REC Limits | RPD   | RPD Limit | Flag  |
|-------------------------------------------|--------|--------|---------------------------|-------|-------------|-------------------------------|------|-------------|-------|-----------|-------|
| <b>Batch 9D20046 - EPA 3015A SOP M02A</b> |        |        |                           |       |             |                               |      |             |       |           |       |
| <b>Matrix Spike (9D20046-MS1)</b>         |        |        | <b>Source: A9D1667-06</b> |       |             | Prepared & Analyzed: 04/23/09 |      |             |       |           |       |
| Antimony                                  | 0.191  | 0.0060 | 0.0030                    | mg/L  | 0.167       | ND                            | 115  | 75-125      |       |           |       |
| Arsenic                                   | 0.168  | 0.0020 | 0.0016                    | mg/L  | 0.167       | 0.00266                       | 99.2 | 75-125      |       |           |       |
| Barium                                    | 0.154  | 0.10   | 0.000056                  | mg/L  | 0.167       | 0.0175                        | 81.9 | 75-125      |       |           |       |
| Beryllium                                 | 0.150  | 0.0010 | 0.00017                   | mg/L  | 0.167       | 0.00267                       | 88.4 | 75-125      |       |           |       |
| Cadmium                                   | 0.287  | 0.0010 | 0.000077                  | mg/L  | 0.167       | 0.117                         | 102  | 75-125      |       |           |       |
| Total Chromium                            | 0.400  | 0.010  | 0.00050                   | mg/L  | 0.167       | 0.231                         | 101  | 75-125      |       |           |       |
| Cobalt                                    | 0.233  | 0.010  | 0.00028                   | mg/L  | 0.167       | 0.0678                        | 99.1 | 75-125      |       |           |       |
| Copper                                    | 0.366  | 0.010  | 0.0019                    | mg/L  | 0.167       | 0.217                         | 89.2 | 75-125      |       |           |       |
| Lead                                      | 0.167  | 0.0050 | 0.000084                  | mg/L  | 0.167       | 0.000589                      | 99.8 | 75-125      |       |           |       |
| Molybdenum                                | 0.186  | 0.010  | 0.00090                   | mg/L  | 0.167       | ND                            | 111  | 75-125      |       |           |       |
| Nickel                                    | 1.41   | 0.010  | 0.0015                    | mg/L  | 0.167       | 1.26                          | 91.8 | 75-125      |       |           |       |
| Selenium                                  | 0.183  | 0.0050 | 0.0025                    | mg/L  | 0.167       | 0.0133                        | 102  | 75-125      |       |           |       |
| Silver                                    | 0.158  | 0.010  | 0.0050                    | mg/L  | 0.167       | ND                            | 94.6 | 75-125      |       |           |       |
| Thallium                                  | 0.125  | 0.0010 | 0.00098                   | mg/L  | 0.167       | ND                            | 74.9 | 75-125      |       |           | Qrnd  |
| Vanadium                                  | 0.174  | 0.010  | 0.0027                    | mg/L  | 0.167       | ND                            | 105  | 75-125      |       |           |       |
| <b>Matrix Spike Dup (9D20046-MSD1)</b>    |        |        | <b>Source: A9D1667-06</b> |       |             | Prepared & Analyzed: 04/23/09 |      |             |       |           |       |
| Antimony                                  | 0.190  | 0.0060 | 0.0030                    | mg/L  | 0.167       | ND                            | 114  | 75-125      | 0.706 | 20        |       |
| Arsenic                                   | 0.169  | 0.0020 | 0.0016                    | mg/L  | 0.167       | 0.00266                       | 99.6 | 75-125      | 0.385 | 20        |       |
| Barium                                    | 0.157  | 0.10   | 0.000056                  | mg/L  | 0.167       | 0.0175                        | 83.5 | 75-125      | 1.71  | 20        |       |
| Beryllium                                 | 0.150  | 0.0010 | 0.00017                   | mg/L  | 0.167       | 0.00267                       | 88.3 | 75-125      | 0.123 | 20        |       |
| Cadmium                                   | 0.284  | 0.0010 | 0.000077                  | mg/L  | 0.167       | 0.117                         | 100  | 75-125      | 1.03  | 20        |       |
| Total Chromium                            | 0.394  | 0.010  | 0.00050                   | mg/L  | 0.167       | 0.231                         | 97.6 | 75-125      | 1.59  | 20        |       |
| Cobalt                                    | 0.231  | 0.010  | 0.00028                   | mg/L  | 0.167       | 0.0678                        | 98.0 | 75-125      | 0.770 | 20        |       |
| Copper                                    | 0.361  | 0.010  | 0.0019                    | mg/L  | 0.167       | 0.217                         | 86.1 | 75-125      | 1.41  | 20        |       |
| Lead                                      | 0.165  | 0.0050 | 0.000084                  | mg/L  | 0.167       | 0.000589                      | 98.9 | 75-125      | 0.845 | 20        |       |
| Molybdenum                                | 0.183  | 0.010  | 0.00090                   | mg/L  | 0.167       | ND                            | 110  | 75-125      | 1.47  | 20        |       |
| Nickel                                    | 1.38   | 0.010  | 0.0015                    | mg/L  | 0.167       | 1.26                          | 74.8 | 75-125      | 2.02  | 20        | QM-4X |
| Selenium                                  | 0.184  | 0.0050 | 0.0025                    | mg/L  | 0.167       | 0.0133                        | 102  | 75-125      | 0.702 | 20        |       |
| Silver                                    | 0.156  | 0.010  | 0.0050                    | mg/L  | 0.167       | ND                            | 93.9 | 75-125      | 0.746 | 20        |       |
| Thallium                                  | 0.129  | 0.0010 | 0.00098                   | mg/L  | 0.167       | ND                            | 77.2 | 75-125      | 2.92  | 20        |       |
| Vanadium                                  | 0.175  | 0.010  | 0.0027                    | mg/L  | 0.167       | ND                            | 105  | 75-125      | 0.643 | 20        |       |



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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 13 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

Report Date: 27-Apr-2009

**Work Order Number: A9D1352**

Received on Ice (Y/N): Yes Temp: 15 °C

**Metals and Metalloids; EPA SW846 Series - Batch Quality Control**

| Analyte(s)                                | Result  | RDL   | MDL    | Units | Spike Level                                             | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Flag  |
|-------------------------------------------|---------|-------|--------|-------|---------------------------------------------------------|---------------|------|-------------|------|-----------|-------|
| <b>Batch 9D23054 - EPA 200.2 SOP M02C</b> |         |       |        |       |                                                         |               |      |             |      |           |       |
| <b>Blank (9D23054-BLK1)</b>               |         |       |        |       | Prepared & Analyzed: 04/24/09                           |               |      |             |      |           |       |
| Zinc                                      | 0.00478 | 0.010 | 0.0014 | mg/L  |                                                         |               |      |             |      |           | J     |
| <b>LCS (9D23054-BS1)</b>                  |         |       |        |       | Prepared & Analyzed: 04/24/09                           |               |      |             |      |           |       |
| Zinc                                      | 0.189   | 0.010 | 0.0014 | mg/L  | 0.167                                                   |               | 113  | 85-115      |      |           |       |
| <b>Matrix Spike (9D23054-MS1)</b>         |         |       |        |       | <b>Source: A9D1815-01</b> Prepared & Analyzed: 04/24/09 |               |      |             |      |           |       |
| Zinc                                      | 3.15    | 0.010 | 0.0014 | mg/L  | 0.167                                                   | 3.32          | NR   | 75-125      |      |           | QM-4X |
| <b>Matrix Spike Dup (9D23054-MSD1)</b>    |         |       |        |       | <b>Source: A9D1815-01</b> Prepared & Analyzed: 04/24/09 |               |      |             |      |           |       |
| Zinc                                      | 3.09    | 0.010 | 0.0014 | mg/L  | 0.167                                                   | 3.32          | NR   | 75-125      | 1.71 | 20        | QM-4X |



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San Bernardino, CA 92408-3216

Analytical Report: Page 14 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1352**

Report Date: 27-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

## Notes and Definitions

- J Estimated value
- N\_RLm Due to sample matrix, the reporting limit has been raised.
- QM-4X Due to analyte concentration greater than or equal to 4 times the spike concentration, recoveries for the MS and/or MSD did not meet laboratory acceptance criteria.
- QOcal The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
- Qrnd The precision and/or accuracy criteria has been met when rounded to the nearest whole percentage value.
- ND: Analyte NOT DETECTED at or above the Method Detection Limit (**if MDL is reported**), otherwise at or above the Reportable Detection Limit (RDL)
- NR: Not Reported
- RDL: Reportable Detection Limit
- MDL: Method Detection Limit

\* / (Non-NELAP): NELAP does not offer accreditation for this analyte/method/matrix combination

---

## Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

*Lawrence J. Chrystal*

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Lawrence J. Chrystal

Laboratory Director

cc:

ESB\_mdI\_PDF Report

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CA ELAP no. 2698  
EPA no. CA00102



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Client Name: Tetra Tech, Inc. - San Bernardino  
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Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 15 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

Work Order Number: A9D1352

Report Date: 27-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

# CHAIN OF CUSTODY RECORD

SHIP TO: E.S. Babcock & Sons

Quail Valley Ct  
Riverside, CA 92507  
951-653-3351

TETRA TECH, INC.

348 W. Hospitality Lane, Suite 100  
San Bernardino, California 92408  
Telephone: (909) 381-1674  
FAX: (909) 889-1391



DATE 04/15/2009 PAGE 1 OF 1

| CLIENT: Tetra Tech |                  |            | PARAMETERS            |      |      |                 |            |                 |                     |                 |             |                 | TURN-AROUND TIME |                | OBSERVATIONS/COMMENTS |                |                      |                      |
|--------------------|------------------|------------|-----------------------|------|------|-----------------|------------|-----------------|---------------------|-----------------|-------------|-----------------|------------------|----------------|-----------------------|----------------|----------------------|----------------------|
| PROJECT NAME:      | PROJECT MANAGER: | TC #       | SAMPLERS (Signatures) | DATE | TIME | VOLs (500-8000) | TC (6-100) | Chloride (6000) | Perchlorate (350.0) | Nitrate (500.0) | TDC (415.1) | Sulfate (376.1) | Dissolved (6000) | Ammonia (7474) |                       | CONTAINER TYPE | NUMBER OF CONTAINERS | PRESERVATIVE         |
| 1.                 | TB-041503        | 04/15/2009 | 1400                  |      |      | X               |            |                 |                     |                 |             |                 |                  |                |                       | W              | 2                    | H <sub>2</sub> O     |
| 2.                 | ID02-251204      | 1415       |                       |      |      | X               | X          | X               | X                   | X               | X           | X               | X                | X              |                       | W              | 15                   | RUSH (grs Tank)      |
| 3.                 | ID01-265615      | 1515       |                       |      |      | X               | X          | X               | X                   | X               | X           | X               | X                | X              |                       | W              | 8                    | Normal TA (1st Tank) |
| 4.                 |                  |            |                       |      |      |                 |            |                 |                     |                 |             |                 |                  |                |                       |                |                      |                      |
| 5.                 |                  |            |                       |      |      |                 |            |                 |                     |                 |             |                 |                  |                |                       |                |                      |                      |
| 6.                 |                  |            |                       |      |      |                 |            |                 |                     |                 |             |                 |                  |                |                       |                |                      |                      |
| 7.                 |                  |            |                       |      |      |                 |            |                 |                     |                 |             |                 |                  |                |                       |                |                      |                      |
| 8.                 |                  |            |                       |      |      |                 |            |                 |                     |                 |             |                 |                  |                |                       |                |                      |                      |
| 9.                 |                  |            |                       |      |      |                 |            |                 |                     |                 |             |                 |                  |                |                       |                |                      |                      |
| 10.                |                  |            |                       |      |      |                 |            |                 |                     |                 |             |                 |                  |                |                       |                |                      |                      |

APD1352 APR 15 2009



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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 1 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

### Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u>                     | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u>        | <u>Date Submitted</u> | <u>By</u>        |
|---------------------|---------------------------------------------|---------------|---------------------|------------------|-----------------------|------------------|
| A9D1348-01          | TB-041509 LMC Beaumont Site 2               | Liquid        | 04/15/09 14:00      | David Bertolacci | 04/15/09 16:07        | David Bertolacci |
| A9D1348-02          | IDW2-256204 LMC Beaumont Site 2             | Liquid        | 04/15/09 14:15      | David Bertolacci | 04/15/09 16:07        | David Bertolacci |
| A9D1348-03          | IDW2-256204 (Dissolved) LMC Beaumont Site 2 | Liquid        | 04/15/09 14:15      | David Bertolacci | 04/15/09 16:07        | David Bertolacci |



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Analytical Report: Page 2 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Laboratory Reference Number  
**A9D1348-01**

|                               |               |                          |                           |
|-------------------------------|---------------|--------------------------|---------------------------|
| <u>Sample Description</u>     | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
| TB-041509 LMC Beaumont Site 2 | Liquid        | 04/15/09 14:00           | 04/15/09 16:07            |

| Analyte(s)                              | Result | RDL  | MDL   | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------------|--------|------|-------|-------|-----------|----------------|---------|------|
| Volatile Organic Compounds by EPA 8260B |        |      |       |       |           |                |         |      |
| 1,1,1-Trichloroethane                   | ND     | 0.50 | 0.12  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| 1,1,2,2-Tetrachloroethane               | ND     | 0.50 | 0.29  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| 1,1,2-Trichloroethane                   | ND     | 0.50 | 0.31  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| 1,1-Dichloroethane                      | ND     | 0.50 | 0.098 | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| 1,1-Dichloroethene                      | ND     | 0.50 | 0.12  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| 1,2-Dichlorobenzene                     | ND     | 0.50 | 0.20  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| 1,2-Dichloroethane                      | ND     | 0.50 | 0.21  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| 1,2-Dichloropropane                     | ND     | 0.50 | 0.19  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| 1,3-Dichlorobenzene                     | ND     | 0.50 | 0.15  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| 1,4-Dichlorobenzene                     | ND     | 0.50 | 0.072 | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| 2-Butanone(MEK)                         | ND     | 3.0  | 1.2   | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| 2-Hexanone                              | ND     | 5.0  | 1.2   | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| 4-Methyl-2-Pentanone(MIBK)              | ND     | 5.0  | 0.95  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Acetone                                 | ND     | 5.0  | 5.0   | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Benzene                                 | ND     | 0.50 | 0.14  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Bromodichloromethane                    | ND     | 0.50 | 0.11  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Bromoform                               | ND     | 0.50 | 0.13  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Bromomethane                            | ND     | 0.50 | 0.48  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Carbon Disulfide                        | ND     | 0.50 | 0.36  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Carbon Tetrachloride                    | ND     | 0.50 | 0.15  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Chlorobenzene                           | ND     | 0.50 | 0.23  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Chloroethane                            | ND     | 0.50 | 0.35  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Chloroform                              | ND     | 0.50 | 0.17  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Chloromethane                           | ND     | 0.50 | 0.36  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| cis-1,2-Dichloroethene                  | ND     | 0.50 | 0.18  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| cis-1,3-Dichloropropene                 | ND     | 0.50 | 0.30  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Dibromochloromethane                    | ND     | 0.50 | 0.37  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Ethylbenzene                            | ND     | 0.50 | 0.26  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Methyl tert Butyl Ether                 | ND     | 5.0  | 0.29  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Methylene Chloride                      | ND     | 3.0  | 0.15  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Styrene                                 | ND     | 0.50 | 0.22  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Tetrachloroethene                       | ND     | 0.50 | 0.17  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Toluene                                 | ND     | 0.50 | 0.22  | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |

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CA ELAP no. 2698  
EPA no. CA00102





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Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 3 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Laboratory Reference Number  
**A9D1348-01**

| <u>Sample Description</u>     | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
|-------------------------------|---------------|--------------------------|---------------------------|
| TB-041509 LMC Beaumont Site 2 | Liquid        | 04/15/09 14:00           | 04/15/09 16:07            |

| Analyte(s)                              | Result | RDL  | MDL    | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------------|--------|------|--------|-------|-----------|----------------|---------|------|
| Volatile Organic Compounds by EPA 8260B |        |      |        |       |           |                |         |      |
| trans-1,2-Dichloroethene                | ND     | 0.50 | 0.10   | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| trans-1,3-Dichloropropene               | ND     | 0.50 | 0.24   | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Trichloroethene                         | ND     | 0.50 | 0.17   | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Trichlorofluoromethane                  | ND     | 5.0  | 0.16   | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Vinyl Acetate                           | ND     | 10   | 0.48   | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Vinyl Chloride                          | ND     | 0.50 | 0.13   | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Xylenes (m+p)                           | ND     | 0.50 | 0.36   | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Xylenes (ortho)                         | ND     | 0.50 | 0.41   | ug/L  | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Surrogate: 1,2-Dichloroethane-d4        | 100    | %    | 80-124 |       | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Surrogate: Bromofluorobenzene           | 102    | %    | 71-149 |       | EPA 8260B | 04/18/09 00:50 | eec     |      |
| Surrogate: Toluene-d8                   | 100    | %    | 80-120 |       | EPA 8260B | 04/18/09 00:50 | eec     |      |





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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 4 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Laboratory Reference Number  
**A9D1348-02**

|                                 |               |                          |                           |
|---------------------------------|---------------|--------------------------|---------------------------|
| <u>Sample Description</u>       | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
| IDW2-256204 LMC Beaumont Site 2 | Liquid        | 04/15/09 14:15           | 04/15/09 16:07            |

| Analyte(s)                              | Result  | RDL      | MDL     | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------------|---------|----------|---------|-------|-----------|----------------|---------|------|
| General Inorganics                      |         |          |         |       |           |                |         |      |
| Perchlorate                             | 1300    | 100      | 71      | ug/L* | EPA 332.0 | 04/16/09 21:09 | aa      |      |
| Metals and Metalloids                   |         |          |         |       |           |                |         |      |
| Mercury                                 | 0.00089 | 0.025    | 0.00080 | mg/L  | EPA 200.8 | 04/17/09 18:36 | ap      | J    |
| Metals and Metalloids; EPA SW846 Series |         |          |         |       |           |                |         |      |
| Antimony                                | ND      | 0.15     | 0.075   | mg/L  | EPA 6020  | 04/17/09 18:36 | ap      |      |
| Arsenic                                 | ND      | 0.050    | 0.041   | mg/L  | EPA 6020  | 04/17/09 18:36 | ap      |      |
| Barium                                  | 1.8     | 2.5      | 0.0014  | mg/L  | EPA 6020  | 04/17/09 18:36 | ap      | J    |
| Beryllium                               | 0.0084  | 0.025    | 0.0043  | mg/L  | EPA 6020  | 04/17/09 18:36 | ap      | J    |
| Cadmium                                 | ND      | 0.025    | 0.0019  | mg/L  | EPA 6020  | 04/17/09 18:36 | ap      |      |
| Total Chromium                          | 0.34    | 0.25     | 0.012   | mg/L  | EPA 6020  | 04/17/09 18:36 | ap      |      |
| Cobalt                                  | 0.069   | 0.25     | 0.0069  | mg/L  | EPA 6020  | 04/17/09 18:36 | ap      | J    |
| Copper                                  | 0.34    | 0.25     | 0.048   | mg/L  | EPA 6020  | 04/17/09 18:36 | ap      |      |
| Lead                                    | 0.070   | 0.12     | 0.0021  | mg/L  | EPA 6020  | 04/17/09 18:36 | ap      | J    |
| Molybdenum                              | 0.093   | 0.25     | 0.022   | mg/L  | EPA 6020  | 04/17/09 18:36 | ap      | J    |
| Nickel                                  | 0.18    | 0.25     | 0.037   | mg/L  | EPA 6020  | 04/17/09 18:36 | ap      | J    |
| Selenium                                | ND      | 0.12     | 0.062   | mg/L  | EPA 6020  | 04/17/09 18:36 | ap      |      |
| Silver                                  | ND      | 0.25     | 0.12    | mg/L  | EPA 6020  | 04/17/09 18:36 | ap      |      |
| Thallium                                | ND      | 0.025    | 0.024   | mg/L  | EPA 6020  | 04/17/09 18:36 | ap      |      |
| Vanadium                                | 0.42    | 0.25     | 0.067   | mg/L  | EPA 6020  | 04/17/09 18:36 | ap      |      |
| Zinc                                    | 0.39    | 0.25     | 0.035   | mg/L  | EPA 6020  | 04/17/09 18:36 | ap      |      |
| Diesel Range Organics by EPA 8015       |         |          |         |       |           |                |         |      |
| Diesel Range Hydrocarbons               | ND      | 2.0      | 0.46    | mg/L  | EPA 8015B | 04/21/09 17:29 | cth     |      |
| Surrogate: Decachlorobiphenyl           | 55.7    | % 56-117 |         |       | EPA 8015B | 04/21/09 17:29 | cth     | Nrnd |



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Client Name: Tetra Tech, Inc. - San Bernardino  
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Analytical Report: Page 5 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Laboratory Reference Number  
**A9D1348-02**

|                                 |               |                          |                           |
|---------------------------------|---------------|--------------------------|---------------------------|
| <u>Sample Description</u>       | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
| IDW2-256204 LMC Beaumont Site 2 | Liquid        | 04/15/09 14:15           | 04/15/09 16:07            |

| Analyte(s)                              | Result | RDL      | MDL   | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------------|--------|----------|-------|-------|-----------|----------------|---------|------|
| Gasoline Range Organics by EPA 8015     |        |          |       |       |           |                |         |      |
| Gasoline Range Organics                 | ND     | 0.050    | 0.024 | mg/L  | EPA 8015B | 04/16/09 15:57 | CTH     |      |
| Surrogate: a,a,a-Trifluorotoluene       | 89.0   | % 50-150 |       |       | EPA 8015B | 04/16/09 15:57 | CTH     |      |
| Volatile Organic Compounds by EPA 8260B |        |          |       |       |           |                |         |      |
| 1,1,1-Trichloroethane                   | ND     | 0.50     | 0.12  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| 1,1,2,2-Tetrachloroethane               | ND     | 0.50     | 0.29  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| 1,1,2-Trichloroethane                   | ND     | 0.50     | 0.31  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| 1,1-Dichloroethane                      | ND     | 0.50     | 0.098 | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| 1,1-Dichloroethene                      | ND     | 0.50     | 0.12  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| 1,2-Dichlorobenzene                     | ND     | 0.50     | 0.20  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| 1,2-Dichloroethane                      | ND     | 0.50     | 0.21  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| 1,2-Dichloropropane                     | ND     | 0.50     | 0.19  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| 1,3-Dichlorobenzene                     | ND     | 0.50     | 0.15  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| 1,4-Dichlorobenzene                     | ND     | 0.50     | 0.072 | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| 2-Butanone(MEK)                         | ND     | 3.0      | 1.2   | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| 2-Hexanone                              | ND     | 5.0      | 1.2   | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| 4-Methyl-2-Pentanone(MIBK)              | ND     | 5.0      | 0.95  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Acetone                                 | ND     | 5.0      | 5.0   | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Benzene                                 | ND     | 0.50     | 0.14  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Bromodichloromethane                    | ND     | 0.50     | 0.11  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Bromoform                               | ND     | 0.50     | 0.13  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Bromomethane                            | ND     | 0.50     | 0.48  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Carbon Disulfide                        | ND     | 0.50     | 0.36  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Carbon Tetrachloride                    | ND     | 0.50     | 0.15  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Chlorobenzene                           | ND     | 0.50     | 0.23  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Chloroethane                            | ND     | 0.50     | 0.35  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Chloroform                              | 0.19   | 0.50     | 0.17  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     | J    |
| Chloromethane                           | ND     | 0.50     | 0.36  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| cis-1,2-Dichloroethene                  | ND     | 0.50     | 0.18  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| cis-1,3-Dichloropropene                 | ND     | 0.50     | 0.30  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Dibromochloromethane                    | ND     | 0.50     | 0.37  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Ethylbenzene                            | ND     | 0.50     | 0.26  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Methyl tert Butyl Ether                 | ND     | 5.0      | 0.29  | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |

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Client Name: Tetra Tech, Inc. - San Bernardino  
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Analytical Report: Page 6 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Laboratory Reference Number  
**A9D1348-02**

| <u>Sample Description</u>       | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
|---------------------------------|---------------|--------------------------|---------------------------|
| IDW2-256204 LMC Beaumont Site 2 | Liquid        | 04/15/09 14:15           | 04/15/09 16:07            |

| Analyte(s)                              | Result | RDL  | MDL    | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------------|--------|------|--------|-------|-----------|----------------|---------|------|
| Volatile Organic Compounds by EPA 8260B |        |      |        |       |           |                |         |      |
| Methylene Chloride                      | ND     | 3.0  | 0.15   | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Styrene                                 | ND     | 0.50 | 0.22   | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Tetrachloroethene                       | ND     | 0.50 | 0.17   | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Toluene                                 | 0.43   | 0.50 | 0.22   | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     | J    |
| trans-1,2-Dichloroethene                | ND     | 0.50 | 0.10   | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| trans-1,3-Dichloropropene               | ND     | 0.50 | 0.24   | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Trichloroethene                         | ND     | 0.50 | 0.17   | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Trichlorofluoromethane                  | ND     | 5.0  | 0.16   | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Vinyl Acetate                           | ND     | 10   | 0.48   | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Vinyl Chloride                          | ND     | 0.50 | 0.13   | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Xylenes (m+p)                           | ND     | 0.50 | 0.36   | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Xylenes (ortho)                         | ND     | 0.50 | 0.41   | ug/L  | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Surrogate: 1,2-Dichloroethane-d4        | 103    | %    | 80-124 |       | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Surrogate: Bromofluorobenzene           | 102    | %    | 71-149 |       | EPA 8260B | 04/18/09 01:25 | eec     |      |
| Surrogate: Toluene-d8                   | 101    | %    | 80-120 |       | EPA 8260B | 04/18/09 01:25 | eec     |      |



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Analytical Report: Page 7 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Laboratory Reference Number  
**A9D1348-03**

|                                             |               |                          |                           |
|---------------------------------------------|---------------|--------------------------|---------------------------|
| <u>Sample Description</u>                   | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
| IDW2-256204 (Dissolved) LMC Beaumont Site 2 | Liquid        | 04/15/09 14:15           | 04/15/09 16:07            |

| Analyte(s)                              | Result   | RDL    | MDL      | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------------|----------|--------|----------|-------|-----------|----------------|---------|------|
| Metals and Metalloids                   |          |        |          |       |           |                |         |      |
| Mercury                                 | 0.000083 | 0.0010 | 0.000032 | mg/L  | EPA 200.8 | 04/17/09 18:05 | ap      | J    |
| Metals and Metalloids; EPA SW846 Series |          |        |          |       |           |                |         |      |
| Antimony                                | ND       | 0.0060 | 0.0030   | mg/L  | EPA 6020  | 04/17/09 18:05 | ap      |      |
| Arsenic                                 | 0.0035   | 0.0020 | 0.0016   | mg/L  | EPA 6020  | 04/17/09 18:05 | ap      |      |
| Barium                                  | 0.32     | 0.10   | 0.000056 | mg/L  | EPA 6020  | 04/17/09 18:05 | ap      |      |
| Beryllium                               | 0.0012   | 0.0010 | 0.00017  | mg/L  | EPA 6020  | 04/17/09 18:05 | ap      |      |
| Cadmium                                 | 0.00039  | 0.0010 | 0.000077 | mg/L  | EPA 6020  | 04/17/09 18:05 | ap      | J    |
| Total Chromium                          | 0.023    | 0.010  | 0.00050  | mg/L  | EPA 6020  | 04/17/09 18:05 | ap      |      |
| Cobalt                                  | 0.0049   | 0.010  | 0.00028  | mg/L  | EPA 6020  | 04/17/09 18:05 | ap      | J    |
| Copper                                  | 0.026    | 0.010  | 0.0019   | mg/L  | EPA 6020  | 04/17/09 18:05 | ap      |      |
| Lead                                    | 0.013    | 0.0050 | 0.000084 | mg/L  | EPA 6020  | 04/17/09 18:05 | ap      |      |
| Molybdenum                              | 0.020    | 0.010  | 0.00090  | mg/L  | EPA 6020  | 04/17/09 18:05 | ap      |      |
| Nickel                                  | 0.016    | 0.010  | 0.0015   | mg/L  | EPA 6020  | 04/17/09 18:05 | ap      |      |
| Selenium                                | ND       | 0.0050 | 0.0025   | mg/L  | EPA 6020  | 04/17/09 18:05 | ap      |      |
| Silver                                  | ND       | 0.010  | 0.0050   | mg/L  | EPA 6020  | 04/17/09 18:05 | ap      |      |
| Thallium                                | ND       | 0.0010 | 0.00098  | mg/L  | EPA 6020  | 04/17/09 18:05 | ap      |      |
| Vanadium                                | 0.066    | 0.010  | 0.0027   | mg/L  | EPA 6020  | 04/17/09 18:05 | ap      |      |
| Zinc                                    | 0.076    | 0.010  | 0.0014   | mg/L  | EPA 6020  | 04/17/09 18:05 | ap      |      |



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Analytical Report: Page 8 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**General Inorganics - Batch Quality Control**

| Analyte(s)                                  | Result | RDL  | MDL   | Units | Spike Level | Source Result                                    | %REC | %REC Limits | RPD   | RPD Limit | Flag |
|---------------------------------------------|--------|------|-------|-------|-------------|--------------------------------------------------|------|-------------|-------|-----------|------|
| <b>Batch 9D16019 - Analyzed as received</b> |        |      |       |       |             |                                                  |      |             |       |           |      |
| <b>Blank (9D16019-BLK1)</b>                 |        |      |       |       |             | Prepared & Analyzed: 04/16/09                    |      |             |       |           |      |
| Perchlorate                                 | ND     | 0.10 | 0.071 | ug/L* |             |                                                  |      |             |       |           |      |
| <b>LCS (9D16019-BS1)</b>                    |        |      |       |       |             | Prepared & Analyzed: 04/16/09                    |      |             |       |           |      |
| Perchlorate                                 | 5.25   | 0.10 | 0.071 | ug/L* | 5.00        |                                                  | 105  | 80-120      |       |           |      |
| <b>Duplicate (9D16019-DUP1)</b>             |        |      |       |       |             | Source: A9D1352-01 Prepared & Analyzed: 04/16/09 |      |             |       |           |      |
| Perchlorate                                 | 2110   | 100  | 71    | ug/L* |             | 2470                                             |      |             | 16.0  | 20        |      |
| <b>Matrix Spike (9D16019-MS1)</b>           |        |      |       |       |             | Source: A9D1352-01 Prepared & Analyzed: 04/16/09 |      |             |       |           |      |
| Perchlorate                                 | 7300   | 100  | 71    | ug/L* | 5000        | 2470                                             | 96.6 | 80-120      |       |           |      |
| <b>Matrix Spike Dup (9D16019-MSD1)</b>      |        |      |       |       |             | Source: A9D1352-01 Prepared & Analyzed: 04/16/09 |      |             |       |           |      |
| Perchlorate                                 | 7330   | 100  | 71    | ug/L* | 5000        | 2470                                             | 97.1 | 80-120      | 0.369 | 20        |      |



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Analytical Report: Page 9 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Metals and Metalloids - Batch Quality Control**

| Analyte(s)                                  | Result  | RDL    | MDL      | Units | Spike Level                                             | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Flag |
|---------------------------------------------|---------|--------|----------|-------|---------------------------------------------------------|---------------|------|-------------|------|-----------|------|
| <b>Batch 9D14034 - EPA 3015A SOP M02A</b>   |         |        |          |       |                                                         |               |      |             |      |           |      |
| <b>Blank (9D14034-BLK1)</b>                 |         |        |          |       | Prepared & Analyzed: 04/17/09                           |               |      |             |      |           |      |
| Mercury                                     | ND      | 0.0010 | 0.000032 | mg/L  |                                                         |               |      |             |      |           |      |
| <b>LCS (9D14034-BS1)</b>                    |         |        |          |       | Prepared & Analyzed: 04/17/09                           |               |      |             |      |           |      |
| Mercury                                     | 0.00336 | 0.0010 | 0.000032 | mg/L  | 0.00334                                                 |               | 101  | 85-115      |      |           |      |
| <b>Matrix Spike (9D14034-MS1)</b>           |         |        |          |       | <b>Source: A9D1348-02</b> Prepared & Analyzed: 04/17/09 |               |      |             |      |           |      |
| Mercury                                     | 0.0962  | 0.025  | 0.00080  | mg/L  | 0.0835                                                  | 0.000891      | 114  | 75-125      |      |           |      |
| <b>Matrix Spike Dup (9D14034-MSD1)</b>      |         |        |          |       | <b>Source: A9D1348-02</b> Prepared & Analyzed: 04/17/09 |               |      |             |      |           |      |
| Mercury                                     | 0.0834  | 0.025  | 0.00080  | mg/L  | 0.0835                                                  | 0.000891      | 98.9 | 75-125      | 14.2 | 20        |      |
| <b>Batch 9D15057 - 200.8/ No Digest M12</b> |         |        |          |       |                                                         |               |      |             |      |           |      |
| <b>Blank (9D15057-BLK1)</b>                 |         |        |          |       | Prepared & Analyzed: 04/17/09                           |               |      |             |      |           |      |
| Mercury                                     | ND      | 0.0010 | 0.000032 | mg/L  |                                                         |               |      |             |      |           |      |
| <b>LCS (9D15057-BS1)</b>                    |         |        |          |       | Prepared & Analyzed: 04/17/09                           |               |      |             |      |           |      |
| Mercury                                     | 0.00709 | 0.0010 | 0.000032 | mg/L  | 0.00800                                                 |               | 88.6 | 85-115      |      |           |      |
| <b>Matrix Spike (9D15057-MS1)</b>           |         |        |          |       | <b>Source: A9D1352-02</b> Prepared & Analyzed: 04/17/09 |               |      |             |      |           |      |
| Mercury                                     | 0.00762 | 0.0010 | 0.000032 | mg/L  | 0.00800                                                 | ND            | 95.3 | 75-125      |      |           |      |
| <b>Matrix Spike Dup (9D15057-MSD1)</b>      |         |        |          |       | <b>Source: A9D1352-02</b> Prepared & Analyzed: 04/17/09 |               |      |             |      |           |      |
| Mercury                                     | 0.00773 | 0.0010 | 0.000032 | mg/L  | 0.00800                                                 | ND            | 96.6 | 75-125      | 1.41 | 20        |      |



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Analytical Report: Page 10 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Metals and Metalloids; EPA SW846 Series - Batch Quality Control**

| Analyte(s)                                | Result   | RDL    | MDL      | Units | Spike Level | Source Result                 | %REC | %REC Limits | RPD | RPD Limit | Flag  |
|-------------------------------------------|----------|--------|----------|-------|-------------|-------------------------------|------|-------------|-----|-----------|-------|
| <b>Batch 9D14034 - EPA 3015A SOP M02A</b> |          |        |          |       |             |                               |      |             |     |           |       |
| <b>Blank (9D14034-BLK1)</b>               |          |        |          |       |             | Prepared & Analyzed: 04/17/09 |      |             |     |           |       |
| Antimony                                  | ND       | 0.0060 | 0.0030   | mg/L  |             |                               |      |             |     |           |       |
| Arsenic                                   | ND       | 0.0020 | 0.0016   | mg/L  |             |                               |      |             |     |           | QBLK  |
| Barium                                    | 0.000311 | 0.10   | 0.000056 | mg/L  |             |                               |      |             |     |           | J     |
| Beryllium                                 | ND       | 0.0010 | 0.00017  | mg/L  |             |                               |      |             |     |           |       |
| Cadmium                                   | 0.000142 | 0.0010 | 0.000077 | mg/L  |             |                               |      |             |     |           | J     |
| Total Chromium                            | ND       | 0.010  | 0.00050  | mg/L  |             |                               |      |             |     |           |       |
| Cobalt                                    | ND       | 0.010  | 0.00028  | mg/L  |             |                               |      |             |     |           |       |
| Copper                                    | ND       | 0.010  | 0.0019   | mg/L  |             |                               |      |             |     |           |       |
| Lead                                      | ND       | 0.0050 | 0.000084 | mg/L  |             |                               |      |             |     |           |       |
| Molybdenum                                | ND       | 0.010  | 0.00090  | mg/L  |             |                               |      |             |     |           |       |
| Nickel                                    | ND       | 0.010  | 0.0015   | mg/L  |             |                               |      |             |     |           |       |
| Selenium                                  | ND       | 0.0050 | 0.0025   | mg/L  |             |                               |      |             |     |           |       |
| Silver                                    | ND       | 0.010  | 0.0050   | mg/L  |             |                               |      |             |     |           |       |
| Thallium                                  | ND       | 0.0010 | 0.00098  | mg/L  |             |                               |      |             |     |           |       |
| Vanadium                                  | ND       | 0.010  | 0.0027   | mg/L  |             |                               |      |             |     |           |       |
| Zinc                                      | 0.00389  | 0.010  | 0.0014   | mg/L  |             |                               |      |             |     |           | J     |
| <b>LCS (9D14034-BS1)</b>                  |          |        |          |       |             | Prepared & Analyzed: 04/17/09 |      |             |     |           |       |
| Antimony                                  | 0.245    | 0.0060 | 0.0030   | mg/L  | 0.200       |                               | 122  | 85-115      |     |           | QLout |
| Arsenic                                   | 0.218    | 0.0020 | 0.0016   | mg/L  | 0.200       |                               | 109  | 85-115      |     |           |       |
| Barium                                    | 0.215    | 0.10   | 0.000056 | mg/L  | 0.200       |                               | 107  | 85-115      |     |           |       |
| Beryllium                                 | 0.213    | 0.0010 | 0.00017  | mg/L  | 0.200       |                               | 107  | 85-115      |     |           |       |
| Cadmium                                   | 0.210    | 0.0010 | 0.000077 | mg/L  | 0.200       |                               | 105  | 85-115      |     |           |       |
| Total Chromium                            | 0.211    | 0.010  | 0.00050  | mg/L  | 0.200       |                               | 106  | 85-115      |     |           |       |
| Cobalt                                    | 0.212    | 0.010  | 0.00028  | mg/L  | 0.200       |                               | 106  | 85-115      |     |           |       |
| Copper                                    | 0.206    | 0.010  | 0.0019   | mg/L  | 0.200       |                               | 103  | 85-115      |     |           |       |
| Lead                                      | 0.202    | 0.0050 | 0.000084 | mg/L  | 0.200       |                               | 101  | 85-115      |     |           |       |
| Molybdenum                                | 0.221    | 0.010  | 0.00090  | mg/L  | 0.200       |                               | 111  | 85-115      |     |           |       |
| Nickel                                    | 0.213    | 0.010  | 0.0015   | mg/L  | 0.200       |                               | 106  | 85-115      |     |           |       |
| Selenium                                  | 0.215    | 0.0050 | 0.0025   | mg/L  | 0.200       |                               | 107  | 85-115      |     |           |       |
| Silver                                    | 0.207    | 0.010  | 0.0050   | mg/L  | 0.200       |                               | 103  | 85-115      |     |           |       |
| Thallium                                  | 0.194    | 0.0010 | 0.00098  | mg/L  | 0.200       |                               | 96.8 | 85-115      |     |           |       |
| Vanadium                                  | 0.215    | 0.010  | 0.0027   | mg/L  | 0.200       |                               | 107  | 85-115      |     |           |       |
| Zinc                                      | 0.221    | 0.010  | 0.0014   | mg/L  | 0.200       |                               | 111  | 85-115      |     |           |       |





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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 11 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Metals and Metalloids; EPA SW846 Series - Batch Quality Control**

| Analyte(s)                                | Result | RDL   | MDL                       | Units | Spike Level | Source Result                 | %REC | %REC Limits | RPD  | RPD Limit | Flag |
|-------------------------------------------|--------|-------|---------------------------|-------|-------------|-------------------------------|------|-------------|------|-----------|------|
| <b>Batch 9D14034 - EPA 3015A SOP M02A</b> |        |       |                           |       |             |                               |      |             |      |           |      |
| <b>Matrix Spike (9D14034-MS1)</b>         |        |       | <b>Source: A9D1348-02</b> |       |             | Prepared & Analyzed: 04/17/09 |      |             |      |           |      |
| Antimony                                  | 5.95   | 0.15  | 0.075                     | mg/L  | 5.00        | ND                            | 119  | 75-125      |      |           |      |
| Arsenic                                   | 6.03   | 0.050 | 0.041                     | mg/L  | 5.00        | ND                            | 121  | 75-125      |      |           |      |
| Barium                                    | 7.18   | 2.5   | 0.0014                    | mg/L  | 5.00        | 1.79                          | 108  | 75-125      |      |           |      |
| Beryllium                                 | 5.85   | 0.025 | 0.0043                    | mg/L  | 5.00        | 0.00844                       | 117  | 75-125      |      |           |      |
| Cadmium                                   | 5.91   | 0.025 | 0.0019                    | mg/L  | 5.00        | ND                            | 118  | 75-125      |      |           |      |
| Total Chromium                            | 6.52   | 0.25  | 0.013                     | mg/L  | 5.00        | 0.337                         | 124  | 75-125      |      |           |      |
| Cobalt                                    | 6.05   | 0.25  | 0.0069                    | mg/L  | 5.00        | 0.0690                        | 120  | 75-125      |      |           |      |
| Copper                                    | 6.15   | 0.25  | 0.048                     | mg/L  | 5.00        | 0.336                         | 116  | 75-125      |      |           |      |
| Lead                                      | 6.11   | 0.13  | 0.0021                    | mg/L  | 5.00        | 0.0703                        | 121  | 75-125      |      |           |      |
| Molybdenum                                | 6.34   | 0.25  | 0.023                     | mg/L  | 5.00        | 0.0926                        | 125  | 75-125      |      |           |      |
| Nickel                                    | 6.18   | 0.25  | 0.037                     | mg/L  | 5.00        | 0.176                         | 120  | 75-125      |      |           |      |
| Selenium                                  | 5.83   | 0.13  | 0.063                     | mg/L  | 5.00        | ND                            | 117  | 75-125      |      |           |      |
| Silver                                    | 6.00   | 0.25  | 0.13                      | mg/L  | 5.00        | ND                            | 120  | 75-125      |      |           |      |
| Thallium                                  | 5.85   | 0.025 | 0.025                     | mg/L  | 5.00        | ND                            | 117  | 75-125      |      |           |      |
| Vanadium                                  | 6.57   | 0.25  | 0.067                     | mg/L  | 5.00        | 0.416                         | 123  | 75-125      |      |           |      |
| Zinc                                      | 6.48   | 0.25  | 0.035                     | mg/L  | 5.00        | 0.393                         | 122  | 75-125      |      |           |      |
| <b>Matrix Spike Dup (9D14034-MSD1)</b>    |        |       | <b>Source: A9D1348-02</b> |       |             | Prepared & Analyzed: 04/17/09 |      |             |      |           |      |
| Antimony                                  | 6.89   | 0.15  | 0.075                     | mg/L  | 5.00        | ND                            | 138  | 75-125      | 14.7 | 20        | QMSD |
| Arsenic                                   | 5.47   | 0.050 | 0.041                     | mg/L  | 5.00        | ND                            | 109  | 75-125      | 9.62 | 20        |      |
| Barium                                    | 8.16   | 2.5   | 0.0014                    | mg/L  | 5.00        | 1.79                          | 127  | 75-125      | 12.8 | 20        | QMSD |
| Beryllium                                 | 5.13   | 0.025 | 0.0043                    | mg/L  | 5.00        | 0.00844                       | 102  | 75-125      | 13.0 | 20        |      |
| Cadmium                                   | 5.15   | 0.025 | 0.0019                    | mg/L  | 5.00        | ND                            | 103  | 75-125      | 13.7 | 20        |      |
| Total Chromium                            | 5.69   | 0.25  | 0.013                     | mg/L  | 5.00        | 0.337                         | 107  | 75-125      | 13.5 | 20        |      |
| Cobalt                                    | 5.41   | 0.25  | 0.0069                    | mg/L  | 5.00        | 0.0690                        | 107  | 75-125      | 11.2 | 20        |      |
| Copper                                    | 5.51   | 0.25  | 0.048                     | mg/L  | 5.00        | 0.336                         | 103  | 75-125      | 11.0 | 20        |      |
| Lead                                      | 5.24   | 0.13  | 0.0021                    | mg/L  | 5.00        | 0.0703                        | 103  | 75-125      | 15.2 | 20        |      |
| Molybdenum                                | 5.38   | 0.25  | 0.023                     | mg/L  | 5.00        | 0.0926                        | 106  | 75-125      | 16.5 | 20        |      |
| Nickel                                    | 5.55   | 0.25  | 0.037                     | mg/L  | 5.00        | 0.176                         | 108  | 75-125      | 10.6 | 20        |      |
| Selenium                                  | 5.26   | 0.13  | 0.063                     | mg/L  | 5.00        | ND                            | 105  | 75-125      | 10.4 | 20        |      |
| Silver                                    | 5.11   | 0.25  | 0.13                      | mg/L  | 5.00        | ND                            | 102  | 75-125      | 16.1 | 20        |      |
| Thallium                                  | 5.00   | 0.025 | 0.025                     | mg/L  | 5.00        | ND                            | 100  | 75-125      | 15.6 | 20        |      |
| Vanadium                                  | 7.58   | 0.25  | 0.067                     | mg/L  | 5.00        | 0.416                         | 143  | 75-125      | 14.3 | 20        | QMSD |
| Zinc                                      | 5.86   | 0.25  | 0.035                     | mg/L  | 5.00        | 0.393                         | 109  | 75-125      | 10.1 | 20        |      |





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San Bernardino, CA 92408-3216

Analytical Report: Page 12 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Metals and Metalloids; EPA SW846 Series - Batch Quality Control**

| Analyte(s)                                  | Result | RDL    | MDL      | Units | Spike Level | Source Result                 | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---------------------------------------------|--------|--------|----------|-------|-------------|-------------------------------|------|-------------|-----|-----------|------|
| <b>Batch 9D15057 - 200.8/ No Digest M12</b> |        |        |          |       |             |                               |      |             |     |           |      |
| <b>Blank (9D15057-BLK1)</b>                 |        |        |          |       |             | Prepared & Analyzed: 04/17/09 |      |             |     |           |      |
| Antimony                                    | ND     | 0.0060 | 0.0030   | mg/L  |             |                               |      |             |     |           |      |
| Arsenic                                     | ND     | 0.0020 | 0.0016   | mg/L  |             |                               |      |             |     |           |      |
| Barium                                      | ND     | 0.10   | 0.000056 | mg/L  |             |                               |      |             |     |           |      |
| Beryllium                                   | ND     | 0.0010 | 0.00017  | mg/L  |             |                               |      |             |     |           |      |
| Cadmium                                     | ND     | 0.0010 | 0.000077 | mg/L  |             |                               |      |             |     |           |      |
| Total Chromium                              | ND     | 0.010  | 0.00050  | mg/L  |             |                               |      |             |     |           |      |
| Cobalt                                      | ND     | 0.010  | 0.00028  | mg/L  |             |                               |      |             |     |           |      |
| Copper                                      | ND     | 0.010  | 0.0019   | mg/L  |             |                               |      |             |     |           |      |
| Lead                                        | ND     | 0.0050 | 0.000084 | mg/L  |             |                               |      |             |     |           |      |
| Molybdenum                                  | ND     | 0.010  | 0.00090  | mg/L  |             |                               |      |             |     |           |      |
| Nickel                                      | ND     | 0.010  | 0.0015   | mg/L  |             |                               |      |             |     |           |      |
| Selenium                                    | ND     | 0.0050 | 0.0025   | mg/L  |             |                               |      |             |     |           |      |
| Silver                                      | ND     | 0.010  | 0.0050   | mg/L  |             |                               |      |             |     |           |      |
| Thallium                                    | ND     | 0.0010 | 0.00098  | mg/L  |             |                               |      |             |     |           |      |
| Vanadium                                    | ND     | 0.010  | 0.0027   | mg/L  |             |                               |      |             |     |           |      |
| Zinc                                        | ND     | 0.010  | 0.0014   | mg/L  |             |                               |      |             |     |           |      |
| <b>LCS (9D15057-BS1)</b>                    |        |        |          |       |             | Prepared & Analyzed: 04/17/09 |      |             |     |           |      |
| Antimony                                    | 0.106  | 0.0060 | 0.0030   | mg/L  | 0.100       |                               | 106  | 85-115      |     |           |      |
| Arsenic                                     | 0.0974 | 0.0020 | 0.0016   | mg/L  | 0.100       |                               | 97.4 | 85-115      |     |           |      |
| Barium                                      | 0.102  | 0.10   | 0.000056 | mg/L  | 0.100       |                               | 102  | 85-115      |     |           |      |
| Beryllium                                   | 0.0955 | 0.0010 | 0.00017  | mg/L  | 0.100       |                               | 95.5 | 85-115      |     |           |      |
| Cadmium                                     | 0.0981 | 0.0010 | 0.000077 | mg/L  | 0.100       |                               | 98.1 | 85-115      |     |           |      |
| Total Chromium                              | 0.101  | 0.010  | 0.00050  | mg/L  | 0.100       |                               | 101  | 85-115      |     |           |      |
| Cobalt                                      | 0.103  | 0.010  | 0.00028  | mg/L  | 0.100       |                               | 103  | 85-115      |     |           |      |
| Copper                                      | 0.103  | 0.010  | 0.0019   | mg/L  | 0.100       |                               | 103  | 85-115      |     |           |      |
| Lead                                        | 0.0993 | 0.0050 | 0.000084 | mg/L  | 0.100       |                               | 99.3 | 85-115      |     |           |      |
| Molybdenum                                  | 0.105  | 0.010  | 0.00090  | mg/L  | 0.100       |                               | 105  | 85-115      |     |           |      |
| Nickel                                      | 0.102  | 0.010  | 0.0015   | mg/L  | 0.100       |                               | 102  | 85-115      |     |           |      |
| Selenium                                    | 0.0951 | 0.0050 | 0.0025   | mg/L  | 0.100       |                               | 95.1 | 85-115      |     |           |      |
| Silver                                      | 0.103  | 0.010  | 0.0050   | mg/L  | 0.100       |                               | 103  | 85-115      |     |           |      |
| Thallium                                    | 0.0981 | 0.0010 | 0.00098  | mg/L  | 0.100       |                               | 98.1 | 85-115      |     |           |      |
| Vanadium                                    | 0.0994 | 0.010  | 0.0027   | mg/L  | 0.100       |                               | 99.4 | 85-115      |     |           |      |
| Zinc                                        | 0.0978 | 0.010  | 0.0014   | mg/L  | 0.100       |                               | 97.8 | 85-115      |     |           |      |



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San Bernardino, CA 92408-3216

Analytical Report: Page 13 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Metals and Metalloids; EPA SW846 Series - Batch Quality Control**

| Analyte(s)                                  | Result | RDL                       | MDL      | Units | Spike Level | Source Result                 | %REC | %REC Limits | RPD   | RPD Limit | Flag |
|---------------------------------------------|--------|---------------------------|----------|-------|-------------|-------------------------------|------|-------------|-------|-----------|------|
| <b>Batch 9D15057 - 200.8/ No Digest M12</b> |        |                           |          |       |             |                               |      |             |       |           |      |
| <b>Matrix Spike (9D15057-MS1)</b>           |        | <b>Source: A9D1352-02</b> |          |       |             | Prepared & Analyzed: 04/17/09 |      |             |       |           |      |
| Antimony                                    | 0.108  | 0.0060                    | 0.0030   | mg/L  | 0.100       | ND                            | 108  | 75-125      |       |           |      |
| Arsenic                                     | 0.108  | 0.0020                    | 0.0016   | mg/L  | 0.100       | 0.00349                       | 104  | 75-125      |       |           |      |
| Barium                                      | 0.231  | 0.10                      | 0.000056 | mg/L  | 0.100       | 0.128                         | 103  | 75-125      |       |           |      |
| Beryllium                                   | 0.0985 | 0.0010                    | 0.00017  | mg/L  | 0.100       | 0.000422                      | 98.0 | 75-125      |       |           |      |
| Cadmium                                     | 0.101  | 0.0010                    | 0.000077 | mg/L  | 0.100       | 0.000446                      | 101  | 75-125      |       |           |      |
| Total Chromium                              | 0.110  | 0.010                     | 0.00050  | mg/L  | 0.100       | 0.00994                       | 101  | 75-125      |       |           |      |
| Cobalt                                      | 0.104  | 0.010                     | 0.00028  | mg/L  | 0.100       | 0.00282                       | 101  | 75-125      |       |           |      |
| Copper                                      | 0.118  | 0.010                     | 0.0019   | mg/L  | 0.100       | 0.0237                        | 94.7 | 75-125      |       |           |      |
| Lead                                        | 0.103  | 0.0050                    | 0.000084 | mg/L  | 0.100       | 0.00497                       | 98.2 | 75-125      |       |           |      |
| Molybdenum                                  | 0.142  | 0.010                     | 0.00090  | mg/L  | 0.100       | 0.0359                        | 106  | 75-125      |       |           |      |
| Nickel                                      | 0.109  | 0.010                     | 0.0015   | mg/L  | 0.100       | 0.0118                        | 96.9 | 75-125      |       |           |      |
| Selenium                                    | 0.103  | 0.0050                    | 0.0025   | mg/L  | 0.100       | ND                            | 103  | 75-125      |       |           |      |
| Silver                                      | 0.101  | 0.010                     | 0.0050   | mg/L  | 0.100       | ND                            | 101  | 75-125      |       |           |      |
| Thallium                                    | 0.0957 | 0.0010                    | 0.00098  | mg/L  | 0.100       | ND                            | 95.7 | 75-125      |       |           |      |
| Vanadium                                    | 0.128  | 0.010                     | 0.0027   | mg/L  | 0.100       | 0.0234                        | 105  | 75-125      |       |           |      |
| Zinc                                        | 0.235  | 0.010                     | 0.0014   | mg/L  | 0.100       | 0.133                         | 102  | 75-125      |       |           |      |
| <b>Matrix Spike Dup (9D15057-MSD1)</b>      |        | <b>Source: A9D1352-02</b> |          |       |             | Prepared & Analyzed: 04/17/09 |      |             |       |           |      |
| Antimony                                    | 0.110  | 0.0060                    | 0.0030   | mg/L  | 0.100       | ND                            | 110  | 75-125      | 2.45  | 20        |      |
| Arsenic                                     | 0.108  | 0.0020                    | 0.0016   | mg/L  | 0.100       | 0.00349                       | 104  | 75-125      | 0.297 | 20        |      |
| Barium                                      | 0.220  | 0.10                      | 0.000056 | mg/L  | 0.100       | 0.128                         | 92.3 | 75-125      | 4.82  | 20        |      |
| Beryllium                                   | 0.100  | 0.0010                    | 0.00017  | mg/L  | 0.100       | 0.000422                      | 99.9 | 75-125      | 1.85  | 20        |      |
| Cadmium                                     | 0.102  | 0.0010                    | 0.000077 | mg/L  | 0.100       | 0.000446                      | 102  | 75-125      | 0.883 | 20        |      |
| Total Chromium                              | 0.114  | 0.010                     | 0.00050  | mg/L  | 0.100       | 0.00994                       | 104  | 75-125      | 2.77  | 20        |      |
| Cobalt                                      | 0.106  | 0.010                     | 0.00028  | mg/L  | 0.100       | 0.00282                       | 104  | 75-125      | 2.35  | 20        |      |
| Copper                                      | 0.119  | 0.010                     | 0.0019   | mg/L  | 0.100       | 0.0237                        | 95.0 | 75-125      | 0.295 | 20        |      |
| Lead                                        | 0.106  | 0.0050                    | 0.000084 | mg/L  | 0.100       | 0.00497                       | 101  | 75-125      | 3.04  | 20        |      |
| Molybdenum                                  | 0.139  | 0.010                     | 0.00090  | mg/L  | 0.100       | 0.0359                        | 103  | 75-125      | 2.46  | 20        |      |
| Nickel                                      | 0.111  | 0.010                     | 0.0015   | mg/L  | 0.100       | 0.0118                        | 98.9 | 75-125      | 1.82  | 20        |      |
| Selenium                                    | 0.105  | 0.0050                    | 0.0025   | mg/L  | 0.100       | ND                            | 105  | 75-125      | 1.84  | 20        |      |
| Silver                                      | 0.102  | 0.010                     | 0.0050   | mg/L  | 0.100       | ND                            | 102  | 75-125      | 0.790 | 20        |      |
| Thallium                                    | 0.0984 | 0.0010                    | 0.00098  | mg/L  | 0.100       | ND                            | 98.4 | 75-125      | 2.78  | 20        |      |
| Vanadium                                    | 0.127  | 0.010                     | 0.0027   | mg/L  | 0.100       | 0.0234                        | 103  | 75-125      | 1.19  | 20        |      |
| Zinc                                        | 0.223  | 0.010                     | 0.0014   | mg/L  | 0.100       | 0.133                         | 90.2 | 75-125      | 5.09  | 20        |      |



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Analytical Report: Page 14 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Diesel Range Organics by EPA 8015 - Batch Quality Control**

| Analyte(s)                             | Result | RDL | MDL  | Units | Spike Level | Source Result                 | %REC                          | %REC Limits | RPD  | RPD Limit | Flag  |
|----------------------------------------|--------|-----|------|-------|-------------|-------------------------------|-------------------------------|-------------|------|-----------|-------|
| <b>Batch 9D16024 - Microextraction</b> |        |     |      |       |             |                               |                               |             |      |           |       |
| <b>Blank (9D16024-BLK1)</b>            |        |     |      |       |             | Prepared & Analyzed: 04/21/09 |                               |             |      |           |       |
| Diesel Range Hydrocarbons              | 2.25   | 2.0 | 0.46 | mg/L  |             |                               |                               |             |      |           | QHCno |
| Surrogate: Decachlorobiphenyl          | 0.658  |     |      | mg/L  | 1.14        |                               | 57.6                          | 56-117      |      |           |       |
| <b>LCS (9D16024-BS1)</b>               |        |     |      |       |             | Prepared & Analyzed: 04/21/09 |                               |             |      |           |       |
| Diesel Range Hydrocarbons              | 37.9   | 2.0 | 0.46 | mg/L  | 45.7        |                               | 82.8                          | 60-110      |      |           |       |
| Surrogate: Decachlorobiphenyl          | 0.462  |     |      | mg/L  | 1.14        |                               | 40.4                          | 56-117      |      |           | QSout |
| <b>LCS Dup (9D16024-BSD1)</b>          |        |     |      |       |             | Prepared & Analyzed: 04/21/09 |                               |             |      |           |       |
| Diesel Range Hydrocarbons              | 39.5   | 2.0 | 0.46 | mg/L  | 45.7        |                               | 86.4                          | 60-110      | 4.29 | 40        |       |
| Surrogate: Decachlorobiphenyl          | 0.547  |     |      | mg/L  | 1.14        |                               | 47.9                          | 56-117      |      |           | QSout |
| <b>Matrix Spike (9D16024-MS1)</b>      |        |     |      |       |             | Source: A9D1348-02            | Prepared & Analyzed: 04/21/09 |             |      |           |       |
| Diesel Range Hydrocarbons              | 42.6   | 2.0 | 0.46 | mg/L  | 45.7        | ND                            | 93.2                          | 28-126      |      |           |       |
| Surrogate: Decachlorobiphenyl          | 0.599  |     |      | mg/L  | 1.14        |                               | 52.4                          | 56-117      |      |           | QSout |
| <b>Matrix Spike Dup (9D16024-MSD1)</b> |        |     |      |       |             | Source: A9D1348-02            | Prepared & Analyzed: 04/21/09 |             |      |           |       |
| Diesel Range Hydrocarbons              | 48.0   | 2.0 | 0.46 | mg/L  | 45.7        | ND                            | 105                           | 28-126      | 11.8 | 40        |       |
| Surrogate: Decachlorobiphenyl          | 0.522  |     |      | mg/L  | 1.14        |                               | 45.7                          | 56-117      |      |           | QSout |



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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
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Analytical Report: Page 15 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Gasoline Range Organics by EPA 8015 - Batch Quality Control**

| Analyte(s)                             | Result | RDL   | MDL   | Units | Spike Level | Source Result                                    | %REC | %REC Limits | RPD  | RPD Limit | Flag |
|----------------------------------------|--------|-------|-------|-------|-------------|--------------------------------------------------|------|-------------|------|-----------|------|
| <b>Batch 9D16011 - Purge and Trap</b>  |        |       |       |       |             |                                                  |      |             |      |           |      |
| <b>Blank (9D16011-BLK1)</b>            |        |       |       |       |             | Prepared & Analyzed: 04/16/09                    |      |             |      |           |      |
| Gasoline Range Organics                | ND     | 0.050 | 0.024 | mg/L  |             |                                                  |      |             |      |           |      |
| Surrogate:<br>a,a,a-Trifluorotoluene   | 0.0783 |       |       | mg/L  | 0.108       |                                                  | 72.8 | 50-150      |      |           |      |
| <b>LCS (9D16011-BS1)</b>               |        |       |       |       |             | Prepared & Analyzed: 04/16/09                    |      |             |      |           |      |
| Gasoline Range Organics                | 2.38   | 0.050 | 0.024 | mg/L  | 2.50        |                                                  | 95.0 | 67-140      |      |           |      |
| Surrogate:<br>a,a,a-Trifluorotoluene   | 0.0945 |       |       | mg/L  | 0.108       |                                                  | 87.9 | 50-150      |      |           |      |
| <b>LCS Dup (9D16011-BSD1)</b>          |        |       |       |       |             | Prepared & Analyzed: 04/16/09                    |      |             |      |           |      |
| Gasoline Range Organics                | 2.67   | 0.050 | 0.024 | mg/L  | 2.50        |                                                  | 107  | 67-140      | 11.8 | 35        |      |
| Surrogate:<br>a,a,a-Trifluorotoluene   | 0.0976 |       |       | mg/L  | 0.108       |                                                  | 90.8 | 50-150      |      |           |      |
| <b>Matrix Spike (9D16011-MS1)</b>      |        |       |       |       |             | Source: A9D1348-02 Prepared & Analyzed: 04/16/09 |      |             |      |           |      |
| Gasoline Range Organics                | 2.53   | 0.050 | 0.024 | mg/L  | 2.50        | ND                                               | 101  | 73-147      |      |           |      |
| Surrogate:<br>a,a,a-Trifluorotoluene   | 0.0974 |       |       | mg/L  | 0.108       |                                                  | 90.6 | 50-150      |      |           |      |
| <b>Matrix Spike Dup (9D16011-MSD1)</b> |        |       |       |       |             | Source: A9D1348-02 Prepared & Analyzed: 04/16/09 |      |             |      |           |      |
| Gasoline Range Organics                | 2.48   | 0.050 | 0.024 | mg/L  | 2.50        | ND                                               | 99.2 | 73-147      | 2.12 | 20        |      |
| Surrogate:<br>a,a,a-Trifluorotoluene   | 0.0977 |       |       | mg/L  | 0.108       |                                                  | 90.9 | 50-150      |      |           |      |



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Analytical Report: Page 16 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Volatile Organic Compounds by EPA 8260B - Batch Quality Control**

| Analyte(s)                            | Result | RDL  | MDL   | Units | Spike Level                   | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---------------------------------------|--------|------|-------|-------|-------------------------------|---------------|------|-------------|-----|-----------|------|
| <b>Batch 9D16004 - Purge and Trap</b> |        |      |       |       |                               |               |      |             |     |           |      |
| <b>Blank (9D16004-BLK1)</b>           |        |      |       |       | Prepared & Analyzed: 04/17/09 |               |      |             |     |           |      |
| 1,1,1-Trichloroethane                 | ND     | 0.50 | 0.12  | ug/L  |                               |               |      |             |     |           |      |
| 1,1,2,2-Tetrachloroethane             | ND     | 0.50 | 0.29  | ug/L  |                               |               |      |             |     |           |      |
| 1,1,2-Trichloroethane                 | ND     | 0.50 | 0.31  | ug/L  |                               |               |      |             |     |           |      |
| 1,1-Dichloroethane                    | ND     | 0.50 | 0.098 | ug/L  |                               |               |      |             |     |           |      |
| 1,1-Dichloroethene                    | ND     | 0.50 | 0.12  | ug/L  |                               |               |      |             |     |           |      |
| 1,2-Dichlorobenzene                   | ND     | 0.50 | 0.20  | ug/L  |                               |               |      |             |     |           |      |
| 1,2-Dichloroethane                    | ND     | 0.50 | 0.21  | ug/L  |                               |               |      |             |     |           |      |
| 1,2-Dichloropropane                   | ND     | 0.50 | 0.19  | ug/L  |                               |               |      |             |     |           |      |
| 1,3-Dichlorobenzene                   | ND     | 0.50 | 0.15  | ug/L  |                               |               |      |             |     |           |      |
| 1,4-Dichlorobenzene                   | ND     | 0.50 | 0.072 | ug/L  |                               |               |      |             |     |           |      |
| 2-Butanone(MEK)                       | ND     | 3.0  | 1.2   | ug/L  |                               |               |      |             |     |           |      |
| 2-Hexanone                            | ND     | 5.0  | 1.2   | ug/L  |                               |               |      |             |     |           |      |
| 4-Methyl-2-Pentanone(MIBK)            | ND     | 5.0  | 0.95  | ug/L  |                               |               |      |             |     |           |      |
| Acetone                               | ND     | 5.0  | 5.0   | ug/L  |                               |               |      |             |     |           |      |
| Benzene                               | ND     | 0.50 | 0.14  | ug/L  |                               |               |      |             |     |           |      |
| Bromodichloromethane                  | ND     | 0.50 | 0.11  | ug/L  |                               |               |      |             |     |           |      |
| Bromoform                             | ND     | 0.50 | 0.13  | ug/L  |                               |               |      |             |     |           |      |
| Bromomethane                          | ND     | 0.50 | 0.48  | ug/L  |                               |               |      |             |     |           |      |
| Carbon Disulfide                      | ND     | 0.50 | 0.36  | ug/L  |                               |               |      |             |     |           |      |
| Carbon Tetrachloride                  | ND     | 0.50 | 0.15  | ug/L  |                               |               |      |             |     |           |      |
| Chlorobenzene                         | ND     | 0.50 | 0.23  | ug/L  |                               |               |      |             |     |           |      |
| Chloroethane                          | ND     | 0.50 | 0.35  | ug/L  |                               |               |      |             |     |           |      |
| Chloroform                            | ND     | 0.50 | 0.17  | ug/L  |                               |               |      |             |     |           |      |
| Chloromethane                         | ND     | 0.50 | 0.36  | ug/L  |                               |               |      |             |     |           |      |
| cis-1,2-Dichloroethene                | ND     | 0.50 | 0.18  | ug/L  |                               |               |      |             |     |           |      |
| cis-1,3-Dichloropropene               | ND     | 0.50 | 0.30  | ug/L  |                               |               |      |             |     |           |      |
| Dibromochloromethane                  | ND     | 0.50 | 0.37  | ug/L  |                               |               |      |             |     |           |      |
| Ethylbenzene                          | ND     | 0.50 | 0.26  | ug/L  |                               |               |      |             |     |           |      |
| Methyl tert Butyl Ether               | ND     | 5.0  | 0.29  | ug/L  |                               |               |      |             |     |           |      |
| Methylene Chloride                    | ND     | 3.0  | 0.15  | ug/L  |                               |               |      |             |     |           |      |
| Styrene                               | ND     | 0.50 | 0.22  | ug/L  |                               |               |      |             |     |           |      |
| Tetrachloroethene                     | ND     | 0.50 | 0.17  | ug/L  |                               |               |      |             |     |           |      |
| Toluene                               | ND     | 0.50 | 0.22  | ug/L  |                               |               |      |             |     |           |      |
| trans-1,2-Dichloroethene              | ND     | 0.50 | 0.10  | ug/L  |                               |               |      |             |     |           |      |
| trans-1,3-Dichloropropene             | ND     | 0.50 | 0.24  | ug/L  |                               |               |      |             |     |           |      |
| Trichloroethene                       | ND     | 0.50 | 0.17  | ug/L  |                               |               |      |             |     |           |      |



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Analytical Report: Page 17 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Volatile Organic Compounds by EPA 8260B - Batch Quality Control**

| Analyte(s)                            | Result | RDL  | MDL   | Units | Spike Level | Source Result                 | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---------------------------------------|--------|------|-------|-------|-------------|-------------------------------|------|-------------|-----|-----------|------|
| <b>Batch 9D16004 - Purge and Trap</b> |        |      |       |       |             |                               |      |             |     |           |      |
| <b>Blank (9D16004-BLK1)</b>           |        |      |       |       |             | Prepared & Analyzed: 04/17/09 |      |             |     |           |      |
| Trichlorofluoromethane                | ND     | 5.0  | 0.16  | ug/L  |             |                               |      |             |     |           |      |
| Vinyl Acetate                         | ND     | 10   | 0.48  | ug/L  |             |                               |      |             |     |           |      |
| Vinyl Chloride                        | ND     | 0.50 | 0.13  | ug/L  |             |                               |      |             |     |           |      |
| Xylenes (m+p)                         | ND     | 0.50 | 0.36  | ug/L  |             |                               |      |             |     |           |      |
| Xylenes (ortho)                       | ND     | 0.50 | 0.41  | ug/L  |             |                               |      |             |     |           |      |
| Surrogate: 1,2-Dichloroethane-d4      | 99.9   |      |       | ug/L  | 100         |                               | 99.9 | 80-124      |     |           |      |
| Surrogate: Bromofluorobenzene         | 98.2   |      |       | ug/L  | 100         |                               | 98.2 | 71-149      |     |           |      |
| Surrogate: Toluene-d8                 | 99.9   |      |       | ug/L  | 100         |                               | 99.9 | 80-120      |     |           |      |
| <b>Blank (9D16004-BLK2)</b>           |        |      |       |       |             | Prepared & Analyzed: 04/17/09 |      |             |     |           |      |
| 1,1,1-Trichloroethane                 | ND     | 0.50 | 0.12  | ug/L  |             |                               |      |             |     |           |      |
| 1,1,2,2-Tetrachloroethane             | ND     | 0.50 | 0.29  | ug/L  |             |                               |      |             |     |           |      |
| 1,1,2-Trichloroethane                 | ND     | 0.50 | 0.31  | ug/L  |             |                               |      |             |     |           |      |
| 1,1-Dichloroethane                    | ND     | 0.50 | 0.098 | ug/L  |             |                               |      |             |     |           |      |
| 1,1-Dichloroethene                    | ND     | 0.50 | 0.12  | ug/L  |             |                               |      |             |     |           |      |
| 1,2-Dichlorobenzene                   | ND     | 0.50 | 0.20  | ug/L  |             |                               |      |             |     |           |      |
| 1,2-Dichloroethane                    | ND     | 0.50 | 0.21  | ug/L  |             |                               |      |             |     |           |      |
| 1,2-Dichloropropane                   | ND     | 0.50 | 0.19  | ug/L  |             |                               |      |             |     |           |      |
| 1,3-Dichlorobenzene                   | ND     | 0.50 | 0.15  | ug/L  |             |                               |      |             |     |           |      |
| 1,4-Dichlorobenzene                   | ND     | 0.50 | 0.072 | ug/L  |             |                               |      |             |     |           |      |
| 2-Butanone(MEK)                       | ND     | 3.0  | 1.2   | ug/L  |             |                               |      |             |     |           |      |
| 2-Hexanone                            | ND     | 5.0  | 1.2   | ug/L  |             |                               |      |             |     |           |      |
| 4-Methyl-2-Pentanone(MIBK)            | ND     | 5.0  | 0.95  | ug/L  |             |                               |      |             |     |           |      |
| Acetone                               | ND     | 5.0  | 5.0   | ug/L  |             |                               |      |             |     |           |      |
| Benzene                               | ND     | 0.50 | 0.14  | ug/L  |             |                               |      |             |     |           |      |
| Bromodichloromethane                  | ND     | 0.50 | 0.11  | ug/L  |             |                               |      |             |     |           |      |
| Bromoform                             | ND     | 0.50 | 0.13  | ug/L  |             |                               |      |             |     |           |      |
| Bromomethane                          | ND     | 0.50 | 0.48  | ug/L  |             |                               |      |             |     |           |      |
| Carbon Disulfide                      | ND     | 0.50 | 0.36  | ug/L  |             |                               |      |             |     |           |      |
| Carbon Tetrachloride                  | ND     | 0.50 | 0.15  | ug/L  |             |                               |      |             |     |           |      |
| Chlorobenzene                         | ND     | 0.50 | 0.23  | ug/L  |             |                               |      |             |     |           |      |
| Chloroethane                          | ND     | 0.50 | 0.35  | ug/L  |             |                               |      |             |     |           |      |
| Chloroform                            | ND     | 0.50 | 0.17  | ug/L  |             |                               |      |             |     |           |      |
| Chloromethane                         | ND     | 0.50 | 0.36  | ug/L  |             |                               |      |             |     |           |      |
| cis-1,2-Dichloroethene                | ND     | 0.50 | 0.18  | ug/L  |             |                               |      |             |     |           |      |
| cis-1,3-Dichloropropene               | ND     | 0.50 | 0.30  | ug/L  |             |                               |      |             |     |           |      |



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Analytical Report: Page 18 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Volatile Organic Compounds by EPA 8260B - Batch Quality Control**

| Analyte(s)                            | Result | RDL  | MDL   | Units                         | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---------------------------------------|--------|------|-------|-------------------------------|-------------|---------------|------|-------------|-----|-----------|------|
| <b>Batch 9D16004 - Purge and Trap</b> |        |      |       |                               |             |               |      |             |     |           |      |
| <b>Blank (9D16004-BLK2)</b>           |        |      |       | Prepared & Analyzed: 04/17/09 |             |               |      |             |     |           |      |
| Dibromochloromethane                  | ND     | 0.50 | 0.37  | ug/L                          |             |               |      |             |     |           |      |
| Ethylbenzene                          | ND     | 0.50 | 0.26  | ug/L                          |             |               |      |             |     |           |      |
| Methyl tert Butyl Ether               | ND     | 5.0  | 0.29  | ug/L                          |             |               |      |             |     |           |      |
| Methylene Chloride                    | ND     | 3.0  | 0.15  | ug/L                          |             |               |      |             |     |           |      |
| Styrene                               | ND     | 0.50 | 0.22  | ug/L                          |             |               |      |             |     |           |      |
| Tetrachloroethene                     | ND     | 0.50 | 0.17  | ug/L                          |             |               |      |             |     |           |      |
| Toluene                               | ND     | 0.50 | 0.22  | ug/L                          |             |               |      |             |     |           |      |
| trans-1,2-Dichloroethene              | ND     | 0.50 | 0.10  | ug/L                          |             |               |      |             |     |           |      |
| trans-1,3-Dichloropropene             | ND     | 0.50 | 0.24  | ug/L                          |             |               |      |             |     |           |      |
| Trichloroethene                       | ND     | 0.50 | 0.17  | ug/L                          |             |               |      |             |     |           |      |
| Trichlorofluoromethane                | ND     | 5.0  | 0.16  | ug/L                          |             |               |      |             |     |           |      |
| Vinyl Acetate                         | ND     | 10   | 0.48  | ug/L                          |             |               |      |             |     |           |      |
| Vinyl Chloride                        | ND     | 0.50 | 0.13  | ug/L                          |             |               |      |             |     |           |      |
| Xylenes (m+p)                         | ND     | 0.50 | 0.36  | ug/L                          |             |               |      |             |     |           |      |
| Xylenes (ortho)                       | ND     | 0.50 | 0.41  | ug/L                          |             |               |      |             |     |           |      |
| Surrogate: 1,2-Dichloroethane-d4      | 89.3   |      |       | ug/L                          | 100         |               | 89.3 | 80-124      |     |           |      |
| Surrogate: Bromofluorobenzene         | 97.8   |      |       | ug/L                          | 100         |               | 97.8 | 71-149      |     |           |      |
| Surrogate: Toluene-d8                 | 98.5   |      |       | ug/L                          | 100         |               | 98.5 | 80-120      |     |           |      |
| <b>LCS (9D16004-BS1)</b>              |        |      |       | Prepared & Analyzed: 04/17/09 |             |               |      |             |     |           |      |
| 1,1-Dichloroethane                    | 21.9   | 0.50 | 0.098 | ug/L                          | 25.0        |               | 87.5 | 76-130      |     |           |      |
| 1,1-Dichloroethene                    | 21.7   | 0.50 | 0.12  | ug/L                          | 25.0        |               | 87.0 | 70-130      |     |           |      |
| 1,4-Dichlorobenzene                   | 24.2   | 0.50 | 0.072 | ug/L                          | 25.0        |               | 96.8 | 79-130      |     |           |      |
| Benzene                               | 23.7   | 0.50 | 0.14  | ug/L                          | 25.0        |               | 94.9 | 70-130      |     |           |      |
| Bromodichloromethane                  | 23.6   | 0.50 | 0.11  | ug/L                          | 25.0        |               | 94.4 | 70-132      |     |           |      |
| Bromoform                             | 22.6   | 0.50 | 0.13  | ug/L                          | 25.0        |               | 90.2 | 65-141      |     |           |      |
| Chloroform                            | 23.6   | 0.50 | 0.17  | ug/L                          | 25.0        |               | 94.6 | 70-130      |     |           |      |
| Dibromochloromethane                  | 25.5   | 0.50 | 0.37  | ug/L                          | 25.0        |               | 102  | 70-130      |     |           |      |
| Ethylbenzene                          | 24.0   | 0.50 | 0.26  | ug/L                          | 25.0        |               | 95.8 | 70-136      |     |           |      |
| Methyl tert Butyl Ether               | 23.6   | 5.0  | 0.29  | ug/L                          | 25.0        |               | 94.6 | 70-130      |     |           |      |
| Tetrachloroethene                     | 22.0   | 0.50 | 0.17  | ug/L                          | 25.0        |               | 87.8 | 70-130      |     |           |      |
| Toluene                               | 23.3   | 0.50 | 0.22  | ug/L                          | 25.0        |               | 93.3 | 70-130      |     |           |      |
| Trichloroethene                       | 23.2   | 0.50 | 0.17  | ug/L                          | 25.0        |               | 92.9 | 70-130      |     |           |      |
| Vinyl Chloride                        | 23.5   | 0.50 | 0.13  | ug/L                          | 25.0        |               | 94.2 | 60-130      |     |           |      |
| Xylenes (m+p)                         | 48.7   | 0.50 | 0.36  | ug/L                          | 50.0        |               | 97.4 | 70-137      |     |           |      |
| Xylenes (ortho)                       | 24.1   | 0.50 | 0.41  | ug/L                          | 25.0        |               | 96.6 | 70-136      |     |           |      |





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Analytical Report: Page 19 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Volatile Organic Compounds by EPA 8260B - Batch Quality Control**

| Analyte(s)                            | Result | RDL  | MDL   | Units | Spike Level | Source Result                 | %REC               | %REC Limits        | RPD   | RPD Limit | Flag |
|---------------------------------------|--------|------|-------|-------|-------------|-------------------------------|--------------------|--------------------|-------|-----------|------|
| <b>Batch 9D16004 - Purge and Trap</b> |        |      |       |       |             |                               |                    |                    |       |           |      |
| <b>LCS (9D16004-BS1)</b>              |        |      |       |       |             | Prepared & Analyzed: 04/17/09 |                    |                    |       |           |      |
| Surrogate: 1,2-Dichloroethane-d4      | 97.6   |      |       | ug/L  | 100         |                               | 97.6               | 80-124             |       |           |      |
| Surrogate: Bromofluorobenzene         | 99.3   |      |       | ug/L  | 100         |                               | 99.3               | 71-149             |       |           |      |
| Surrogate: Toluene-d8                 | 102    |      |       | ug/L  | 100         |                               | 102                | 80-120             |       |           |      |
| <b>LCS Dup (9D16004-BSD1)</b>         |        |      |       |       |             | Prepared & Analyzed: 04/17/09 |                    |                    |       |           |      |
| 1,1-Dichloroethane                    | 22.0   | 0.50 | 0.098 | ug/L  | 25.0        |                               | 87.9               | 76-130             | 0.456 | 20        |      |
| 1,1-Dichloroethene                    | 21.6   | 0.50 | 0.12  | ug/L  | 25.0        |                               | 86.6               | 70-130             | 0.461 | 20        |      |
| 1,4-Dichlorobenzene                   | 24.4   | 0.50 | 0.072 | ug/L  | 25.0        |                               | 97.4               | 79-130             | 0.618 | 20        |      |
| Benzene                               | 23.4   | 0.50 | 0.14  | ug/L  | 25.0        |                               | 93.7               | 70-130             | 1.27  | 20        |      |
| Bromodichloromethane                  | 23.8   | 0.50 | 0.11  | ug/L  | 25.0        |                               | 95.3               | 70-132             | 0.970 | 20        |      |
| Bromoform                             | 23.0   | 0.50 | 0.13  | ug/L  | 25.0        |                               | 92.2               | 65-141             | 2.15  | 20        |      |
| Chloroform                            | 23.0   | 0.50 | 0.17  | ug/L  | 25.0        |                               | 92.1               | 70-130             | 2.70  | 20        |      |
| Dibromochloromethane                  | 25.3   | 0.50 | 0.37  | ug/L  | 25.0        |                               | 101                | 70-130             | 0.669 | 20        |      |
| Ethylbenzene                          | 24.2   | 0.50 | 0.26  | ug/L  | 25.0        |                               | 96.6               | 70-136             | 0.873 | 20        |      |
| Methyl tert Butyl Ether               | 23.3   | 5.0  | 0.29  | ug/L  | 25.0        |                               | 93.3               | 70-130             | 1.36  | 20        |      |
| Tetrachloroethene                     | 22.5   | 0.50 | 0.17  | ug/L  | 25.0        |                               | 90.0               | 70-130             | 2.52  | 20        |      |
| Toluene                               | 23.8   | 0.50 | 0.22  | ug/L  | 25.0        |                               | 95.2               | 70-130             | 2.04  | 20        |      |
| Trichloroethene                       | 24.0   | 0.50 | 0.17  | ug/L  | 25.0        |                               | 95.9               | 70-130             | 3.22  | 20        |      |
| Vinyl Chloride                        | 23.3   | 0.50 | 0.13  | ug/L  | 25.0        |                               | 93.0               | 60-130             | 1.20  | 20        |      |
| Xylenes (m+p)                         | 48.8   | 0.50 | 0.36  | ug/L  | 50.0        |                               | 97.7               | 70-137             | 0.267 | 20        |      |
| Xylenes (ortho)                       | 24.1   | 0.50 | 0.41  | ug/L  | 25.0        |                               | 96.4               | 70-136             | 0.207 | 20        |      |
| Surrogate: 1,2-Dichloroethane-d4      | 95.1   |      |       | ug/L  | 100         |                               | 95.1               | 80-124             |       |           |      |
| Surrogate: Bromofluorobenzene         | 99.4   |      |       | ug/L  | 100         |                               | 99.4               | 71-149             |       |           |      |
| Surrogate: Toluene-d8                 | 101    |      |       | ug/L  | 100         |                               | 101                | 80-120             |       |           |      |
| <b>Duplicate (9D16004-DUP1)</b>       |        |      |       |       |             | Source: A9D1317-01            | Prepared: 04/17/09 | Analyzed: 04/18/09 |       |           |      |
| 1,1,1-Trichloroethane                 | ND     | 50   | 12    | ug/L  |             | ND                            |                    |                    |       | 40        |      |
| 1,1,2,2-Tetrachloroethane             | ND     | 50   | 29    | ug/L  |             | ND                            |                    |                    |       | 40        |      |
| 1,1,2-Trichloroethane                 | ND     | 50   | 31    | ug/L  |             | ND                            |                    |                    |       | 40        |      |
| 1,1-Dichloroethane                    | ND     | 50   | 9.8   | ug/L  |             | ND                            |                    |                    |       | 40        |      |
| 1,1-Dichloroethene                    | ND     | 50   | 12    | ug/L  |             | ND                            |                    |                    |       | 40        |      |
| 1,2-Dichlorobenzene                   | 81.0   | 50   | 20    | ug/L  |             | 98.3                          |                    |                    | 19.4  | 40        |      |
| 1,2-Dichloroethane                    | ND     | 50   | 21    | ug/L  |             | ND                            |                    |                    |       | 40        |      |
| 1,2-Dichloropropane                   | ND     | 50   | 19    | ug/L  |             | ND                            |                    |                    |       | 40        |      |
| 1,3-Dichlorobenzene                   | ND     | 50   | 15    | ug/L  |             | ND                            |                    |                    |       | 40        |      |



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Client Name: Tetra Tech, Inc. - San Bernardino  
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Address: 348 West Hospitality Lane, Suite 100  
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Analytical Report: Page 20 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Volatile Organic Compounds by EPA 8260B - Batch Quality Control**

| Analyte(s)                            | Result | RDL                       | MDL | Units | Spike Level | Source Result      | %REC | %REC Limits        | RPD  | RPD Limit | Flag |
|---------------------------------------|--------|---------------------------|-----|-------|-------------|--------------------|------|--------------------|------|-----------|------|
| <b>Batch 9D16004 - Purge and Trap</b> |        |                           |     |       |             |                    |      |                    |      |           |      |
| <b>Duplicate (9D16004-DUP1)</b>       |        | <b>Source: A9D1317-01</b> |     |       |             | Prepared: 04/17/09 |      | Analyzed: 04/18/09 |      |           |      |
| 1,4-Dichlorobenzene                   | 32.9   | 50                        | 7.2 | ug/L  |             | 40.7               |      |                    | 21.2 | 40        | J    |
| 2-Butanone(MEK)                       | ND     | 300                       | 120 | ug/L  |             | ND                 |      |                    |      | 40        |      |
| 2-Hexanone                            | ND     | 500                       | 120 | ug/L  |             | ND                 |      |                    |      | 40        |      |
| 4-Methyl-2-Pentanone(MIBK)            | ND     | 500                       | 95  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Acetone                               | ND     | 500                       | 500 | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Benzene                               | ND     | 50                        | 14  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Bromodichloromethane                  | ND     | 50                        | 11  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Bromoform                             | ND     | 50                        | 13  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Bromomethane                          | ND     | 50                        | 48  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Carbon Disulfide                      | ND     | 50                        | 36  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Carbon Tetrachloride                  | ND     | 50                        | 15  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Chlorobenzene                         | 1440   | 50                        | 23  | ug/L  |             | 1580               |      |                    | 9.00 | 40        |      |
| Chloroethane                          | ND     | 50                        | 35  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Chloroform                            | 507    | 50                        | 17  | ug/L  |             | 567                |      |                    | 11.2 | 40        |      |
| Chloromethane                         | ND     | 50                        | 36  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| cis-1,2-Dichloroethene                | 39.4   | 50                        | 18  | ug/L  |             | 40.0               |      |                    | 1.64 | 40        | J    |
| cis-1,3-Dichloropropene               | ND     | 50                        | 30  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Dibromochloromethane                  | ND     | 50                        | 37  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Ethylbenzene                          | ND     | 50                        | 26  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Methyl tert Butyl Ether               | ND     | 500                       | 29  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Methylene Chloride                    | 63.0   | 300                       | 15  | ug/L  |             | 68.4               |      |                    | 8.31 | 40        | J    |
| Styrene                               | ND     | 50                        | 22  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Tetrachloroethene                     | 35.6   | 50                        | 17  | ug/L  |             | 45.0               |      |                    | 23.5 | 40        | J    |
| Toluene                               | ND     | 50                        | 22  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| trans-1,2-Dichloroethene              | ND     | 50                        | 10  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| trans-1,3-Dichloropropene             | ND     | 50                        | 24  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Trichloroethene                       | 4720   | 50                        | 17  | ug/L  |             | 5190               |      |                    | 9.59 | 40        |      |
| Trichlorofluoromethane                | ND     | 500                       | 16  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Vinyl Acetate                         | ND     | 1000                      | 48  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Vinyl Chloride                        | ND     | 50                        | 13  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Xylenes (m+p)                         | ND     | 50                        | 36  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Xylenes (ortho)                       | ND     | 50                        | 41  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Xylenes (total)                       | ND     | 100                       | 77  | ug/L  |             | ND                 |      |                    |      | 200       |      |
| Surrogate:<br>1,2-Dichloroethane-d4   | 100    |                           |     | ug/L  | 100         |                    | 100  | 80-124             |      |           |      |
| Surrogate:<br>Bromofluorobenzene      | 101    |                           |     | ug/L  | 100         |                    | 101  | 71-149             |      |           |      |



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Analytical Report: Page 21 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Volatile Organic Compounds by EPA 8260B - Batch Quality Control**

| Analyte(s)                            | Result | RDL                       | MDL   | Units | Spike Level | Source Result      | %REC | %REC Limits        | RPD  | RPD Limit | Flag |
|---------------------------------------|--------|---------------------------|-------|-------|-------------|--------------------|------|--------------------|------|-----------|------|
| <b>Batch 9D16004 - Purge and Trap</b> |        |                           |       |       |             |                    |      |                    |      |           |      |
| <b>Duplicate (9D16004-DUP1)</b>       |        | <b>Source: A9D1317-01</b> |       |       |             | Prepared: 04/17/09 |      | Analyzed: 04/18/09 |      |           |      |
| Surrogate: Toluene-d8                 | 99.9   |                           |       | ug/L  | 100         |                    | 99.9 | 80-120             |      |           |      |
| <b>Duplicate (9D16004-DUP2)</b>       |        | <b>Source: A9D1348-02</b> |       |       |             | Prepared: 04/17/09 |      | Analyzed: 04/18/09 |      |           |      |
| 1,1,1-Trichloroethane                 | ND     | 0.50                      | 0.12  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| 1,1,2,2-Tetrachloroethane             | ND     | 0.50                      | 0.29  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| 1,1,2-Trichloroethane                 | ND     | 0.50                      | 0.31  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| 1,1-Dichloroethane                    | ND     | 0.50                      | 0.098 | ug/L  |             | ND                 |      |                    |      | 40        |      |
| 1,1-Dichloroethene                    | ND     | 0.50                      | 0.12  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| 1,2-Dichlorobenzene                   | ND     | 0.50                      | 0.20  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| 1,2-Dichloroethane                    | ND     | 0.50                      | 0.21  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| 1,2-Dichloropropane                   | ND     | 0.50                      | 0.19  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| 1,3-Dichlorobenzene                   | ND     | 0.50                      | 0.15  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| 1,4-Dichlorobenzene                   | ND     | 0.50                      | 0.072 | ug/L  |             | ND                 |      |                    |      | 40        |      |
| 2-Butanone(MEK)                       | ND     | 3.0                       | 1.2   | ug/L  |             | ND                 |      |                    |      | 40        |      |
| 2-Hexanone                            | ND     | 5.0                       | 1.2   | ug/L  |             | ND                 |      |                    |      | 40        |      |
| 4-Methyl-2-Pentanone(MIBK)            | ND     | 5.0                       | 0.95  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Acetone                               | ND     | 5.0                       | 5.0   | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Benzene                               | ND     | 0.50                      | 0.14  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Bromodichloromethane                  | ND     | 0.50                      | 0.11  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Bromoform                             | ND     | 0.50                      | 0.13  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Bromomethane                          | ND     | 0.50                      | 0.48  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Carbon Disulfide                      | ND     | 0.50                      | 0.36  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Carbon Tetrachloride                  | ND     | 0.50                      | 0.15  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Chlorobenzene                         | ND     | 0.50                      | 0.23  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Chloroethane                          | ND     | 0.50                      | 0.35  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Chloroform                            | 0.170  | 0.50                      | 0.17  | ug/L  |             | 0.190              |      |                    | 11.1 | 40        | J    |
| Chloromethane                         | ND     | 0.50                      | 0.36  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| cis-1,2-Dichloroethene                | ND     | 0.50                      | 0.18  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| cis-1,3-Dichloropropene               | ND     | 0.50                      | 0.30  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Dibromochloromethane                  | ND     | 0.50                      | 0.37  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Ethylbenzene                          | ND     | 0.50                      | 0.26  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Methyl tert Butyl Ether               | ND     | 5.0                       | 0.29  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Methylene Chloride                    | ND     | 3.0                       | 0.15  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Styrene                               | ND     | 0.50                      | 0.22  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Tetrachloroethene                     | ND     | 0.50                      | 0.17  | ug/L  |             | ND                 |      |                    |      | 40        |      |
| Toluene                               | 0.440  | 0.50                      | 0.22  | ug/L  |             | 0.430              |      |                    | 2.30 | 40        | J    |
| trans-1,2-Dichloroethene              | ND     | 0.50                      | 0.10  | ug/L  |             | ND                 |      |                    |      | 40        |      |



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Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
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Analytical Report: Page 22 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Volatile Organic Compounds by EPA 8260B - Batch Quality Control**

| Analyte(s)                            | Result | RDL                       | MDL  | Units | Spike Level | Source Result                 | %REC | %REC Limits        | RPD | RPD Limit | Flag |
|---------------------------------------|--------|---------------------------|------|-------|-------------|-------------------------------|------|--------------------|-----|-----------|------|
| <b>Batch 9D16004 - Purge and Trap</b> |        |                           |      |       |             |                               |      |                    |     |           |      |
| <b>Duplicate (9D16004-DUP2)</b>       |        | <b>Source: A9D1348-02</b> |      |       |             | Prepared: 04/17/09            |      | Analyzed: 04/18/09 |     |           |      |
| trans-1,3-Dichloropropene             | ND     | 0.50                      | 0.24 | ug/L  |             | ND                            |      |                    |     | 40        |      |
| Trichloroethene                       | ND     | 0.50                      | 0.17 | ug/L  |             | ND                            |      |                    |     | 40        |      |
| Trichlorofluoromethane                | ND     | 5.0                       | 0.16 | ug/L  |             | ND                            |      |                    |     | 40        |      |
| Vinyl Acetate                         | ND     | 10                        | 0.48 | ug/L  |             | ND                            |      |                    |     | 40        |      |
| Vinyl Chloride                        | ND     | 0.50                      | 0.13 | ug/L  |             | ND                            |      |                    |     | 40        |      |
| Xylenes (m+p)                         | ND     | 0.50                      | 0.36 | ug/L  |             | ND                            |      |                    |     | 40        |      |
| Xylenes (ortho)                       | ND     | 0.50                      | 0.41 | ug/L  |             | ND                            |      |                    |     | 40        |      |
| Xylenes (total)                       | ND     | 1.0                       | 0.77 | ug/L  |             | ND                            |      |                    |     | 200       |      |
| Surrogate: 1,2-Dichloroethane-d4      | 102    |                           |      | ug/L  | 100         |                               | 102  | 80-124             |     |           |      |
| Surrogate: Bromofluorobenzene         | 100    |                           |      | ug/L  | 100         |                               | 100  | 71-149             |     |           |      |
| Surrogate: Toluene-d8                 | 100    |                           |      | ug/L  | 100         |                               | 100  | 80-120             |     |           |      |
| <b>Matrix Spike (9D16004-MS1)</b>     |        | <b>Source: A9D1317-01</b> |      |       |             | Prepared & Analyzed: 04/17/09 |      |                    |     |           |      |
| 1,1-Dichloroethane                    | 2230   | 50                        | 9.8  | ug/L  | 2500        | ND                            | 89.3 | 57-136             |     |           |      |
| 1,1-Dichloroethene                    | 2210   | 50                        | 12   | ug/L  | 2500        | ND                            | 88.3 | 55-134             |     |           |      |
| 1,4-Dichlorobenzene                   | 2330   | 50                        | 7.2  | ug/L  | 2500        | 40.7                          | 91.5 | 67-130             |     |           |      |
| Benzene                               | 2370   | 50                        | 14   | ug/L  | 2500        | ND                            | 95.0 | 70-130             |     |           |      |
| Bromodichloromethane                  | 2250   | 50                        | 11   | ug/L  | 2500        | ND                            | 90.2 | 55-136             |     |           |      |
| Bromoform                             | 2150   | 50                        | 13   | ug/L  | 2500        | ND                            | 85.9 | 39-151             |     |           |      |
| Chloroform                            | 2860   | 50                        | 17   | ug/L  | 2500        | 567                           | 91.9 | 68-133             |     |           |      |
| Dibromochloromethane                  | 2370   | 50                        | 37   | ug/L  | 2500        | ND                            | 94.9 | 53-133             |     |           |      |
| Ethylbenzene                          | 2320   | 50                        | 26   | ug/L  | 2500        | ND                            | 92.9 | 70-143             |     |           |      |
| Methyl tert Butyl Ether               | 2280   | 500                       | 29   | ug/L  | 2500        | ND                            | 91.3 | 70-130             |     |           |      |
| Tetrachloroethene                     | 2190   | 50                        | 17   | ug/L  | 2500        | 45.0                          | 85.9 | 63-132             |     |           |      |
| Toluene                               | 2250   | 50                        | 22   | ug/L  | 2500        | ND                            | 90.0 | 70-130             |     |           |      |
| Trichloroethene                       | 7240   | 50                        | 17   | ug/L  | 2500        | 5190                          | 81.8 | 70-130             |     |           |      |
| Vinyl Chloride                        | 2450   | 50                        | 13   | ug/L  | 2500        | ND                            | 97.9 | 60-130             |     |           |      |
| Xylenes (m+p)                         | 4650   | 50                        | 36   | ug/L  | 5000        | ND                            | 93.0 | 70-147             |     |           |      |
| Xylenes (ortho)                       | 2300   | 50                        | 41   | ug/L  | 2500        | ND                            | 92.1 | 69-147             |     |           |      |
| Surrogate: 1,2-Dichloroethane-d4      | 99.8   |                           |      | ug/L  | 100         |                               | 99.8 | 80-124             |     |           |      |
| Surrogate: Bromofluorobenzene         | 98.8   |                           |      | ug/L  | 100         |                               | 98.8 | 71-149             |     |           |      |
| Surrogate: Toluene-d8                 | 101    |                           |      | ug/L  | 100         |                               | 101  | 80-120             |     |           |      |



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Analytical Report: Page 23 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1348**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

## Notes and Definitions

J Estimated value

Nrnd The precision and/or accuracy criteria has been met when rounded to the nearest whole percentage value.

QBLK The method blank did not meet laboratory acceptance criteria.

QHCno The quality control sample chromatographic pattern does NOT resemble the fuel standard used for quantitation.

QLout The LCS and/or LCSD recovery did not meet laboratory acceptance criteria.

QMSD The MS recovery and MS/MSD RPD met laboratory acceptance criteria. MSD recovery was not within range. MSD performed to assess precision data only.

QSout Surrogate recoveries did not meet laboratory acceptance criteria.

ND: Analyte NOT DETECTED at or above the Method Detection Limit (**if MDL is reported**), otherwise at or above the Reportable Detection Limit (RDL)

NR: Not Reported

RDL: Reportable Detection Limit

MDL: Method Detection Limit

\* / (Non-NELAP): NELAP does not offer accreditation for this analyte/method/matrix combination

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## Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

*Lawrence J. Chrystal*

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Laboratory Director

cc:

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EPA no. CA00102



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Analytical Report: Page 24 of 24  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

Work Order Number: A9D1348

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 15 °C

# CHAIN OF CUSTODY RECORD

SHIP TO: E.S. Babcock & Sons  
Quail Valley Ct  
Riverside, CA 92507  
951-653-3351

TETRA TECH, INC.  
348 W. Hospitality Lane, Suite 100  
San Bernardino, California 92408  
Telephone: (909) 381-1674  
FAX: (909) 888-1391



DATE 04/15/2009 PAGE 1 OF 1

| CLIENT: Tetra Tech               |             |            |      | PARAMETERS          |  |  |  | TURN-AROUND TIME      |                      |
|----------------------------------|-------------|------------|------|---------------------|--|--|--|-----------------------|----------------------|
| PROJECT NAME: LML Bennett Site 2 |             |            |      | PRESERVATIVE        |  |  |  | OBSERVATIONS/COMMENTS |                      |
| PROJECT MANAGER: Tom Villeneuve  |             |            |      | CONTAINER TYPE      |  |  |  |                       |                      |
| TC #                             |             |            |      | MATRIX TYPE         |  |  |  |                       |                      |
| SAMPLERS (Signatures)            |             |            |      | FILTERED/UNFILTERED |  |  |  |                       |                      |
| LINE                             | SAMPLE NO.  | DATE       | TIME |                     |  |  |  |                       |                      |
| 1.                               | TB-01509    | 04/15/2009 | 1400 | X                   |  |  |  | 24 hr                 | 48 hr                |
| 2.                               | FDJ2-256204 | 1415       |      | X                   |  |  |  | 24 hr                 | Rust (2nd Tank)      |
| 3.                               | IOW1-265615 | 1515       |      | X                   |  |  |  | 24 hr                 | Normal TA (1st Tank) |
| 4.                               |             |            |      |                     |  |  |  |                       |                      |
| 5.                               |             |            |      |                     |  |  |  |                       |                      |
| 6.                               |             |            |      |                     |  |  |  |                       |                      |
| 7.                               |             |            |      |                     |  |  |  |                       |                      |
| 8.                               |             |            |      |                     |  |  |  |                       |                      |
| 9.                               |             |            |      |                     |  |  |  |                       |                      |
| 10.                              |             |            |      |                     |  |  |  |                       |                      |

| FILTERING:                        |                                     | MATRIX TYPE: |              | CONTAINER TYPE:             |                        | PRESERVATIVES (Water Only) |                                |
|-----------------------------------|-------------------------------------|--------------|--------------|-----------------------------|------------------------|----------------------------|--------------------------------|
| <input type="checkbox"/> FILTERED | <input type="checkbox"/> UNFILTERED | S - Soil     | M - Sediment | G - Glass Bottle/Jar        | SB - Brass Sleeve      | HCL                        | NaOH                           |
|                                   |                                     | W - Water    |              | SS - Stainless Steel Sleeve | P - Plastic Bottle/Jar | NR (None required)         | H <sub>2</sub> SO <sub>4</sub> |
| RELINQUISHED BY: David Babcock    | SIGNATURE                           |              |              |                             |                        |                            |                                |
| RECEIVED BY: [Signature]          | SIGNATURE                           |              |              |                             |                        |                            |                                |
| RELINQUISHED BY: [Signature]      | SIGNATURE                           |              |              |                             |                        |                            |                                |
| RECEIVED BY: [Signature]          | SIGNATURE                           |              |              |                             |                        |                            |                                |

| TETRA TECH, INC. |      | TOTAL NUMBER OF CONTAINERS ON THIS CHAIN OF CUSTODY: 25 |                                                 |
|------------------|------|---------------------------------------------------------|-------------------------------------------------|
| DATE             | TIME | METHOD OF SHIPMENT/SHIPMENT NO.                         | SPECIAL SHIPPING/HANDLING/STORAGE REQUIREMENTS: |
| 04/15/2009       | 1607 | Page - off                                              | T=15°C                                          |
| 04/15/2009       | 1104 |                                                         |                                                 |
|                  |      |                                                         |                                                 |
|                  |      |                                                         |                                                 |

DISTRIBUTION: White and Pink = Tetra Tech, Inc. Canary = Laboratory

A9D1348AB





**E.S.BABCOCK**&Sons, Inc.  
Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 1 of 5  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1867**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 8 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

### Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u>         | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u>        | <u>Date Submitted</u> | <u>By</u>        |
|---------------------|---------------------------------|---------------|---------------------|------------------|-----------------------|------------------|
| A9D1867-01          | IDW1-042209 LMC Beaumont Site 2 | Liquid        | 04/22/09 10:00      | David Bertolacci | 04/22/09 11:03        | David Bertolacci |





**E.S.BABCOCK**&Sons, Inc.  
Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 2 of 5  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1867**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 8 °C

Laboratory Reference Number

**A9D1867-01**

| <u>Sample Description</u>       | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
|---------------------------------|---------------|--------------------------|---------------------------|
| IDW1-042209 LMC Beaumont Site 2 | Liquid        | 04/22/09 10:00           | 04/22/09 11:03            |

| Analyte(s)                        | Result | RDL | MDL | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------|--------|-----|-----|-------|-----------|----------------|---------|------|
| General Inorganics<br>Perchlorate | 1600   | 100 | 71  | ug/L* | EPA 332.0 | 04/22/09 23:02 | sll     |      |



**E.S.BABCOCK & Sons, Inc.**  
Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 3 of 5  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1867**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 8 °C

**General Inorganics - Batch Quality Control**

| Analyte(s)                                  | Result | RDL  | MDL   | Units | Spike Level | Source Result                                    | %REC | %REC Limits | RPD  | RPD Limit | Flag |
|---------------------------------------------|--------|------|-------|-------|-------------|--------------------------------------------------|------|-------------|------|-----------|------|
| <b>Batch 9D22028 - Analyzed as received</b> |        |      |       |       |             |                                                  |      |             |      |           |      |
| <b>Blank (9D22028-BLK1)</b>                 |        |      |       |       |             | Prepared & Analyzed: 04/22/09                    |      |             |      |           |      |
| Perchlorate                                 | ND     | 0.10 | 0.071 | ug/L* |             |                                                  |      |             |      |           |      |
| <b>LCS (9D22028-BS1)</b>                    |        |      |       |       |             | Prepared & Analyzed: 04/22/09                    |      |             |      |           |      |
| Perchlorate                                 | 4.88   | 0.10 | 0.071 | ug/L* | 5.00        |                                                  | 97.5 | 80-120      |      |           |      |
| <b>Duplicate (9D22028-DUP1)</b>             |        |      |       |       |             | Source: A9D1867-01 Prepared & Analyzed: 04/22/09 |      |             |      |           |      |
| Perchlorate                                 | 1540   | 100  | 71    | ug/L* |             | 1570                                             |      |             | 1.93 | 20        |      |
| <b>Matrix Spike (9D22028-MS1)</b>           |        |      |       |       |             | Source: A9D1867-01 Prepared & Analyzed: 04/22/09 |      |             |      |           |      |
| Perchlorate                                 | 6430   | 100  | 71    | ug/L* | 5000        | 1570                                             | 97.3 | 80-120      |      |           |      |
| <b>Matrix Spike Dup (9D22028-MSD1)</b>      |        |      |       |       |             | Source: A9D1867-01 Prepared & Analyzed: 04/22/09 |      |             |      |           |      |
| Perchlorate                                 | 6170   | 100  | 71    | ug/L* | 5000        | 1570                                             | 92.1 | 80-120      | 4.13 | 20        |      |



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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 4 of 5  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1867**

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 8 °C

## Notes and Definitions

ND: Analyte NOT DETECTED at or above the Method Detection Limit (**if MDL is reported**), otherwise at or above the Reportable Detection Limit (RDL)  
NR: Not Reported  
RDL: Reportable Detection Limit  
MDL: Method Detection Limit

\* / (Non-NELAP): NELAP does not offer accreditation for this analyte/method/matrix combination

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## Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

*Lawrence J. Chrystal*

---

Lawrence J. Chrystal

Laboratory Director

cc:

ESB\_md1\_PDF Report

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

*location*  
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NELAP no, 02101CA  
CA ELAP no. 2698  
EPA no. CA00102



E.S.BABCOCK & Sons, Inc.

Environmental Laboratories est. 1906

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 5 of 5  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

Work Order Number: A9D1867

Report Date: 23-Apr-2009

Received on Ice (Y/N): Yes Temp: 8 °C

# CHAIN OF CUSTODY RECORD

SHIP TO: E.S. Babcock & Sons  
6100 Quail Valley Court  
Riverside, CA 92507  
951-653-3351

TETRA TECH, INC.  
348 W. Hospitality Lane, Suite 100  
San Bernardino, California 92408  
Telephone: (909) 381-1674  
FAX: (909) 889-1391



DATE 04/22/2009 PAGE 1 OF 1

| CLIENT: Tetra Tech                 |            |            |      | PARAMETERS                                                                  |                    |             |            | PRESERVATIVES: (Water Only)                                             |            |       |            |       |
|------------------------------------|------------|------------|------|-----------------------------------------------------------------------------|--------------------|-------------|------------|-------------------------------------------------------------------------|------------|-------|------------|-------|
| PROJECT NAME: LMC Bertram Site 2   |            |            |      | TURN-AROUND TIME: 24-Hr Rush                                                |                    |             |            | HCL                                                                     |            |       |            |       |
| PROJECT MANAGER: Tom Villeneuve    |            |            |      | OBSERVATIONS/COMMENTS: Please email results: david.bertolacci@tetratech.com |                    |             |            | NaOH                                                                    |            |       |            |       |
| TC #: 22289-040108                 |            |            |      | PRESERVATIVE                                                                |                    |             |            | H <sub>2</sub> SO <sub>4</sub>                                          |            |       |            |       |
| SAMPLERS (Signatures): [Signature] |            |            |      | NUMBER OF CONTAINERS                                                        |                    |             |            | NR (None required)                                                      |            |       |            |       |
|                                    |            |            |      | CONTAINER TYPE                                                              |                    |             |            | TOTAL NUMBER OF CONTAINERS ON THIS CHAIN OF CUSTODY: 4                  |            |       |            |       |
|                                    |            |            |      | MATRIX TYPE                                                                 |                    |             |            | METHOD OF SHIPMENT/SHIPMENT NO. drop-off                                |            |       |            |       |
|                                    |            |            |      | FILTERED/UNFILTERED                                                         |                    |             |            | Special Shipping/Handling/Storage Requirements: Hot TOL + Metal Samples |            |       |            |       |
|                                    |            |            |      | TIME                                                                        |                    |             |            | TIME                                                                    |            |       |            |       |
| 1.                                 | IDW1-m1204 | 04/22/2009 | 1000 | X                                                                           | Perchlorate (3380) | TOL (415.1) | 04/22/2009 | 11:00                                                                   | 04/22/2009 | 11:00 | 04/22/2009 | 11:00 |
| 2.                                 |            |            |      |                                                                             |                    |             |            |                                                                         |            |       |            |       |
| 3.                                 |            |            |      |                                                                             |                    |             |            |                                                                         |            |       |            |       |
| 4.                                 |            |            |      |                                                                             |                    |             |            |                                                                         |            |       |            |       |
| 5.                                 |            |            |      |                                                                             |                    |             |            |                                                                         |            |       |            |       |
| 6.                                 |            |            |      |                                                                             |                    |             |            |                                                                         |            |       |            |       |
| 7.                                 |            |            |      |                                                                             |                    |             |            |                                                                         |            |       |            |       |
| 8.                                 |            |            |      |                                                                             |                    |             |            |                                                                         |            |       |            |       |
| 9.                                 |            |            |      |                                                                             |                    |             |            |                                                                         |            |       |            |       |
| 10.                                |            |            |      |                                                                             |                    |             |            |                                                                         |            |       |            |       |

9D1867#6 APR 22 2009

Canary = Laboratory

DISTRIBUTION: White and Pink = Tetra Tech, Inc.



**E.S.BABCOCK**&Sons, Inc.  
Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 1 of 5  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1870**

Report Date: 24-Apr-2009

Received on Ice (Y/N): Yes Temp: 8 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

### Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u>        | <u>Date Submitted</u> | <u>By</u>        |
|---------------------|-------------------------|---------------|---------------------|------------------|-----------------------|------------------|
| A9D1870-01          | IDW2-042209             | Liquid        | 04/22/09 10:15      | David Bertolacci | 04/22/09 11:03        | David Bertolacci |



**E.S.BABCOCK**&Sons, Inc.  
Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 2 of 5  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1870**

Report Date: 24-Apr-2009

Received on Ice (Y/N): Yes Temp: 8 °C

Laboratory Reference Number

**A9D1870-01**

| <u>Sample Description</u> | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
|---------------------------|---------------|--------------------------|---------------------------|
| IDW2-042209               | Liquid        | 04/22/09 10:15           | 04/22/09 11:03            |

| Analyte(s)   | Result | RDL  | MDL  | Units | Method    | Analysis Date  | Analyst | Flag |
|--------------|--------|------|------|-------|-----------|----------------|---------|------|
| Anions       |        |      |      |       |           |                |         |      |
| Sulfate      | 62     | 0.50 |      | mg/L  | EPA 300.0 | 04/22/09 23:12 | AA      |      |
| Nitrate as N | ND     | 0.20 | 0.11 | mg/L  | EPA 300.0 | 04/22/09 23:12 | AA      |      |

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 3 of 5  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1870**

Report Date: 24-Apr-2009

Received on Ice (Y/N): Yes Temp: 8 °C

### Anions - Batch Quality Control

| Analyte(s)                                  | Result | RDL  | MDL  | Units | Spike Level | Source Result                                            | %REC | %REC Limits | RPD   | RPD Limit | Flag |
|---------------------------------------------|--------|------|------|-------|-------------|----------------------------------------------------------|------|-------------|-------|-----------|------|
| <b>Batch 9D22055 - Analyzed as received</b> |        |      |      |       |             |                                                          |      |             |       |           |      |
| <b>Blank (9D22055-BLK1)</b>                 |        |      |      |       |             | Prepared & Analyzed: 04/22/09                            |      |             |       |           |      |
| Sulfate                                     | ND     | 0.50 |      | mg/L  |             |                                                          |      |             |       |           |      |
| Nitrate as N                                | ND     | 0.20 | 0.11 | mg/L  |             |                                                          |      |             |       |           |      |
| <b>LCS (9D22055-BS1)</b>                    |        |      |      |       |             | Prepared & Analyzed: 04/22/09                            |      |             |       |           |      |
| Sulfate                                     | 48.6   | 0.50 |      | mg/L  | 50.0        |                                                          | 97.2 | 90-110      |       |           |      |
| Nitrate as N                                | 11.7   | 0.20 | 0.11 | mg/L  | 11.3        |                                                          | 103  | 90-110      |       |           |      |
| <b>Matrix Spike (9D22055-MS1)</b>           |        |      |      |       |             | Source: A9D1852-02 Prepared & Analyzed: 04/22/09         |      |             |       |           |      |
| Sulfate                                     | 195    | 0.50 |      | mg/L  | 100         | 82.5                                                     | 113  | 87-114      |       |           |      |
| Nitrate as N                                | 10.5   | 0.20 | 0.11 | mg/L  | 4.52        | 5.24                                                     | 116  | 78-120      |       |           |      |
| <b>Matrix Spike (9D22055-MS2)</b>           |        |      |      |       |             | Source: A9D1874-03 Prepared: 04/22/09 Analyzed: 04/23/09 |      |             |       |           |      |
| Sulfate                                     | 187    | 0.50 |      | mg/L  | 100         | 80.2                                                     | 106  | 87-114      |       |           |      |
| Nitrate as N                                | 13.0   | 0.20 | 0.11 | mg/L  | 4.52        | 8.17                                                     | 107  | 78-120      |       |           |      |
| <b>Matrix Spike Dup (9D22055-MSD1)</b>      |        |      |      |       |             | Source: A9D1852-02 Prepared & Analyzed: 04/22/09         |      |             |       |           |      |
| Sulfate                                     | 197    | 0.50 |      | mg/L  | 100         | 82.5                                                     | 115  | 87-114      | 0.949 | 20        | QMSD |
| Nitrate as N                                | 10.3   | 0.20 | 0.11 | mg/L  | 4.52        | 5.24                                                     | 112  | 78-120      | 1.57  | 20        |      |



Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 4 of 5  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D1870**

Report Date: 24-Apr-2009

Received on Ice (Y/N): Yes Temp: 8 °C

## Notes and Definitions

QMSD The MS recovery and MS/MSD RPD met laboratory acceptance criteria. MSD recovery was not within range. MSD performed to assess precision data only.

ND: Analyte NOT DETECTED at or above the Method Detection Limit (**if MDL is reported**), otherwise at or above the Reportable Detection Limit (RDL)

NR: Not Reported

RDL: Reportable Detection Limit

MDL: Method Detection Limit

\* / (Non-NELAP): NELAP does not offer accreditation for this analyte/method/matrix combination

---

## Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.



---

Lawrence J. Chrystal

Laboratory Director

cc:

ESB\_md1\_PDF Report



E.S.BABCOCK & Sons, Inc.

Environmental Laboratories est. 1906

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 5 of 5  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

Work Order Number: A9D1870

Report Date: 24-Apr-2009

Received on Ice (Y/N): Yes Temp: 8 °C

# CHAIN OF CUSTODY RECORD

SHIP TO: E.S. Babcock & Sons  
6100 Quail Valley Ct  
Riverside, CA 92504  
951-653-3351

TETRA TECH, INC.  
348 W. Hospitality Lane, Suite 100  
San Bernardino, California 92408  
Telephone: (909) 381-1674  
FAX: (909) 885-1391



| CLIENT: Tetra Tech                  |            |            |       | DATE: 04/22/2009 PAGE 1 OF 1                                                 |                |                   |                             |
|-------------------------------------|------------|------------|-------|------------------------------------------------------------------------------|----------------|-------------------|-----------------------------|
| PROJECT NAME: Linc. Beaumont Site 2 |            |            |       | TURN-AROUND TIME: 24 HR                                                      |                |                   |                             |
| PROJECT MANAGER: Tom Villeneuve     |            |            |       | OBSERVATIONS/COMMENTS: Please email results to: david.babcock@tetra-tech.com |                |                   |                             |
| TC #: 02284-080108                  |            |            |       | PRESERVATIVE: NONE                                                           |                |                   |                             |
| SAMPLERS (Signatures):              |            |            |       | CONTAINER TYPE: UN                                                           |                |                   |                             |
| LINE (REV)                          | SAMPLE NO. | DATE       | TIME  | MATRIX TYPE                                                                  | CONTAINER TYPE | SB - Brass Sleeve | SS - Stainless Steel Sleeve |
| 1.                                  | 042209     | 04/22/2009 | 10:15 | W                                                                            | P              | 1 NR              | IP# 256204                  |
| 2.                                  |            |            |       |                                                                              |                |                   |                             |
| 3.                                  |            |            |       |                                                                              |                |                   |                             |
| 4.                                  |            |            |       |                                                                              |                |                   |                             |
| 5.                                  |            |            |       |                                                                              |                |                   |                             |
| 6.                                  |            |            |       |                                                                              |                |                   |                             |
| 7.                                  |            |            |       |                                                                              |                |                   |                             |
| 8.                                  |            |            |       |                                                                              |                |                   |                             |
| 9.                                  |            |            |       |                                                                              |                |                   |                             |
| 10.                                 |            |            |       |                                                                              |                |                   |                             |

| FILTERING:                        |                                     | MATRIX TYPE: |              | CONTAINER TYPE:      |                             | PRESERVATIVES: (Water Only) |      |
|-----------------------------------|-------------------------------------|--------------|--------------|----------------------|-----------------------------|-----------------------------|------|
| <input type="checkbox"/> FILTERED | <input type="checkbox"/> UNFILTERED | S - Soil     | M - Sediment | G - Glass Bottle/Jar | SS - Stainless Steel Sleeve | HCL                         | NaOH |
|                                   |                                     | W - Water    |              |                      |                             | NR (None required)          |      |

| RELINQUISHED BY  | SIGNATURE   | DATE       | TIME  | TOTAL NUMBER OF CONTAINERS ON THIS CHAIN OF CUSTODY: |
|------------------|-------------|------------|-------|------------------------------------------------------|
| David Babcock    | [Signature] | 04/22/2009 | 11:00 | 1                                                    |
| RECEIVED BY      | [Signature] | DATE       | TIME  | METHOD OF SHIPMENT/SHIPMENT NO.                      |
| Angelina Babcock | [Signature] | 4/22/09    | 11:03 | Drop-off                                             |
| RELINQUISHED BY  | SIGNATURE   | DATE       | TIME  | Special Shipping/Handling/Storage Requirements:      |
|                  | [Signature] |            |       | 8°C                                                  |

DISTRIBUTION: White and Pink = Tetra Tech, Inc. Canary = Laboratory



**E.S.BABCOCK**&Sons, Inc.  
Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 1 of 6  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D2556**

Report Date: 01-May-2009

Received on Ice (Y/N): Yes Temp: 14 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

### Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u>         | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u>        | <u>Date Submitted</u> | <u>By</u>        |
|---------------------|---------------------------------|---------------|---------------------|------------------|-----------------------|------------------|
| A9D2556-01          | IDW1-043009 LMC Beaumont Site 2 | Liquid        | 04/30/09 11:50      | David Bertolacci | 04/30/09 12:38        | David Bertolacci |
| A9D2556-02          | IDW2-043009 LMC Beaumont Site 2 | Liquid        | 04/30/09 12:00      | David Bertolacci | 04/30/09 12:38        | David Bertolacci |



**E.S.BABCOCK**&Sons, Inc.  
Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 2 of 6  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D2556**

Report Date: 01-May-2009

Received on Ice (Y/N): Yes Temp: 14 °C

Laboratory Reference Number

**A9D2556-01**

| <u>Sample Description</u>       | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
|---------------------------------|---------------|--------------------------|---------------------------|
| IDW1-043009 LMC Beaumont Site 2 | Liquid        | 04/30/09 11:50           | 04/30/09 12:38            |

| Analyte(s)                        | Result | RDL  | MDL   | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------|--------|------|-------|-------|-----------|----------------|---------|------|
| General Inorganics<br>Perchlorate | ND     | 0.10 | 0.071 | ug/L* | EPA 332.0 | 05/01/09 02:44 | sll     |      |



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Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 3 of 6  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D2556**

Report Date: 01-May-2009

Received on Ice (Y/N): Yes Temp: 14 °C

Laboratory Reference Number

**A9D2556-02**

| <u>Sample Description</u>       | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
|---------------------------------|---------------|--------------------------|---------------------------|
| IDW2-043009 LMC Beaumont Site 2 | Liquid        | 04/30/09 12:00           | 04/30/09 12:38            |

| Analyte(s)                        | Result | RDL | MDL  | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------|--------|-----|------|-------|-----------|----------------|---------|------|
| General Inorganics<br>Perchlorate | 130    | 1.0 | 0.71 | ug/L* | EPA 332.0 | 05/01/09 02:44 | sll     |      |



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Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 4 of 6  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D2556**

Report Date: 01-May-2009

Received on Ice (Y/N): Yes Temp: 14 °C

**General Inorganics - Batch Quality Control**

| Analyte(s)                                  | Result | RDL  | MDL   | Units | Spike Level | Source Result                                                   | %REC | %REC Limits | RPD   | RPD Limit | Flag |
|---------------------------------------------|--------|------|-------|-------|-------------|-----------------------------------------------------------------|------|-------------|-------|-----------|------|
| <b>Batch 9D30038 - Analyzed as received</b> |        |      |       |       |             |                                                                 |      |             |       |           |      |
| <b>Blank (9D30038-BLK1)</b>                 |        |      |       |       |             | Prepared: 04/30/09 Analyzed: 05/01/09                           |      |             |       |           |      |
| Perchlorate                                 | ND     | 0.10 | 0.071 | ug/L* |             |                                                                 |      |             |       |           |      |
| <b>LCS (9D30038-BS1)</b>                    |        |      |       |       |             | Prepared: 04/30/09 Analyzed: 05/01/09                           |      |             |       |           |      |
| Perchlorate                                 | 5.29   | 0.10 | 0.071 | ug/L* | 5.00        |                                                                 | 106  | 80-120      |       |           |      |
| <b>Duplicate (9D30038-DUP1)</b>             |        |      |       |       |             | <b>Source: A9D2427-03</b> Prepared: 04/30/09 Analyzed: 05/01/09 |      |             |       |           |      |
| Perchlorate                                 | 264    | 100  | 71    | ug/L* |             | 244                                                             |      |             | 7.94  | 20        |      |
| <b>Matrix Spike (9D30038-MS1)</b>           |        |      |       |       |             | <b>Source: A9D2427-03</b> Prepared: 04/30/09 Analyzed: 05/01/09 |      |             |       |           |      |
| Perchlorate                                 | 5250   | 100  | 71    | ug/L* | 5000        | 244                                                             | 100  | 80-120      |       |           |      |
| <b>Matrix Spike Dup (9D30038-MSD1)</b>      |        |      |       |       |             | <b>Source: A9D2427-03</b> Prepared: 04/30/09 Analyzed: 05/01/09 |      |             |       |           |      |
| Perchlorate                                 | 5270   | 100  | 71    | ug/L* | 5000        | 244                                                             | 100  | 80-120      | 0.415 | 20        |      |



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San Bernardino, CA 92408-3216

Analytical Report: Page 5 of 6  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9D2556**

Report Date: 01-May-2009

Received on Ice (Y/N): Yes Temp: 14 °C

## Notes and Definitions

ND: Analyte NOT DETECTED at or above the Method Detection Limit (**if MDL is reported**), otherwise at or above the Reportable Detection Limit (RDL)  
NR: Not Reported  
RDL: Reportable Detection Limit  
MDL: Method Detection Limit

\* / (Non-NELAP): NELAP does not offer accreditation for this analyte/method/matrix combination

---

## Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

*Lawrence J. Chrystal*

---

Lawrence J. Chrystal

Laboratory Director

cc:

ESB\_md1\_PDF Report

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NELAP no. 02101CA  
CA ELAP no. 2698  
EPA no. CA00102





E.S.BABCOCK & Sons, Inc.

Environmental Laboratories est. 1906

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 6 of 6  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

Work Order Number: A9D2556

Report Date: 01-May-2009

Received on Ice (Y/N): Yes Temp: 14 °C

# CHAIN OF CUSTODY RECORD

SHIP TO: ES Babcock & Sons  
348 West Hospitality Lane, Suite 100  
San Bernardino, California 92408  
Telephone: (909) 381-1674  
FAX: (909) 889-1391

TETRA TECH, INC.  
348 W. Hospitality Lane, Suite 100  
San Bernardino, California 92408  
Telephone: (909) 381-1674  
FAX: (909) 889-1391



DATE 04/30/2009 PAGE 1 OF 1

| CLIENT: Tetra Tech |  |  |  | PROJECT NAME: Linc Segment Site 2 |  |  |  | PROJECT MANAGER: Thomas Villeneuve |  |  |  | TC #: 22284-090108   |  |  |  | SAMPLERS (Signature): |  |  |  | TURN-AROUND TIME: 24-hr Rush |  |  |  | OBSERVATIONS/COMMENTS: |  |  |  |
|--------------------|--|--|--|-----------------------------------|--|--|--|------------------------------------|--|--|--|----------------------|--|--|--|-----------------------|--|--|--|------------------------------|--|--|--|------------------------|--|--|--|
| PARAMETERS         |  |  |  | MATRIX TYPE                       |  |  |  | CONTAINER TYPE                     |  |  |  | NUMBER OF CONTAINERS |  |  |  | PRESERVATIVE          |  |  |  |                              |  |  |  |                        |  |  |  |
| SAMPLE NO.         |  |  |  | DATE                              |  |  |  | TIME                               |  |  |  | FILTERED/UNFILTERED  |  |  |  | PRESERVATIVE          |  |  |  |                              |  |  |  |                        |  |  |  |
| 1. IDW1 - 043009   |  |  |  | 04/30/2009                        |  |  |  | 1150                               |  |  |  | X                    |  |  |  | Week 2 (265615)       |  |  |  |                              |  |  |  |                        |  |  |  |
| 2. IDW2 - 043009   |  |  |  | 04/30/2009                        |  |  |  | 1200                               |  |  |  | X                    |  |  |  | Week 2 (256204)       |  |  |  |                              |  |  |  |                        |  |  |  |
| 3.                 |  |  |  |                                   |  |  |  |                                    |  |  |  |                      |  |  |  |                       |  |  |  |                              |  |  |  |                        |  |  |  |
| 4.                 |  |  |  |                                   |  |  |  |                                    |  |  |  |                      |  |  |  |                       |  |  |  |                              |  |  |  |                        |  |  |  |
| 5.                 |  |  |  |                                   |  |  |  |                                    |  |  |  |                      |  |  |  |                       |  |  |  |                              |  |  |  |                        |  |  |  |
| 6.                 |  |  |  |                                   |  |  |  |                                    |  |  |  |                      |  |  |  |                       |  |  |  |                              |  |  |  |                        |  |  |  |
| 7.                 |  |  |  |                                   |  |  |  |                                    |  |  |  |                      |  |  |  |                       |  |  |  |                              |  |  |  |                        |  |  |  |
| 8.                 |  |  |  |                                   |  |  |  |                                    |  |  |  |                      |  |  |  |                       |  |  |  |                              |  |  |  |                        |  |  |  |
| 9.                 |  |  |  |                                   |  |  |  |                                    |  |  |  |                      |  |  |  |                       |  |  |  |                              |  |  |  |                        |  |  |  |
| 10.                |  |  |  |                                   |  |  |  |                                    |  |  |  |                      |  |  |  |                       |  |  |  |                              |  |  |  |                        |  |  |  |

| RELINQUISHED BY    |            | RECEIVED BY        |            | RELINQUISHED BY    |            | RECEIVED BY        |            | RELINQUISHED BY    |            | RECEIVED BY        |            | RELINQUISHED BY    |            | RECEIVED BY        |            |
|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|
| SIGNATURE          | DATE       | SIGNATURE          | DATE       | SIGNATURE          | DATE       | SIGNATURE          | DATE       | SIGNATURE          | DATE       | SIGNATURE          | DATE       | SIGNATURE          | DATE       | SIGNATURE          | DATE       |
| <i>[Signature]</i> | 04/30/2009 | <i>[Signature]</i> | 04/30/2009 | <i>[Signature]</i> | 04/30/2009 | <i>[Signature]</i> | 04/30/2009 | <i>[Signature]</i> | 04/30/2009 | <i>[Signature]</i> | 04/30/2009 | <i>[Signature]</i> | 04/30/2009 | <i>[Signature]</i> | 04/30/2009 |
| TETRA TECH, INC.   |            | TETRA TECH, INC.   |            | TETRA TECH, INC.   |            | TETRA TECH, INC.   |            | TETRA TECH, INC.   |            | TETRA TECH, INC.   |            | TETRA TECH, INC.   |            | TETRA TECH, INC.   |            |
| COMPANY            |            | COMPANY            |            | COMPANY            |            | COMPANY            |            | COMPANY            |            | COMPANY            |            | COMPANY            |            | COMPANY            |            |

| PRESERVATIVES: (Water Only) |      | TOTAL NUMBER OF CONTAINERS ON THIS CHAIN OF CUSTODY: 2 |               | METHOD OF SHIPMENT/SHIPMENT NO. |              | Special Shipping/Handling/Storage Requirements: |              |
|-----------------------------|------|--------------------------------------------------------|---------------|---------------------------------|--------------|-------------------------------------------------|--------------|
| HCL                         | NaOH | NR                                                     | None required | SHIPMENT NO.                    | SHIPMENT NO. | SHIPMENT NO.                                    | SHIPMENT NO. |
|                             |      |                                                        |               | SHIPMENT NO.                    | SHIPMENT NO. | SHIPMENT NO.                                    | SHIPMENT NO. |

| DISTRIBUTION: White and Pink = Tetra Tech, Inc. Canary = Laboratory |                    |
|---------------------------------------------------------------------|--------------------|
| RELINQUISHED BY                                                     | RECEIVED BY        |
| <i>[Signature]</i>                                                  | <i>[Signature]</i> |
| DATE                                                                | DATE               |
| 04/30/2009                                                          | 04/30/2009         |

A9D25560AB APR 30 2009



**E.S.BABCOCK**&Sons, Inc.  
Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 1 of 6  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E0424**

Report Date: 07-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

### Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u>         | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u>        | <u>Date Submitted</u> | <u>By</u>        |
|---------------------|---------------------------------|---------------|---------------------|------------------|-----------------------|------------------|
| A9E0424-01          | IDW1-050609 LMC Beaumont Site 2 | Liquid        | 05/06/09 12:00      | David Bertolacci | 05/06/09 14:20        | David Bertolacci |
| A9E0424-02          | IDW2-050609 LMC Beaumont Site 2 | Liquid        | 05/06/09 13:37      | David Bertolacci | 05/06/09 14:20        | David Bertolacci |



**E.S.BABCOCK**&Sons, Inc.  
Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 2 of 6  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E0424**

Report Date: 07-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Laboratory Reference Number

**A9E0424-01**

| <u>Sample Description</u>       | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
|---------------------------------|---------------|--------------------------|---------------------------|
| IDW1-050609 LMC Beaumont Site 2 | Liquid        | 05/06/09 12:00           | 05/06/09 14:20            |

| Analyte(s)                        | Result | RDL  | MDL   | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------|--------|------|-------|-------|-----------|----------------|---------|------|
| General Inorganics<br>Perchlorate | ND     | 0.10 | 0.071 | ug/L* | EPA 332.0 | 05/07/09 03:40 | sll     |      |



**E.S.BABCOCK & Sons, Inc.**  
Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 3 of 6  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E0424**

Report Date: 07-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Laboratory Reference Number

**A9E0424-02**

Sample Description

IDW2-050609 LMC Beaumont Site 2

Matrix

Liquid

Sampled Date/Time

05/06/09 13:37

Received Date/Time

05/06/09 14:20

| Analyte(s)                        | Result | RDL  | MDL   | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------|--------|------|-------|-------|-----------|----------------|---------|------|
| General Inorganics<br>Perchlorate | ND     | 0.10 | 0.071 | ug/L* | EPA 332.0 | 05/07/09 03:40 | sll     |      |



**E.S.BABCOCK**&Sons, Inc.  
Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 4 of 6  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E0424**

Report Date: 07-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**General Inorganics - Batch Quality Control**

| Analyte(s)                                  | Result | RDL  | MDL   | Units | Spike Level | Source Result                                            | %REC | %REC Limits | RPD  | RPD Limit | Flag |
|---------------------------------------------|--------|------|-------|-------|-------------|----------------------------------------------------------|------|-------------|------|-----------|------|
| <b>Batch 9E06047 - Analyzed as received</b> |        |      |       |       |             |                                                          |      |             |      |           |      |
| <b>Blank (9E06047-BLK1)</b>                 |        |      |       |       |             | Prepared: 05/06/09 Analyzed: 05/07/09                    |      |             |      |           |      |
| Perchlorate                                 | ND     | 0.10 | 0.071 | ug/L* |             |                                                          |      |             |      |           |      |
| <b>LCS (9E06047-BS1)</b>                    |        |      |       |       |             | Prepared: 05/06/09 Analyzed: 05/07/09                    |      |             |      |           |      |
| Perchlorate                                 | 4.61   | 0.10 | 0.071 | ug/L* | 5.00        |                                                          | 92.2 | 80-120      |      |           |      |
| <b>Duplicate (9E06047-DUP1)</b>             |        |      |       |       |             | Source: A9E0195-02 Prepared: 05/06/09 Analyzed: 05/07/09 |      |             |      |           |      |
| Perchlorate                                 | 0.187  | 0.10 | 0.071 | ug/L* |             | 0.196                                                    |      |             | 4.86 | 20        |      |
| <b>Matrix Spike (9E06047-MS1)</b>           |        |      |       |       |             | Source: A9E0195-02 Prepared: 05/06/09 Analyzed: 05/07/09 |      |             |      |           |      |
| Perchlorate                                 | 4.94   | 0.10 | 0.071 | ug/L* | 5.00        | 0.196                                                    | 94.9 | 80-120      |      |           |      |
| <b>Matrix Spike Dup (9E06047-MSD1)</b>      |        |      |       |       |             | Source: A9E0195-02 Prepared: 05/06/09 Analyzed: 05/07/09 |      |             |      |           |      |
| Perchlorate                                 | 5.05   | 0.10 | 0.071 | ug/L* | 5.00        | 0.196                                                    | 97.0 | 80-120      | 2.09 | 20        |      |



**E.S.BABCOCK**&Sons, Inc.  
Environmental Laboratories *est. 1906*

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Contact: Mark Feldman  
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San Bernardino, CA 92408-3216

Analytical Report: Page 5 of 6  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E0424**

Report Date: 07-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

## Notes and Definitions

ND: Analyte NOT DETECTED at or above the Method Detection Limit (**if MDL is reported**), otherwise at or above the Reportable Detection Limit (RDL)  
NR: Not Reported  
RDL: Reportable Detection Limit  
MDL: Method Detection Limit

\* / (Non-NELAP): NELAP does not offer accreditation for this analyte/method/matrix combination

---

## Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

*Lawrence J. Chrystal*

---

Lawrence J. Chrystal

Laboratory Director

cc:

ESB\_md1\_PDF Report

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NELAP no, 02101CA  
CA ELAP no. 2698  
EPA no. CA00102



E.S.BABCOCK & Sons, Inc.

Environmental Laboratories est. 1906

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
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San Bernardino, CA 92408-3216

Analytical Report: Page 6 of 6  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

Work Order Number: A9E0424

Report Date: 07-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

# CHAIN OF CUSTODY RECORD

SHIP TO: E.S. Babcock & Sons  
6102 Quail Valley Ct  
Riverside, CA 92507  
951-653-3351

TETRA TECH, INC.  
348 W. Hospitality Lane, Suite 100  
San Bernardino, California 92408  
Telephone: (909) 381-1674  
FAX: (909) 889-1391



DATE 05/06/2009 PAGE 1 OF 1

| CLIENT: Tetra Tech               |               |            |            | PARAMETERS |                         |               |             |                 |                            |                                   |       |                     |             | TURN-AROUND TIME |                   |                        |                             |     |      |                                |
|----------------------------------|---------------|------------|------------|------------|-------------------------|---------------|-------------|-----------------|----------------------------|-----------------------------------|-------|---------------------|-------------|------------------|-------------------|------------------------|-----------------------------|-----|------|--------------------------------|
| PROJECT NAME: Luc Brabant Site Z |               |            |            |            |                         |               |             |                 |                            |                                   |       |                     |             | 24 hr Rush       |                   |                        |                             |     |      |                                |
| PROJECT MANAGER: Tom Villeneuve  |               |            |            |            |                         |               |             |                 |                            |                                   |       |                     |             |                  |                   |                        |                             |     |      |                                |
| TC #: 22289 - 090108             |               |            |            |            |                         |               |             |                 |                            |                                   |       |                     |             |                  |                   |                        |                             |     |      |                                |
| SAMPLERS (Signatures)            |               |            |            |            |                         |               |             |                 |                            |                                   |       |                     |             |                  |                   |                        |                             |     |      |                                |
| LINE                             | ITEM          | SAMPLE NO. | DATE       | TIME       | PERCHLORETHYLENE (33.0) | ARIONS (30.0) | TOL (415.1) | SULFIDE (376.1) | TOTAL CAM 17 (60102/74714) | DISCLOSURE (CAM 17) (60102/74714) | OTHER | FILTERED/UNFILTERED | MATRIX TYPE | CONTAINER TYPE   | SB - Brass Sleeve | P - Plastic Bottle/Jar | PRESERVATIVES: (Water Only) | HCL | NaOH | H <sub>2</sub> SO <sub>4</sub> |
| 1.                               | IRW1 - 050609 | 050609     | 05/06/2009 | 1200       | X                       | H             | H           | H               | H                          |                                   |       | F                   | W           | 6P               | 7                 | 400                    | Test 265C15/143             |     |      |                                |
| 2.                               | IRW2 - 050609 | 050609     | 05/06/2009 | 1337       | X                       |               |             |                 |                            |                                   |       | U                   | W           | P                | 1                 | NR                     | Test 286204/1461            |     |      |                                |
| 3.                               |               |            |            |            |                         |               |             |                 |                            |                                   |       |                     |             |                  |                   |                        |                             |     |      |                                |
| 4.                               |               |            |            |            |                         |               |             |                 |                            |                                   |       |                     |             |                  |                   |                        |                             |     |      |                                |
| 5.                               |               |            |            |            |                         |               |             |                 |                            |                                   |       |                     |             |                  |                   |                        |                             |     |      |                                |
| 6.                               |               |            |            |            |                         |               |             |                 |                            |                                   |       |                     |             |                  |                   |                        |                             |     |      |                                |
| 7.                               |               |            |            |            |                         |               |             |                 |                            |                                   |       |                     |             |                  |                   |                        |                             |     |      |                                |
| 8.                               |               |            |            |            |                         |               |             |                 |                            |                                   |       |                     |             |                  |                   |                        |                             |     |      |                                |
| 9.                               |               |            |            |            |                         |               |             |                 |                            |                                   |       |                     |             |                  |                   |                        |                             |     |      |                                |
| 10.                              |               |            |            |            |                         |               |             |                 |                            |                                   |       |                     |             |                  |                   |                        |                             |     |      |                                |

| RELINQUISHED BY | SIGNATURE   | DATE       | TIME | TOTAL NUMBER OF CONTAINERS ON THIS CHAIN OF CUSTODY |
|-----------------|-------------|------------|------|-----------------------------------------------------|
| David Babcock   | [Signature] | 05/06/2009 | 1420 | 8                                                   |
| RECEIVED BY     | SIGNATURE   | DATE       | TIME | METHOD OF SHIPMENT/SHIPMENT NO.                     |
| Luc Brabant     | [Signature] | 05/06/09   | 1420 | Log-off                                             |
| RELINQUISHED BY | SIGNATURE   | DATE       | TIME | Special Shipping/Handling/Storage Requirements:     |
|                 |             |            |      | 15°C                                                |
| RECEIVED BY     | SIGNATURE   | DATE       | TIME |                                                     |

A9E0424AB

DISTRIBUTION: White and Pink = Tetra Tech, Inc. Canary = Laboratory





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Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 1 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E0598**

Report Date: 18-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

### Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u>                     | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u>        | <u>Date Submitted</u> | <u>By</u>        |
|---------------------|---------------------------------------------|---------------|---------------------|------------------|-----------------------|------------------|
| A9E0598-01          | IDW1-050609 LMC Beaumont Site 2             | Liquid        | 05/06/09 12:00      | David Bertolacci | 05/06/09 14:20        | David Bertolacci |
| A9E0598-02          | IDW1-050609 (Dissolved) LMC Beaumont Site 2 | Liquid        | 05/06/09 12:00      | David Bertolacci | 05/06/09 14:20        | David Bertolacci |



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Client Name: Tetra Tech, Inc. - San Bernardino  
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Analytical Report: Page 2 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E0598**

Report Date: 18-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Laboratory Reference Number

**A9E0598-01**

|                                 |               |                          |                           |
|---------------------------------|---------------|--------------------------|---------------------------|
| <u>Sample Description</u>       | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
| IDW1-050609 LMC Beaumont Site 2 | Liquid        | 05/06/09 12:00           | 05/06/09 14:20            |

| Analyte(s)                         | Result | RDL  | MDL   | Units | Method      | Analysis Date  | Analyst | Flag |
|------------------------------------|--------|------|-------|-------|-------------|----------------|---------|------|
| <b>Anions</b>                      |        |      |       |       |             |                |         |      |
| Total Alkalinity                   | 130    | 3.0  | 1.7   | mg/L  | SM 2320B    | 05/12/09 13:17 | je      |      |
| Hydroxide                          | ND     | 3.0  | 1.7   | mg/L  | SM 2320B    | 05/12/09 13:17 | je      |      |
| Carbonate                          | ND     | 3.0  | 1.7   | mg/L  | SM 2320B    | 05/12/09 13:17 | je      |      |
| Bicarbonate                        | 160    | 3.0  | 1.7   | mg/L  | SM 2320B    | 05/12/09 13:17 | je      |      |
| Chloride                           | 50     | 1.0  | 0.50  | mg/L  | EPA 300.0   | 05/08/09 04:21 | ss      |      |
| Sulfate                            | 36     | 0.50 | 0.37  | mg/L  | EPA 300.0   | 05/08/09 04:21 | ss      |      |
| Nitrate as N                       | ND     | 0.20 | 0.11  | mg/L  | EPA 300.0   | 05/08/09 04:21 | ss      |      |
| Fluoride                           | 1.6    | 0.1  | 0.05  | mg/L  | SM 4500F C  | 05/13/09 14:38 | hgg     |      |
| Total Anions                       | 4.84   | 0.05 | 0.05  | me/L  | Calculation |                |         |      |
| <b>Aggregate Organic Compounds</b> |        |      |       |       |             |                |         |      |
| Total Organic Carbon               | 110    | 3.5  | 0.82  | mg/L  | SM 5310B    | 05/11/09 19:18 | krv     |      |
| <b>General Inorganics</b>          |        |      |       |       |             |                |         |      |
| Sulfide                            | 1.6    | 0.10 | 0.10  | mg/L  | SM 4500S2 D | 05/07/09 19:35 | ara     |      |
| <b>Metals and Metalloids</b>       |        |      |       |       |             |                |         |      |
| Antimony                           | ND     | 10   | 3.0   | ug/L  | EPA 200.8   | 05/13/09 15:38 | krv     |      |
| Arsenic                            | 2.5    | 5.0  | 1.6   | ug/L  | EPA 200.8   | 05/13/09 15:38 | krv     | J    |
| Barium                             | 83     | 20   | 0.056 | ug/L  | EPA 200.8   | 05/13/09 15:38 | krv     |      |
| Beryllium                          | ND     | 10   | 0.17  | ug/L  | EPA 200.8   | 05/13/09 15:38 | krv     |      |
| Cadmium                            | ND     | 2.0  | 0.077 | ug/L  | EPA 200.8   | 05/13/09 15:38 | krv     |      |
| Total Chromium                     | ND     | 20   | 0.50  | ug/L  | EPA 200.8   | 05/13/09 15:38 | krv     |      |
| Cobalt                             | 1.7    | 10   | 0.28  | ug/L  | EPA 200.8   | 05/13/09 15:38 | krv     | J    |
| Copper                             | 3.9    | 10   | 1.9   | ug/L  | EPA 200.8   | 05/13/09 15:38 | krv     | J    |
| Lead                               | 0.98   | 10   | 0.084 | ug/L  | EPA 200.8   | 05/13/09 15:38 | krv     | J    |
| Mercury                            | ND     | 0.50 | 0.039 | ug/L  | EPA 200.8   | 05/13/09 15:38 | krv     |      |
| Molybdenum                         | 39     | 10   | 0.90  | ug/L  | EPA 200.8   | 05/13/09 15:38 | krv     |      |
| Nickel                             | 3.5    | 20   | 1.5   | ug/L  | EPA 200.8   | 05/13/09 15:38 | krv     | J    |
| Selenium                           | ND     | 5.0  | 2.5   | ug/L  | EPA 200.8   | 05/13/09 15:38 | krv     |      |
| Silver                             | ND     | 10   | 5.0   | ug/L  | EPA 200.8   | 05/13/09 15:38 | krv     |      |
| Thallium                           | ND     | 200  | 0.98  | ug/L  | EPA 200.8   | 05/13/09 15:38 | krv     |      |
| Vanadium                           | 6.1    | 10   | 2.7   | ug/L  | EPA 200.8   | 05/13/09 15:38 | krv     | J    |
| Zinc                               | 18     | 10   | 1.4   | ug/L  | EPA 200.8   | 05/15/09 11:34 | ap      |      |

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CA ELAP no. 2698  
EPA no. CA00102



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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 3 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E0598**

Report Date: 18-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

Laboratory Reference Number

**A9E0598-02**

|                                             |               |                          |                           |
|---------------------------------------------|---------------|--------------------------|---------------------------|
| <u>Sample Description</u>                   | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
| IDW1-050609 (Dissolved) LMC Beaumont Site 2 | Liquid        | 05/06/09 12:00           | 05/06/09 14:20            |

| Analyte(s)            | Result | RDL  | MDL   | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------|--------|------|-------|-------|-----------|----------------|---------|------|
| Metals and Metalloids |        |      |       |       |           |                |         |      |
| Antimony              | ND     | 10   | 3.0   | ug/L  | EPA 200.8 | 05/13/09 17:07 | krv     |      |
| Arsenic               | 1.8    | 5.0  | 1.6   | ug/L  | EPA 200.8 | 05/13/09 17:07 | krv     | J    |
| Barium                | 68     | 20   | 0.056 | ug/L  | EPA 200.8 | 05/13/09 17:07 | krv     |      |
| Beryllium             | ND     | 10   | 0.17  | ug/L  | EPA 200.8 | 05/13/09 17:07 | krv     |      |
| Cadmium               | ND     | 2.0  | 0.077 | ug/L  | EPA 200.8 | 05/13/09 17:07 | krv     |      |
| Total Chromium        | ND     | 20   | 0.50  | ug/L  | EPA 200.8 | 05/13/09 17:07 | krv     |      |
| Cobalt                | 0.95   | 10   | 0.28  | ug/L  | EPA 200.8 | 05/13/09 17:07 | krv     | J    |
| Copper                | ND     | 10   | 1.9   | ug/L  | EPA 200.8 | 05/13/09 17:07 | krv     |      |
| Lead                  | 0.11   | 10   | 0.084 | ug/L  | EPA 200.8 | 05/13/09 17:07 | krv     | J    |
| Mercury               | ND     | 0.50 | 0.039 | ug/L  | EPA 200.8 | 05/13/09 17:07 | krv     |      |
| Molybdenum            | 32     | 10   | 0.90  | ug/L  | EPA 200.8 | 05/13/09 17:07 | krv     |      |
| Nickel                | 2.0    | 20   | 1.5   | ug/L  | EPA 200.8 | 05/13/09 17:07 | krv     | J    |
| Selenium              | ND     | 5.0  | 2.5   | ug/L  | EPA 200.8 | 05/13/09 17:07 | krv     |      |
| Silver                | ND     | 10   | 5.0   | ug/L  | EPA 200.8 | 05/13/09 17:07 | krv     |      |
| Thallium              | ND     | 200  | 0.98  | ug/L  | EPA 200.8 | 05/13/09 17:07 | krv     |      |
| Vanadium              | ND     | 10   | 2.7   | ug/L  | EPA 200.8 | 05/13/09 17:07 | krv     |      |
| Zinc                  | ND     | 10   | 1.4   | ug/L  | EPA 200.8 | 05/13/09 17:07 | krv     |      |



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Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
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Analytical Report: Page 4 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E0598**

Report Date: 18-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Anions - Batch Quality Control**

| Analyte(s)                                  | Result | RDL  | MDL  | Units | Spike Level | Source Result                                            | %REC | %REC Limits | RPD   | RPD Limit | Flag         |
|---------------------------------------------|--------|------|------|-------|-------------|----------------------------------------------------------|------|-------------|-------|-----------|--------------|
| <b>Batch 9E07051 - Analyzed as received</b> |        |      |      |       |             |                                                          |      |             |       |           |              |
| <b>Blank (9E07051-BLK1)</b>                 |        |      |      |       |             | Prepared: 05/07/09 Analyzed: 05/08/09                    |      |             |       |           |              |
| Sulfate                                     | ND     | 0.50 | 0.37 | mg/L  |             |                                                          |      |             |       |           |              |
| Chloride                                    | ND     | 1.0  | 0.50 | mg/L  |             |                                                          |      |             |       |           |              |
| Nitrate as N                                | ND     | 0.20 | 0.11 | mg/L  |             |                                                          |      |             |       |           |              |
| <b>LCS (9E07051-BS1)</b>                    |        |      |      |       |             | Prepared: 05/07/09 Analyzed: 05/08/09                    |      |             |       |           |              |
| Sulfate                                     | 46.5   | 0.50 | 0.37 | mg/L  | 50.0        |                                                          | 93.0 | 90-110      |       |           |              |
| Chloride                                    | 46.4   | 1.0  | 0.50 | mg/L  | 50.0        |                                                          | 92.8 | 90-110      |       |           |              |
| Nitrate as N                                | 10.5   | 0.20 | 0.11 | mg/L  | 11.3        |                                                          | 92.9 | 90-110      |       |           |              |
| <b>Matrix Spike (9E07051-MS1)</b>           |        |      |      |       |             | Source: A9E0588-02 Prepared: 05/07/09 Analyzed: 05/08/09 |      |             |       |           |              |
| Sulfate                                     | 98.9   | 0.50 | 0.37 | mg/L  | 100         | 3.30                                                     | 95.6 | 87-114      |       |           |              |
| Chloride                                    | 44.7   | 1.0  | 0.50 | mg/L  | 50.0        | 0.500                                                    | 88.3 | 90-122      |       |           | QFpas, QMout |
| Nitrate as N                                | 3.62   | 0.20 | 0.11 | mg/L  | 4.52        | ND                                                       | 80.2 | 78-120      |       |           |              |
| <b>Matrix Spike (9E07051-MS2)</b>           |        |      |      |       |             | Source: A9E0618-01 Prepared: 05/07/09 Analyzed: 05/08/09 |      |             |       |           |              |
| Sulfate                                     | 325    | 0.50 | 0.37 | mg/L  | 100         | 238                                                      | 87.3 | 87-114      |       |           | QOcal        |
| Chloride                                    | 322    | 1.0  | 0.50 | mg/L  | 50.0        | 273                                                      | 96.9 | 90-122      |       |           | QOcal        |
| Nitrate as N                                | 3.32   | 0.20 | 0.11 | mg/L  | 4.52        | ND                                                       | 73.5 | 78-120      |       |           | QFpas, QMout |
| <b>Matrix Spike Dup (9E07051-MSD1)</b>      |        |      |      |       |             | Source: A9E0588-02 Prepared: 05/07/09 Analyzed: 05/08/09 |      |             |       |           |              |
| Sulfate                                     | 99.4   | 0.50 | 0.37 | mg/L  | 100         | 3.30                                                     | 96.0 | 87-114      | 0.418 | 20        |              |
| Chloride                                    | 44.6   | 1.0  | 0.50 | mg/L  | 50.0        | 0.500                                                    | 88.1 | 90-122      | 0.232 | 20        | QFpas, QMout |
| Nitrate as N                                | 3.53   | 0.20 | 0.11 | mg/L  | 4.52        | ND                                                       | 78.1 | 78-120      | 2.61  | 20        |              |
| <b>Batch 9E12032 - Analyzed as received</b> |        |      |      |       |             |                                                          |      |             |       |           |              |
| <b>Blank (9E12032-BLK1)</b>                 |        |      |      |       |             | Prepared & Analyzed: 05/12/09                            |      |             |       |           |              |
| Total Alkalinity                            | ND     | 3.0  | 1.7  | mg/L  |             |                                                          |      |             |       |           |              |
| Hydroxide                                   | ND     | 3.0  | 1.7  | mg/L  |             |                                                          |      |             |       |           |              |
| Carbonate                                   | ND     | 3.0  | 1.7  | mg/L  |             |                                                          |      |             |       |           |              |
| Bicarbonate                                 | ND     | 3.0  | 1.7  | mg/L  |             |                                                          |      |             |       |           |              |



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Client Name: Tetra Tech, Inc. - San Bernardino  
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Analytical Report: Page 5 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E0598**

Report Date: 18-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Anions - Batch Quality Control**

| Analyte(s)                                  | Result | RDL | MDL  | Units | Spike Level                                             | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Flag |
|---------------------------------------------|--------|-----|------|-------|---------------------------------------------------------|---------------|------|-------------|-------|-----------|------|
| <b>Batch 9E12032 - Analyzed as received</b> |        |     |      |       |                                                         |               |      |             |       |           |      |
| <b>LCS (9E12032-BS1)</b>                    |        |     |      |       | Prepared & Analyzed: 05/12/09                           |               |      |             |       |           |      |
| Total Alkalinity                            | 468    | 3.0 | 1.7  | mg/L  | 472                                                     |               | 99.2 | 95-105      |       |           |      |
| Carbonate                                   | 275    | 3.0 | 1.7  | mg/L  | 272                                                     |               | 101  | 95-105      |       |           |      |
| <b>Duplicate (9E12032-DUP1)</b>             |        |     |      |       | <b>Source: A9E0499-01</b> Prepared & Analyzed: 05/12/09 |               |      |             |       |           |      |
| Total Alkalinity                            | 84.0   | 3.0 | 1.7  | mg/L  |                                                         | 83.0          |      |             | 1.20  | 20        |      |
| Hydroxide                                   | ND     | 3.0 | 1.7  | mg/L  |                                                         | ND            |      |             |       | 20        |      |
| Carbonate                                   | ND     | 3.0 | 1.7  | mg/L  |                                                         | ND            |      |             |       | 20        |      |
| Bicarbonate                                 | 102    | 3.0 | 1.7  | mg/L  |                                                         | 101           |      |             | 0.985 | 20        |      |
| <b>Duplicate (9E12032-DUP2)</b>             |        |     |      |       | <b>Source: A9E0859-07</b> Prepared & Analyzed: 05/12/09 |               |      |             |       |           |      |
| Total Alkalinity                            | 298    | 3.0 | 1.7  | mg/L  |                                                         | 297           |      |             | 0.336 | 20        |      |
| Hydroxide                                   | ND     | 3.0 | 1.7  | mg/L  |                                                         | ND            |      |             |       | 20        |      |
| Carbonate                                   | ND     | 3.0 | 1.7  | mg/L  |                                                         | ND            |      |             |       | 20        |      |
| Bicarbonate                                 | 364    | 3.0 | 1.7  | mg/L  |                                                         | 362           |      |             | 0.551 | 20        |      |
| <b>Batch 9E13012 - Distillation</b>         |        |     |      |       |                                                         |               |      |             |       |           |      |
| <b>Blank (9E13012-BLK1)</b>                 |        |     |      |       | Prepared & Analyzed: 05/13/09                           |               |      |             |       |           |      |
| Fluoride                                    | ND     | 0.1 | 0.05 | mg/L  |                                                         |               |      |             |       |           |      |
| <b>LCS (9E13012-BS1)</b>                    |        |     |      |       | Prepared & Analyzed: 05/13/09                           |               |      |             |       |           |      |
| Fluoride                                    | 0.381  | 0.1 | 0.05 | mg/L  | 0.400                                                   |               | 95.2 | 85-115      |       |           |      |
| <b>Matrix Spike (9E13012-MS1)</b>           |        |     |      |       | <b>Source: A9E0170-02</b> Prepared & Analyzed: 05/13/09 |               |      |             |       |           |      |
| Fluoride                                    | 0.838  | 0.1 | 0.05 | mg/L  | 0.400                                                   | 0.421         | 104  | 75-125      |       |           |      |
| <b>Matrix Spike Dup (9E13012-MSD1)</b>      |        |     |      |       | <b>Source: A9E0170-02</b> Prepared & Analyzed: 05/13/09 |               |      |             |       |           |      |
| Fluoride                                    | 0.762  | 0.1 | 0.05 | mg/L  | 0.400                                                   | 0.421         | 85.2 | 75-125      | 9.50  | 20        |      |



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Analytical Report: Page 6 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E0598**

Report Date: 18-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Aggregate Organic Compounds - Batch Quality Control**

| Analyte(s)                             | Result | RDL  | MDL  | Units | Spike Level                                             | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Flag |
|----------------------------------------|--------|------|------|-------|---------------------------------------------------------|---------------|------|-------------|------|-----------|------|
| <b>Batch 9E11009 - As recieved</b>     |        |      |      |       |                                                         |               |      |             |      |           |      |
| <b>Blank (9E11009-BLK1)</b>            |        |      |      |       | Prepared & Analyzed: 05/11/09                           |               |      |             |      |           |      |
| Total Organic Carbon                   | ND     | 0.70 | 0.16 | mg/L  |                                                         |               |      |             |      |           |      |
| <b>Blank (9E11009-BLK2)</b>            |        |      |      |       | Prepared & Analyzed: 05/11/09                           |               |      |             |      |           |      |
| Total Organic Carbon                   | ND     | 0.70 | 0.16 | mg/L  |                                                         |               |      |             |      |           |      |
| <b>LCS (9E11009-BS1)</b>               |        |      |      |       | Prepared & Analyzed: 05/11/09                           |               |      |             |      |           |      |
| Total Organic Carbon                   | 3.98   | 0.70 | 0.16 | mg/L  | 4.00                                                    |               | 99.4 | 90-110      |      |           |      |
| <b>LCS (9E11009-BS2)</b>               |        |      |      |       | Prepared & Analyzed: 05/11/09                           |               |      |             |      |           |      |
| Total Organic Carbon                   | 4.03   | 0.70 | 0.16 | mg/L  | 4.00                                                    |               | 101  | 90-110      |      |           |      |
| <b>Matrix Spike (9E11009-MS1)</b>      |        |      |      |       | <b>Source: A9E0520-03</b> Prepared & Analyzed: 05/11/09 |               |      |             |      |           |      |
| Total Organic Carbon                   | 10.5   | 0.70 | 0.16 | mg/L  | 4.00                                                    | 6.62          | 98.0 | 80-120      |      |           |      |
| <b>Matrix Spike Dup (9E11009-MSD1)</b> |        |      |      |       | <b>Source: A9E0520-03</b> Prepared & Analyzed: 05/11/09 |               |      |             |      |           |      |
| Total Organic Carbon                   | 10.8   | 0.70 | 0.16 | mg/L  | 4.00                                                    | 6.62          | 103  | 80-120      | 1.97 | 10        |      |



**E.S.BABCOCK**&Sons, Inc.  
Environmental Laboratories *est. 1906*

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San Bernardino, CA 92408-3216

Analytical Report: Page 7 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E0598**

Report Date: 18-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**General Inorganics - Batch Quality Control**

| Analyte(s)                                  | Result | RDL  | MDL  | Units | Spike Level                                             | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Flag |
|---------------------------------------------|--------|------|------|-------|---------------------------------------------------------|---------------|------|-------------|------|-----------|------|
| <b>Batch 9E07054 - Analyzed as received</b> |        |      |      |       |                                                         |               |      |             |      |           |      |
| <b>Blank (9E07054-BLK1)</b>                 |        |      |      |       | Prepared & Analyzed: 05/07/09                           |               |      |             |      |           |      |
| Sulfide                                     | ND     | 0.10 | 0.10 | mg/L  |                                                         |               |      |             |      |           |      |
| <b>Duplicate (9E07054-DUP1)</b>             |        |      |      |       | <b>Source: A9E0598-01</b> Prepared & Analyzed: 05/07/09 |               |      |             |      |           |      |
| Sulfide                                     | 1.60   | 0.10 | 0.10 | mg/L  |                                                         | 1.60          |      |             | 0.00 | 20        |      |



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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 8 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E0598**

Report Date: 18-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Metals and Metalloids - Batch Quality Control**

| Analyte(s)                                | Result | RDL  | MDL   | Units | Spike Level | Source Result                 | %REC | %REC Limits | RPD | RPD Limit | Flag |
|-------------------------------------------|--------|------|-------|-------|-------------|-------------------------------|------|-------------|-----|-----------|------|
| <b>Batch 9E12001 - EPA 200.2 SOP M02C</b> |        |      |       |       |             |                               |      |             |     |           |      |
| <b>Blank (9E12001-BLK1)</b>               |        |      |       |       |             | Prepared & Analyzed: 05/13/09 |      |             |     |           |      |
| Antimony                                  | ND     | 10   | 3.0   | ug/L  |             |                               |      |             |     |           |      |
| Arsenic                                   | ND     | 5.0  | 1.6   | ug/L  |             |                               |      |             |     |           |      |
| Barium                                    | 0.0620 | 20   | 0.056 | ug/L  |             |                               |      |             |     |           | J    |
| Beryllium                                 | ND     | 10   | 0.17  | ug/L  |             |                               |      |             |     |           |      |
| Cadmium                                   | ND     | 2.0  | 0.077 | ug/L  |             |                               |      |             |     |           |      |
| Total Chromium                            | 2.32   | 20   | 0.50  | ug/L  |             |                               |      |             |     |           | J    |
| Cobalt                                    | ND     | 10   | 0.28  | ug/L  |             |                               |      |             |     |           |      |
| Copper                                    | ND     | 10   | 1.9   | ug/L  |             |                               |      |             |     |           |      |
| Lead                                      | 0.0890 | 10   | 0.084 | ug/L  |             |                               |      |             |     |           | J    |
| Mercury                                   | 0.0550 | 0.50 | 0.039 | ug/L  |             |                               |      |             |     |           | J    |
| Molybdenum                                | ND     | 10   | 0.90  | ug/L  |             |                               |      |             |     |           |      |
| Nickel                                    | ND     | 20   | 1.5   | ug/L  |             |                               |      |             |     |           |      |
| Selenium                                  | ND     | 5.0  | 2.5   | ug/L  |             |                               |      |             |     |           |      |
| Silver                                    | ND     | 10   | 5.0   | ug/L  |             |                               |      |             |     |           |      |
| Thallium                                  | ND     | 200  | 0.98  | ug/L  |             |                               |      |             |     |           |      |
| Vanadium                                  | ND     | 10   | 2.7   | ug/L  |             |                               |      |             |     |           |      |
| <b>LCS (9E12001-BS1)</b>                  |        |      |       |       |             | Prepared & Analyzed: 05/13/09 |      |             |     |           |      |
| Antimony                                  | 191    | 10   | 3.0   | ug/L  | 167         |                               | 115  | 85-115      |     |           |      |
| Arsenic                                   | 176    | 5.0  | 1.6   | ug/L  | 167         |                               | 106  | 85-115      |     |           |      |
| Barium                                    | 179    | 20   | 0.056 | ug/L  | 167         |                               | 107  | 85-115      |     |           |      |
| Beryllium                                 | 167    | 10   | 0.17  | ug/L  | 167         |                               | 99.9 | 85-115      |     |           |      |
| Cadmium                                   | 172    | 2.0  | 0.077 | ug/L  | 167         |                               | 103  | 85-115      |     |           |      |
| Total Chromium                            | 176    | 20   | 0.50  | ug/L  | 167         |                               | 105  | 85-115      |     |           |      |
| Cobalt                                    | 174    | 10   | 0.28  | ug/L  | 167         |                               | 105  | 85-115      |     |           |      |
| Copper                                    | 169    | 10   | 1.9   | ug/L  | 167         |                               | 102  | 85-115      |     |           |      |
| Lead                                      | 173    | 10   | 0.084 | ug/L  | 167         |                               | 104  | 85-115      |     |           |      |
| Mercury                                   | 3.41   | 0.50 | 0.039 | ug/L  | 3.32        |                               | 103  | 85-115      |     |           |      |
| Molybdenum                                | 186    | 10   | 0.90  | ug/L  | 167         |                               | 111  | 85-115      |     |           |      |
| Nickel                                    | 176    | 20   | 1.5   | ug/L  | 167         |                               | 105  | 85-115      |     |           |      |
| Selenium                                  | 171    | 5.0  | 2.5   | ug/L  | 167         |                               | 103  | 85-115      |     |           |      |
| Silver                                    | 163    | 10   | 5.0   | ug/L  | 167         |                               | 98.0 | 85-115      |     |           |      |
| Thallium                                  | 174    | 200  | 0.98  | ug/L  | 167         |                               | 104  | 85-115      |     |           | J    |
| Vanadium                                  | 168    | 10   | 2.7   | ug/L  | 167         |                               | 101  | 85-115      |     |           |      |





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Analytical Report: Page 9 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E0598**

Report Date: 18-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Metals and Metalloids - Batch Quality Control**

| Analyte(s)                                | Result | RDL  | MDL   | Units | Spike Level                                      | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Flag  |
|-------------------------------------------|--------|------|-------|-------|--------------------------------------------------|---------------|------|-------------|------|-----------|-------|
| <b>Batch 9E12001 - EPA 200.2 SOP M02C</b> |        |      |       |       |                                                  |               |      |             |      |           |       |
| <b>LCS Dup (9E12001-BSD1)</b>             |        |      |       |       | Prepared & Analyzed: 05/13/09                    |               |      |             |      |           |       |
| Antimony                                  | 198    | 10   | 3.0   | ug/L  | 167                                              |               | 119  | 85-115      | 3.72 | 20        | QLCSD |
| Arsenic                                   | 188    | 5.0  | 1.6   | ug/L  | 167                                              |               | 113  | 85-115      | 6.56 | 20        |       |
| Barium                                    | 186    | 20   | 0.056 | ug/L  | 167                                              |               | 111  | 85-115      | 3.82 | 20        |       |
| Beryllium                                 | 179    | 10   | 0.17  | ug/L  | 167                                              |               | 107  | 85-115      | 6.93 | 20        |       |
| Cadmium                                   | 177    | 2.0  | 0.077 | ug/L  | 167                                              |               | 106  | 85-115      | 3.28 | 20        |       |
| Total Chromium                            | 189    | 20   | 0.50  | ug/L  | 167                                              |               | 113  | 85-115      | 7.13 | 20        |       |
| Cobalt                                    | 188    | 10   | 0.28  | ug/L  | 167                                              |               | 113  | 85-115      | 7.27 | 20        |       |
| Copper                                    | 183    | 10   | 1.9   | ug/L  | 167                                              |               | 110  | 85-115      | 7.92 | 20        |       |
| Lead                                      | 180    | 10   | 0.084 | ug/L  | 167                                              |               | 108  | 85-115      | 4.09 | 20        |       |
| Mercury                                   | 3.60   | 0.50 | 0.039 | ug/L  | 3.32                                             |               | 108  | 85-115      | 5.53 | 20        |       |
| Molybdenum                                | 189    | 10   | 0.90  | ug/L  | 167                                              |               | 113  | 85-115      | 1.74 | 20        |       |
| Nickel                                    | 192    | 20   | 1.5   | ug/L  | 167                                              |               | 115  | 85-115      | 8.74 | 20        |       |
| Selenium                                  | 184    | 5.0  | 2.5   | ug/L  | 167                                              |               | 111  | 85-115      | 7.49 | 20        |       |
| Silver                                    | 167    | 10   | 5.0   | ug/L  | 167                                              |               | 99.9 | 85-115      | 1.94 | 20        |       |
| Thallium                                  | 182    | 200  | 0.98  | ug/L  | 167                                              |               | 109  | 85-115      | 4.32 | 20        | J     |
| Vanadium                                  | 185    | 10   | 2.7   | ug/L  | 167                                              |               | 111  | 85-115      | 9.55 | 20        |       |
| <b>Matrix Spike (9E12001-MS1)</b>         |        |      |       |       | Source: A9E0833-01 Prepared & Analyzed: 05/13/09 |               |      |             |      |           |       |
| Antimony                                  | 194    | 10   | 3.0   | ug/L  | 167                                              | ND            | 116  | 70-130      |      |           |       |
| Arsenic                                   | 180    | 5.0  | 1.6   | ug/L  | 167                                              | ND            | 108  | 70-130      |      |           |       |
| Barium                                    | 190    | 20   | 0.056 | ug/L  | 167                                              | 9.43          | 108  | 70-130      |      |           |       |
| Beryllium                                 | 166    | 10   | 0.17  | ug/L  | 167                                              | ND            | 99.3 | 70-130      |      |           |       |
| Cadmium                                   | 172    | 2.0  | 0.077 | ug/L  | 167                                              | ND            | 103  | 70-130      |      |           |       |
| Total Chromium                            | 177    | 20   | 0.50  | ug/L  | 167                                              | ND            | 106  | 70-130      |      |           |       |
| Cobalt                                    | 176    | 10   | 0.28  | ug/L  | 167                                              | ND            | 106  | 70-130      |      |           |       |
| Copper                                    | 174    | 10   | 1.9   | ug/L  | 167                                              | ND            | 104  | 70-130      |      |           |       |
| Lead                                      | 172    | 10   | 0.084 | ug/L  | 167                                              | 0.106         | 103  | 70-130      |      |           |       |
| Mercury                                   | 3.47   | 0.50 | 0.039 | ug/L  | 3.32                                             | ND            | 104  | 70-130      |      |           |       |
| Molybdenum                                | 189    | 10   | 0.90  | ug/L  | 167                                              | 2.30          | 112  | 70-130      |      |           |       |
| Nickel                                    | 177    | 20   | 1.5   | ug/L  | 167                                              | ND            | 106  | 70-130      |      |           |       |
| Selenium                                  | 177    | 5.0  | 2.5   | ug/L  | 167                                              | ND            | 106  | 70-130      |      |           |       |
| Silver                                    | 162    | 10   | 5.0   | ug/L  | 167                                              | ND            | 97.4 | 70-130      |      |           |       |
| Thallium                                  | 175    | 200  | 0.98  | ug/L  | 167                                              | ND            | 105  | 70-130      |      |           | J     |
| Vanadium                                  | 178    | 10   | 2.7   | ug/L  | 167                                              | ND            | 107  | 70-130      |      |           |       |



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Analytical Report: Page 10 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E0598**

Report Date: 18-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Metals and Metalloids - Batch Quality Control**

| Analyte(s)                                | Result | RDL                                      | MDL   | Units | Spike Level                              | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|-------------------------------------------|--------|------------------------------------------|-------|-------|------------------------------------------|---------------|------|-------------|-----|-----------|------|
| <b>Batch 9E12001 - EPA 200.2 SOP M02C</b> |        |                                          |       |       |                                          |               |      |             |     |           |      |
| <b>Matrix Spike (9E12001-MS2)</b>         |        | <b>Source: A9E0955-02</b>                |       |       | <b>Prepared &amp; Analyzed: 05/13/09</b> |               |      |             |     |           |      |
| Antimony                                  | 195    | 10                                       | 3.0   | ug/L  | 167                                      | ND            | 117  | 70-130      |     |           |      |
| Arsenic                                   | 191    | 5.0                                      | 1.6   | ug/L  | 167                                      | ND            | 114  | 70-130      |     |           |      |
| Barium                                    | 233    | 20                                       | 0.056 | ug/L  | 167                                      | 50.7          | 109  | 70-130      |     |           |      |
| Beryllium                                 | 147    | 10                                       | 0.17  | ug/L  | 167                                      | ND            | 88.0 | 70-130      |     |           |      |
| Cadmium                                   | 164    | 2.0                                      | 0.077 | ug/L  | 167                                      | 2.98          | 96.4 | 70-130      |     |           |      |
| Total Chromium                            | 189    | 20                                       | 0.50  | ug/L  | 167                                      | 11.3          | 107  | 70-130      |     |           |      |
| Cobalt                                    | 181    | 10                                       | 0.28  | ug/L  | 167                                      | 2.48          | 107  | 70-130      |     |           |      |
| Copper                                    | 177    | 10                                       | 1.9   | ug/L  | 167                                      | 10.5          | 99.9 | 70-130      |     |           |      |
| Lead                                      | 164    | 10                                       | 0.084 | ug/L  | 167                                      | ND            | 98.1 | 70-130      |     |           |      |
| Mercury                                   | 3.16   | 0.50                                     | 0.039 | ug/L  | 3.32                                     | ND            | 94.9 | 70-130      |     |           |      |
| Molybdenum                                | 193    | 10                                       | 0.90  | ug/L  | 167                                      | 5.80          | 112  | 70-130      |     |           |      |
| Nickel                                    | 207    | 20                                       | 1.5   | ug/L  | 167                                      | 33.9          | 104  | 70-130      |     |           |      |
| Selenium                                  | 210    | 5.0                                      | 2.5   | ug/L  | 167                                      | 3.88          | 123  | 70-130      |     |           |      |
| Silver                                    | 146    | 10                                       | 5.0   | ug/L  | 167                                      | ND            | 87.8 | 70-130      |     |           |      |
| Thallium                                  | 168    | 200                                      | 0.98  | ug/L  | 167                                      | ND            | 101  | 70-130      |     |           | J    |
| Vanadium                                  | 181    | 10                                       | 2.7   | ug/L  | 167                                      | 3.48          | 107  | 70-130      |     |           |      |
| <b>Batch 9E12002 - EPA 200.2 SOP M02C</b> |        |                                          |       |       |                                          |               |      |             |     |           |      |
| <b>Blank (9E12002-BLK1)</b>               |        | <b>Prepared &amp; Analyzed: 05/13/09</b> |       |       |                                          |               |      |             |     |           |      |
| Antimony                                  | ND     | 10                                       | 3.0   | ug/L  |                                          |               |      |             |     |           |      |
| Arsenic                                   | ND     | 5.0                                      | 1.6   | ug/L  |                                          |               |      |             |     |           |      |
| Barium                                    | ND     | 20                                       | 0.056 | ug/L  |                                          |               |      |             |     |           |      |
| Beryllium                                 | ND     | 10                                       | 0.17  | ug/L  |                                          |               |      |             |     |           |      |
| Cadmium                                   | ND     | 2.0                                      | 0.077 | ug/L  |                                          |               |      |             |     |           |      |
| Total Chromium                            | ND     | 20                                       | 0.50  | ug/L  |                                          |               |      |             |     |           |      |
| Cobalt                                    | ND     | 10                                       | 0.28  | ug/L  |                                          |               |      |             |     |           |      |
| Copper                                    | ND     | 10                                       | 1.9   | ug/L  |                                          |               |      |             |     |           |      |
| Lead                                      | ND     | 10                                       | 0.084 | ug/L  |                                          |               |      |             |     |           |      |
| Mercury                                   | ND     | 0.50                                     | 0.039 | ug/L  |                                          |               |      |             |     |           |      |
| Molybdenum                                | ND     | 10                                       | 0.90  | ug/L  |                                          |               |      |             |     |           |      |
| Nickel                                    | ND     | 20                                       | 1.5   | ug/L  |                                          |               |      |             |     |           |      |
| Selenium                                  | ND     | 5.0                                      | 2.5   | ug/L  |                                          |               |      |             |     |           |      |
| Silver                                    | ND     | 10                                       | 5.0   | ug/L  |                                          |               |      |             |     |           |      |
| Thallium                                  | ND     | 200                                      | 0.98  | ug/L  |                                          |               |      |             |     |           |      |
| Vanadium                                  | ND     | 10                                       | 2.7   | ug/L  |                                          |               |      |             |     |           |      |
| Zinc                                      | ND     | 10                                       | 1.4   | ug/L  |                                          |               |      |             |     |           |      |



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Analytical Report: Page 11 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E0598**

Report Date: 18-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Metals and Metalloids - Batch Quality Control**

| Analyte(s)                                | Result | RDL  | MDL   | Units | Spike Level | Source Result                 | %REC | %REC Limits | RPD | RPD Limit | Flag     |
|-------------------------------------------|--------|------|-------|-------|-------------|-------------------------------|------|-------------|-----|-----------|----------|
| <b>Batch 9E12002 - EPA 200.2 SOP M02C</b> |        |      |       |       |             |                               |      |             |     |           |          |
| <b>Blank (9E12002-BLK2)</b>               |        |      |       |       |             | Prepared & Analyzed: 05/13/09 |      |             |     |           |          |
| Antimony                                  | ND     | 10   | 3.0   | ug/L  |             |                               |      |             |     |           | QBfil    |
| Arsenic                                   | ND     | 5.0  | 1.6   | ug/L  |             |                               |      |             |     |           | QBfil    |
| Barium                                    | ND     | 20   | 0.056 | ug/L  |             |                               |      |             |     |           | QBfil    |
| Beryllium                                 | ND     | 10   | 0.17  | ug/L  |             |                               |      |             |     |           | QBfil    |
| Cadmium                                   | ND     | 2.0  | 0.077 | ug/L  |             |                               |      |             |     |           | QBfil    |
| Total Chromium                            | ND     | 20   | 0.50  | ug/L  |             |                               |      |             |     |           | QBfil    |
| Cobalt                                    | ND     | 10   | 0.28  | ug/L  |             |                               |      |             |     |           | QBfil    |
| Copper                                    | ND     | 10   | 1.9   | ug/L  |             |                               |      |             |     |           | QBfil    |
| Lead                                      | ND     | 10   | 0.084 | ug/L  |             |                               |      |             |     |           | QBfil    |
| Mercury                                   | ND     | 0.50 | 0.039 | ug/L  |             |                               |      |             |     |           | QBfil    |
| Molybdenum                                | ND     | 10   | 0.90  | ug/L  |             |                               |      |             |     |           | QBfil    |
| Nickel                                    | ND     | 20   | 1.5   | ug/L  |             |                               |      |             |     |           | QBfil    |
| Selenium                                  | ND     | 5.0  | 2.5   | ug/L  |             |                               |      |             |     |           | QBfil    |
| Silver                                    | ND     | 10   | 5.0   | ug/L  |             |                               |      |             |     |           | QBfil    |
| Thallium                                  | ND     | 200  | 0.98  | ug/L  |             |                               |      |             |     |           | QBfil    |
| Vanadium                                  | ND     | 10   | 2.7   | ug/L  |             |                               |      |             |     |           | QBfil    |
| Zinc                                      | 1.52   | 10   | 1.4   | ug/L  |             |                               |      |             |     |           | QBfil, J |
| <b>LCS (9E12002-BS1)</b>                  |        |      |       |       |             | Prepared & Analyzed: 05/13/09 |      |             |     |           |          |
| Antimony                                  | 137    | 10   | 3.0   | ug/L  | 125         |                               | 109  | 85-115      |     |           |          |
| Arsenic                                   | 126    | 5.0  | 1.6   | ug/L  | 125         |                               | 101  | 85-115      |     |           |          |
| Barium                                    | 131    | 20   | 0.056 | ug/L  | 125         |                               | 105  | 85-115      |     |           |          |
| Beryllium                                 | 128    | 10   | 0.17  | ug/L  | 125         |                               | 103  | 85-115      |     |           |          |
| Cadmium                                   | 126    | 2.0  | 0.077 | ug/L  | 125         |                               | 101  | 85-115      |     |           |          |
| Total Chromium                            | 125    | 20   | 0.50  | ug/L  | 125         |                               | 99.8 | 85-115      |     |           |          |
| Cobalt                                    | 131    | 10   | 0.28  | ug/L  | 125         |                               | 105  | 85-115      |     |           |          |
| Copper                                    | 120    | 10   | 1.9   | ug/L  | 125         |                               | 95.8 | 85-115      |     |           |          |
| Lead                                      | 129    | 10   | 0.084 | ug/L  | 125         |                               | 103  | 85-115      |     |           |          |
| Mercury                                   | 12.3   | 0.50 | 0.039 | ug/L  | 12.5        |                               | 98.5 | 85-115      |     |           |          |
| Molybdenum                                | 134    | 10   | 0.90  | ug/L  | 125         |                               | 107  | 85-115      |     |           |          |
| Nickel                                    | 126    | 20   | 1.5   | ug/L  | 125         |                               | 101  | 85-115      |     |           |          |
| Selenium                                  | 126    | 5.0  | 2.5   | ug/L  | 125         |                               | 101  | 85-115      |     |           |          |
| Silver                                    | 122    | 10   | 5.0   | ug/L  | 125         |                               | 97.4 | 85-115      |     |           |          |
| Thallium                                  | 124    | 200  | 0.98  | ug/L  | 125         |                               | 99.5 | 85-115      |     |           | J        |
| Vanadium                                  | 121    | 10   | 2.7   | ug/L  | 125         |                               | 96.5 | 85-115      |     |           |          |
| Zinc                                      | 123    | 10   | 1.4   | ug/L  | 125         |                               | 98.1 | 85-115      |     |           |          |



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Analytical Report: Page 12 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E0598**

Report Date: 18-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Metals and Metalloids - Batch Quality Control**

| Analyte(s)                                | Result | RDL  | MDL   | Units | Spike Level                                      | Source Result | %REC | %REC Limits | RPD    | RPD Limit | Flag |
|-------------------------------------------|--------|------|-------|-------|--------------------------------------------------|---------------|------|-------------|--------|-----------|------|
| <b>Batch 9E12002 - EPA 200.2 SOP M02C</b> |        |      |       |       |                                                  |               |      |             |        |           |      |
| <b>LCS Dup (9E12002-BSD1)</b>             |        |      |       |       | Prepared & Analyzed: 05/13/09                    |               |      |             |        |           |      |
| Antimony                                  | 136    | 10   | 3.0   | ug/L  | 125                                              |               | 109  | 85-115      | 0.259  | 20        |      |
| Arsenic                                   | 126    | 5.0  | 1.6   | ug/L  | 125                                              |               | 101  | 85-115      | 0.455  | 20        |      |
| Barium                                    | 128    | 20   | 0.056 | ug/L  | 125                                              |               | 102  | 85-115      | 2.61   | 20        |      |
| Beryllium                                 | 126    | 10   | 0.17  | ug/L  | 125                                              |               | 101  | 85-115      | 1.73   | 20        |      |
| Cadmium                                   | 126    | 2.0  | 0.077 | ug/L  | 125                                              |               | 101  | 85-115      | 0.265  | 20        |      |
| Total Chromium                            | 124    | 20   | 0.50  | ug/L  | 125                                              |               | 99.0 | 85-115      | 0.815  | 20        |      |
| Cobalt                                    | 123    | 10   | 0.28  | ug/L  | 125                                              |               | 98.2 | 85-115      | 6.25   | 20        |      |
| Copper                                    | 120    | 10   | 1.9   | ug/L  | 125                                              |               | 96.1 | 85-115      | 0.365  | 20        |      |
| Lead                                      | 125    | 10   | 0.084 | ug/L  | 125                                              |               | 99.7 | 85-115      | 3.58   | 20        |      |
| Mercury                                   | 12.3   | 0.50 | 0.039 | ug/L  | 12.5                                             |               | 98.4 | 85-115      | 0.0569 | 20        |      |
| Molybdenum                                | 129    | 10   | 0.90  | ug/L  | 125                                              |               | 103  | 85-115      | 3.53   | 20        |      |
| Nickel                                    | 123    | 20   | 1.5   | ug/L  | 125                                              |               | 98.3 | 85-115      | 2.35   | 20        |      |
| Selenium                                  | 128    | 5.0  | 2.5   | ug/L  | 125                                              |               | 103  | 85-115      | 1.59   | 20        |      |
| Silver                                    | 121    | 10   | 5.0   | ug/L  | 125                                              |               | 97.1 | 85-115      | 0.262  | 20        |      |
| Thallium                                  | 122    | 200  | 0.98  | ug/L  | 125                                              |               | 97.9 | 85-115      | 1.58   | 20        | J    |
| Vanadium                                  | 119    | 10   | 2.7   | ug/L  | 125                                              |               | 94.9 | 85-115      | 1.69   | 20        |      |
| Zinc                                      | 124    | 10   | 1.4   | ug/L  | 125                                              |               | 99.1 | 85-115      | 1.04   | 20        |      |
| <b>Matrix Spike (9E12002-MS1)</b>         |        |      |       |       | Source: A9E0598-02 Prepared & Analyzed: 05/13/09 |               |      |             |        |           |      |
| Antimony                                  | 144    | 10   | 3.0   | ug/L  | 125                                              | ND            | 115  | 70-130      |        |           |      |
| Arsenic                                   | 137    | 5.0  | 1.6   | ug/L  | 125                                              | 1.75          | 108  | 70-130      |        |           |      |
| Barium                                    | 219    | 20   | 0.056 | ug/L  | 125                                              | 67.9          | 121  | 70-130      |        |           |      |
| Beryllium                                 | 134    | 10   | 0.17  | ug/L  | 125                                              | ND            | 107  | 70-130      |        |           |      |
| Cadmium                                   | 133    | 2.0  | 0.077 | ug/L  | 125                                              | ND            | 107  | 70-130      |        |           |      |
| Total Chromium                            | 130    | 20   | 0.50  | ug/L  | 125                                              | ND            | 104  | 70-130      |        |           |      |
| Cobalt                                    | 141    | 10   | 0.28  | ug/L  | 125                                              | 0.953         | 112  | 70-130      |        |           |      |
| Copper                                    | 137    | 10   | 1.9   | ug/L  | 125                                              | ND            | 110  | 70-130      |        |           |      |
| Lead                                      | 137    | 10   | 0.084 | ug/L  | 125                                              | 0.111         | 110  | 70-130      |        |           |      |
| Mercury                                   | 13.6   | 0.50 | 0.039 | ug/L  | 12.5                                             | ND            | 109  | 70-130      |        |           |      |
| Molybdenum                                | 176    | 10   | 0.90  | ug/L  | 125                                              | 31.8          | 115  | 70-130      |        |           |      |
| Nickel                                    | 135    | 20   | 1.5   | ug/L  | 125                                              | 2.03          | 106  | 70-130      |        |           |      |
| Selenium                                  | 143    | 5.0  | 2.5   | ug/L  | 125                                              | ND            | 114  | 70-130      |        |           |      |
| Silver                                    | 127    | 10   | 5.0   | ug/L  | 125                                              | ND            | 101  | 70-130      |        |           |      |
| Thallium                                  | 135    | 200  | 0.98  | ug/L  | 125                                              | ND            | 108  | 70-130      |        |           | J    |
| Vanadium                                  | 137    | 10   | 2.7   | ug/L  | 125                                              | ND            | 109  | 70-130      |        |           |      |
| Zinc                                      | 142    | 10   | 1.4   | ug/L  | 125                                              | ND            | 114  | 70-130      |        |           |      |



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Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 13 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E0598**

Report Date: 18-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

**Metals and Metalloids - Batch Quality Control**

| Analyte(s)                                | Result | RDL | MDL | Units | Spike Level | Source Result                                                     | %REC | %REC Limits | RPD  | RPD Limit | Flag |
|-------------------------------------------|--------|-----|-----|-------|-------------|-------------------------------------------------------------------|------|-------------|------|-----------|------|
| <b>Batch 9E14028 - EPA 200.2 SOP M02C</b> |        |     |     |       |             |                                                                   |      |             |      |           |      |
| <b>Blank (9E14028-BLK1)</b>               |        |     |     |       |             | Prepared: 05/14/09 Analyzed: 05/15/09                             |      |             |      |           |      |
| Zinc                                      | 3.45   | 10  | 1.4 | ug/L  |             |                                                                   |      |             |      |           | J    |
| <b>LCS (9E14028-BS1)</b>                  |        |     |     |       |             | Prepared: 05/14/09 Analyzed: 05/15/09                             |      |             |      |           |      |
| Zinc                                      | 168    | 10  | 1.4 | ug/L  | 167         |                                                                   | 101  | 85-115      |      |           |      |
| <b>LCS Dup (9E14028-BSD1)</b>             |        |     |     |       |             | Prepared: 05/14/09 Analyzed: 05/15/09                             |      |             |      |           |      |
| Zinc                                      | 175    | 10  | 1.4 | ug/L  | 167         |                                                                   | 105  | 85-115      | 3.80 | 20        |      |
| <b>Matrix Spike (9E14028-MS1)</b>         |        |     |     |       |             | <b>Source: A9E0955-02RE</b> Prepared: 05/14/09 Analyzed: 05/15/09 |      |             |      |           |      |
| Zinc                                      | 174    | 10  | 1.4 | ug/L  | 167         | 17.7                                                              | 93.5 | 70-130      |      |           |      |



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San Bernardino, CA 92408-3216

Analytical Report: Page 14 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E0598**

Report Date: 18-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

## Notes and Definitions

J Estimated value

QBfil Method blank was filtered prior to processing.

QFpas Follow-up result within laboratory acceptance criteria.

QLCSD Batch acceptance based on LCS recovery. The LCSD did not meet laboratory acceptance criteria.

QMout MS and/or MSD recovery did not meet laboratory acceptance criteria.

QOcal The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.

ND: Analyte NOT DETECTED at or above the Method Detection Limit (**if MDL is reported**), otherwise at or above the Reportable Detection Limit (RDL)

NR: Not Reported

RDL: Reportable Detection Limit

MDL: Method Detection Limit

\* / (Non-NELAP): NELAP does not offer accreditation for this analyte/method/matrix combination

---

## Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

*Lawrence J. Chrystal*

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Lawrence J. Chrystal

Laboratory Director

cc:

ESB\_md1\_PDF Report

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CA ELAP no. 2698  
EPA no. CA00102



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Client Name: Tetra Tech, Inc. - San Bernardino  
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San Bernardino, CA 92408-3216

Analytical Report: Page 15 of 15  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

Work Order Number: A9E0598

Report Date: 18-May-2009

Received on Ice (Y/N): Yes Temp: 15 °C

# CHAIN OF CUSTODY RECORD

SHIP TO: E.S. Babcock & Sons  
6000 Quail Valley Ct  
Riverside, CA 92507  
551-653-3351

TETRA TECH, INC.  
348 W. Hospitality Lane, Suite 100  
San Bernardino, California 92408  
Telephone: (909) 381-1674  
FAX: (909) 889-1381



DATE: 05/06/2009 PAGE 1 OF 1  
stand TAT per CSI/08

| CLIENT: Tetra Tech                 |               |            | PARAMETERS |             |                             |                      | TURN-AROUND TIME               |                                           |
|------------------------------------|---------------|------------|------------|-------------|-----------------------------|----------------------|--------------------------------|-------------------------------------------|
| PROJECT NAME: LUC Reservoir Site 2 |               |            |            |             |                             |                      | 24 hr Rush                     |                                           |
| PROJECT MANAGER: Tom Villeneuve    |               |            |            |             |                             |                      |                                |                                           |
| TO #: 2289-09018                   |               |            |            |             |                             |                      |                                |                                           |
| SAMPLERS (Signatures)              |               |            |            |             |                             |                      | OBSERVATIONS/COMMENTS          |                                           |
| LINE                               | SAMPLE NO.    | DATE       | TIME       | MATRIX TYPE | CONTAINER TYPE              | NUMBER OF CONTAINERS | PRESERVATIVE                   |                                           |
| 1.                                 | IDW1 - 050609 | 05/06/2009 | 1200       | S           | G - Glass Bottle/Jar        | 1                    | HCL                            | H = hold                                  |
| 2.                                 | IDW2 - 050609 | 05/06/2009 | 1337       | M           | SS - Stainless Steel Sleeve | 1                    | NaOH                           | TS (IDW) = ND                             |
| 3.                                 |               |            |            | W           | P - Plastic Bottle/Jar      | 1                    | H <sub>2</sub> SO <sub>4</sub> | in IDW1-050609, then run other parameters |
| 4.                                 |               |            |            |             |                             |                      |                                |                                           |
| 5.                                 |               |            |            |             |                             |                      |                                |                                           |
| 6.                                 |               |            |            |             |                             |                      |                                |                                           |
| 7.                                 |               |            |            |             |                             |                      |                                |                                           |
| 8.                                 |               |            |            |             |                             |                      |                                |                                           |
| 9.                                 |               |            |            |             |                             |                      |                                |                                           |
| 10.                                |               |            |            |             |                             |                      |                                |                                           |

| RELINQUISHED BY  |            | RECEIVED BY |            | RELINQUISHED BY |      | RECEIVED BY |      |
|------------------|------------|-------------|------------|-----------------|------|-------------|------|
| SIGNATURE        | DATE       | SIGNATURE   | DATE       | SIGNATURE       | DATE | SIGNATURE   | DATE |
| David Battalacci | 05/06/2009 | Araceli     | 05/06/2009 |                 |      |             |      |
|                  |            |             |            |                 |      |             |      |
|                  |            |             |            |                 |      |             |      |
|                  |            |             |            |                 |      |             |      |

| PRESERVATIVES: (Water Only) |      | TOTAL NUMBER OF CONTAINERS ON THIS CHAIN OF CUSTODY: |                                                 |
|-----------------------------|------|------------------------------------------------------|-------------------------------------------------|
| HCL                         | NaOH | NR                                                   | Method of Shipment/Storage Requirements:        |
|                             |      | 9                                                    | drop-off                                        |
|                             |      |                                                      | Special Shipping/Handling/Storage Requirements: |
|                             |      |                                                      | 15°C                                            |

DISTRIBUTION: White and Pink = Tetra Tech, Inc. Canary = Laboratory  
A9E0598A6 MAY - 7 2009





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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 1 of 17  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1093**

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 18 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

### Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u>                       | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u>        | <u>Date Submitted</u> | <u>By</u>        |
|---------------------|-----------------------------------------------|---------------|---------------------|------------------|-----------------------|------------------|
| A9E1093-01          | IDW1 - 051309 LMC Beaumont Site 2             | Liquid        | 05/13/09 13:05      | David Bertolacci | 05/13/09 14:10        | David Bertolacci |
| A9E1093-02          | IDW2 - 051309 LMC Beaumont Site 2             | Liquid        | 05/13/09 13:20      | David Bertolacci | 05/13/09 14:10        | David Bertolacci |
| A9E1093-03          | IDW2 - 051309 (Dissolved) LMC Beaumont Site 2 | Liquid        | 05/13/09 13:20      | David Bertolacci | 05/13/09 14:10        | David Bertolacci |





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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 2 of 17  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1093**

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 18 °C

Laboratory Reference Number

**A9E1093-01**

| <u>Sample Description</u>         | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
|-----------------------------------|---------------|--------------------------|---------------------------|
| IDW1 - 051309 LMC Beaumont Site 2 | Liquid        | 05/13/09 13:05           | 05/13/09 14:10            |

| Analyte(s)                 | Result | RDL  | MDL   | Units | Method     | Analysis Date  | Analyst | Flag |
|----------------------------|--------|------|-------|-------|------------|----------------|---------|------|
| Anions                     |        |      |       |       |            |                |         |      |
| Sulfate                    | 38     | 0.50 | 0.37  | mg/L  | EPA 300.0  | 05/14/09 03:37 | ss      |      |
| Nitrate as N               | ND     | 0.20 | 0.11  | mg/L  | EPA 300.0  | 05/14/09 03:37 | ss      |      |
| Nutrients                  |        |      |       |       |            |                |         |      |
| Ortho Phosphate Phosphorus | 2.2    | 0.50 | 0.028 | mg/L  | SM 4500P E | 05/14/09 12:32 | jma     |      |



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Client Name: Tetra Tech, Inc. - San Bernardino  
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San Bernardino, CA 92408-3216

Analytical Report: Page 3 of 17  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1093**

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 18 °C

Laboratory Reference Number  
**A9E1093-02**

|                                   |               |                          |                           |
|-----------------------------------|---------------|--------------------------|---------------------------|
| <u>Sample Description</u>         | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
| IDW2 - 051309 LMC Beaumont Site 2 | Liquid        | 05/13/09 13:20           | 05/13/09 14:10            |

| Analyte(s)                  | Result | RDL   | MDL    | Units | Method      | Analysis Date  | Analyst | Flag |
|-----------------------------|--------|-------|--------|-------|-------------|----------------|---------|------|
| Anions                      |        |       |        |       |             |                |         |      |
| Sulfate                     | 31     | 0.50  | 0.37   | mg/L  | EPA 300.0   | 05/14/09 03:44 | ss      |      |
| Nitrate as N                | ND     | 0.20  | 0.11   | mg/L  | EPA 300.0   | 05/14/09 03:44 | ss      |      |
| Aggregate Organic Compounds |        |       |        |       |             |                |         |      |
| Total Organic Carbon        | 110    | 3.5   | 0.82   | mg/L  | SM 5310B    | 05/20/09 08:14 | krv     |      |
| General Inorganics          |        |       |        |       |             |                |         |      |
| Sulfide                     | 1.5    | 0.10  | 0.10   | mg/L  | SM 4500S2 D | 05/13/09 22:09 | swc     |      |
| Nutrients                   |        |       |        |       |             |                |         |      |
| Ortho Phosphate Phosphorus  | ND     | 0.050 | 0.0028 | mg/L  | SM 4500P E  | 05/14/09 12:32 | jma     |      |
| Metals and Metalloids       |        |       |        |       |             |                |         |      |
| Antimony                    | ND     | 10    | 3.0    | ug/L  | EPA 200.8   | 05/20/09 16:40 | krv     |      |
| Arsenic                     | 5.1    | 5.0   | 1.6    | ug/L  | EPA 200.8   | 05/20/09 16:40 | krv     |      |
| Barium                      | 69     | 20    | 0.056  | ug/L  | EPA 200.8   | 05/20/09 16:40 | krv     |      |
| Beryllium                   | ND     | 10    | 0.17   | ug/L  | EPA 200.8   | 05/20/09 16:40 | krv     |      |
| Cadmium                     | 0.093  | 2.0   | 0.077  | ug/L  | EPA 200.8   | 05/20/09 16:40 | krv     | J    |
| Total Chromium              | ND     | 20    | 0.50   | ug/L  | EPA 200.8   | 05/20/09 16:40 | krv     |      |
| Cobalt                      | ND     | 10    | 0.28   | ug/L  | EPA 200.8   | 05/20/09 16:40 | krv     |      |
| Copper                      | ND     | 10    | 1.9    | ug/L  | EPA 200.8   | 05/20/09 16:40 | krv     |      |
| Lead                        | 0.21   | 10    | 0.084  | ug/L  | EPA 200.8   | 05/20/09 16:40 | krv     | J    |
| Mercury                     | ND     | 0.50  | 0.039  | ug/L  | EPA 200.8   | 05/20/09 16:40 | krv     |      |
| Molybdenum                  | 63     | 10    | 0.90   | ug/L  | EPA 200.8   | 05/20/09 16:40 | krv     |      |
| Nickel                      | 2.5    | 20    | 1.5    | ug/L  | EPA 200.8   | 05/20/09 16:40 | krv     | J    |
| Selenium                    | 7.5    | 5.0   | 2.5    | ug/L  | EPA 200.8   | 05/21/09 15:40 | ap      |      |
| Silver                      | ND     | 10    | 5.0    | ug/L  | EPA 200.8   | 05/20/09 16:40 | krv     |      |
| Thallium                    | ND     | 200   | 0.98   | ug/L  | EPA 200.8   | 05/20/09 16:40 | krv     |      |
| Vanadium                    | 4.5    | 10    | 2.7    | ug/L  | EPA 200.8   | 05/20/09 16:40 | krv     | J    |
| Zinc                        | 13     | 10    | 1.4    | ug/L  | EPA 200.8   | 05/20/09 16:40 | krv     |      |



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San Bernardino, CA 92408-3216

Analytical Report: Page 4 of 17  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1093**

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 18 °C

Laboratory Reference Number

**A9E1093-03**

| <u>Sample Description</u>                     | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
|-----------------------------------------------|---------------|--------------------------|---------------------------|
| IDW2 - 051309 (Dissolved) LMC Beaumont Site 2 | Liquid        | 05/13/09 13:20           | 05/13/09 14:10            |

| Analyte(s)            | Result | RDL  | MDL   | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------|--------|------|-------|-------|-----------|----------------|---------|------|
| Metals and Metalloids |        |      |       |       |           |                |         |      |
| Antimony              | ND     | 10   | 3.0   | ug/L  | EPA 200.8 | 05/15/09 17:03 | ap      |      |
| Arsenic               | 2.3    | 5.0  | 1.6   | ug/L  | EPA 200.8 | 05/18/09 13:12 | ap      | J    |
| Barium                | 69     | 20   | 0.056 | ug/L  | EPA 200.8 | 05/15/09 17:03 | ap      |      |
| Beryllium             | ND     | 10   | 0.17  | ug/L  | EPA 200.8 | 05/15/09 17:03 | ap      |      |
| Cadmium               | ND     | 2.0  | 0.077 | ug/L  | EPA 200.8 | 05/15/09 17:03 | ap      |      |
| Total Chromium        | 8.1    | 20   | 0.50  | ug/L  | EPA 200.8 | 05/15/09 17:03 | ap      | J    |
| Cobalt                | ND     | 10   | 0.28  | ug/L  | EPA 200.8 | 05/15/09 17:03 | ap      |      |
| Copper                | ND     | 10   | 1.9   | ug/L  | EPA 200.8 | 05/15/09 17:03 | ap      |      |
| Lead                  | ND     | 10   | 0.084 | ug/L  | EPA 200.8 | 05/15/09 17:03 | ap      |      |
| Mercury               | 0.26   | 0.50 | 0.039 | ug/L  | EPA 200.8 | 05/15/09 17:03 | ap      | J    |
| Molybdenum            | 31     | 10   | 0.90  | ug/L  | EPA 200.8 | 05/15/09 17:03 | ap      |      |
| Nickel                | ND     | 20   | 1.5   | ug/L  | EPA 200.8 | 05/15/09 17:03 | ap      |      |
| Selenium              | 11     | 5.0  | 2.5   | ug/L  | EPA 200.8 | 05/21/09 15:26 | ap      | A-01 |
| Silver                | ND     | 10   | 5.0   | ug/L  | EPA 200.8 | 05/15/09 17:03 | ap      |      |
| Thallium              | ND     | 200  | 0.98  | ug/L  | EPA 200.8 | 05/15/09 17:03 | ap      |      |
| Vanadium              | ND     | 10   | 2.7   | ug/L  | EPA 200.8 | 05/18/09 13:12 | ap      |      |
| Zinc                  | 20     | 10   | 1.4   | ug/L  | EPA 200.8 | 05/15/09 17:03 | ap      |      |



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Analytical Report: Page 5 of 17  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1093**

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 18 °C

**Anions - Batch Quality Control**

| Analyte(s)                                  | Result | RDL  | MDL  | Units | Spike Level | Source Result                                            | %REC | %REC Limits | RPD  | RPD Limit | Flag |
|---------------------------------------------|--------|------|------|-------|-------------|----------------------------------------------------------|------|-------------|------|-----------|------|
| <b>Batch 9E13052 - Analyzed as received</b> |        |      |      |       |             |                                                          |      |             |      |           |      |
| <b>Blank (9E13052-BLK1)</b>                 |        |      |      |       |             | Prepared: 05/13/09 Analyzed: 05/14/09                    |      |             |      |           |      |
| Sulfate                                     | ND     | 0.50 | 0.37 | mg/L  |             |                                                          |      |             |      |           |      |
| Nitrate as N                                | ND     | 0.20 | 0.11 | mg/L  |             |                                                          |      |             |      |           |      |
| <b>LCS (9E13052-BS1)</b>                    |        |      |      |       |             | Prepared: 05/13/09 Analyzed: 05/14/09                    |      |             |      |           |      |
| Sulfate                                     | 47.2   | 0.50 | 0.37 | mg/L  | 50.0        |                                                          | 94.4 | 90-110      |      |           |      |
| Nitrate as N                                | 10.8   | 0.20 | 0.11 | mg/L  | 11.3        |                                                          | 95.5 | 90-110      |      |           |      |
| <b>Matrix Spike (9E13052-MS1)</b>           |        |      |      |       |             | Source: A9E1093-01 Prepared: 05/13/09 Analyzed: 05/14/09 |      |             |      |           |      |
| Sulfate                                     | 141    | 0.50 | 0.37 | mg/L  | 100         | 38.1                                                     | 103  | 87-114      |      |           |      |
| Nitrate as N                                | 3.81   | 0.20 | 0.11 | mg/L  | 4.52        | ND                                                       | 84.3 | 78-120      |      |           |      |
| <b>Matrix Spike (9E13052-MS2)</b>           |        |      |      |       |             | Source: A9E1119-01 Prepared: 05/13/09 Analyzed: 05/14/09 |      |             |      |           |      |
| Sulfate                                     | 129    | 0.50 | 0.37 | mg/L  | 100         | 22.6                                                     | 107  | 87-114      |      |           |      |
| Nitrate as N                                | 4.11   | 0.20 | 0.11 | mg/L  | 4.52        | 0.181                                                    | 87.1 | 78-120      |      |           |      |
| <b>Matrix Spike Dup (9E13052-MSD1)</b>      |        |      |      |       |             | Source: A9E1093-01 Prepared: 05/13/09 Analyzed: 05/14/09 |      |             |      |           |      |
| Sulfate                                     | 145    | 0.50 | 0.37 | mg/L  | 100         | 38.1                                                     | 106  | 87-114      | 2.54 | 20        |      |
| Nitrate as N                                | 3.74   | 0.20 | 0.11 | mg/L  | 4.52        | ND                                                       | 82.8 | 78-120      | 1.86 | 20        |      |



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Analytical Report: Page 6 of 17  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1093**

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 18 °C

**Aggregate Organic Compounds - Batch Quality Control**

| Analyte(s)                                  | Result | RDL  | MDL  | Units | Spike Level | Source Result                                                   | %REC | %REC Limits | RPD   | RPD Limit | Flag |
|---------------------------------------------|--------|------|------|-------|-------------|-----------------------------------------------------------------|------|-------------|-------|-----------|------|
| <b>Batch 9E19001 - Analyzed as received</b> |        |      |      |       |             |                                                                 |      |             |       |           |      |
| <b>Blank (9E19001-BLK1)</b>                 |        |      |      |       |             | Prepared: 05/19/09 Analyzed: 05/20/09                           |      |             |       |           |      |
| Total Organic Carbon                        | ND     | 0.70 | 0.16 | mg/L  |             |                                                                 |      |             |       |           |      |
| <b>Blank (9E19001-BLK2)</b>                 |        |      |      |       |             | Prepared: 05/19/09 Analyzed: 05/20/09                           |      |             |       |           |      |
| Total Organic Carbon                        | ND     | 0.70 | 0.16 | mg/L  |             |                                                                 |      |             |       |           |      |
| <b>LCS (9E19001-BS1)</b>                    |        |      |      |       |             | Prepared: 05/19/09 Analyzed: 05/20/09                           |      |             |       |           |      |
| Total Organic Carbon                        | 3.97   | 0.70 | 0.16 | mg/L  | 4.00        |                                                                 | 99.3 | 90-110      |       |           |      |
| <b>LCS (9E19001-BS2)</b>                    |        |      |      |       |             | Prepared: 05/19/09 Analyzed: 05/20/09                           |      |             |       |           |      |
| Total Organic Carbon                        | 4.01   | 0.70 | 0.16 | mg/L  | 4.00        |                                                                 | 100  | 90-110      |       |           |      |
| <b>Matrix Spike (9E19001-MS1)</b>           |        |      |      |       |             | <b>Source: A9E0885-01</b> Prepared: 05/19/09 Analyzed: 05/20/09 |      |             |       |           |      |
| Total Organic Carbon                        | 10.3   | 0.70 | 0.16 | mg/L  | 4.00        | 6.02                                                            | 106  | 80-120      |       |           |      |
| <b>Matrix Spike Dup (9E19001-MSD1)</b>      |        |      |      |       |             | <b>Source: A9E0885-01</b> Prepared: 05/19/09 Analyzed: 05/20/09 |      |             |       |           |      |
| Total Organic Carbon                        | 10.4   | 0.70 | 0.16 | mg/L  | 4.00        | 6.02                                                            | 108  | 80-120      | 0.873 | 10        |      |



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Analytical Report: Page 7 of 17  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1093**

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 18 °C

**General Inorganics - Batch Quality Control**

| Analyte(s)                                  | Result | RDL  | MDL  | Units | Spike Level                                             | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Flag |
|---------------------------------------------|--------|------|------|-------|---------------------------------------------------------|---------------|------|-------------|------|-----------|------|
| <b>Batch 9E13067 - Analyzed as received</b> |        |      |      |       |                                                         |               |      |             |      |           |      |
| <b>Blank (9E13067-BLK1)</b>                 |        |      |      |       | Prepared & Analyzed: 05/13/09                           |               |      |             |      |           |      |
| Sulfide                                     | ND     | 0.10 | 0.10 | mg/L  |                                                         |               |      |             |      |           |      |
| <b>Duplicate (9E13067-DUP1)</b>             |        |      |      |       | <b>Source: A9E1093-02</b> Prepared & Analyzed: 05/13/09 |               |      |             |      |           |      |
| Sulfide                                     | 1.50   | 0.10 | 0.10 | mg/L  |                                                         | 1.50          |      |             | 0.00 | 20        |      |



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Analytical Report: Page 8 of 17  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1093**

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 18 °C

**Nutrients - Batch Quality Control**

| Analyte(s)                               | Result | RDL   | MDL    | Units | Spike Level                                             | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Flag |
|------------------------------------------|--------|-------|--------|-------|---------------------------------------------------------|---------------|------|-------------|------|-----------|------|
| <b>Batch 9E14005 - Filter if turbid.</b> |        |       |        |       |                                                         |               |      |             |      |           |      |
| <b>LCS (9E14005-BS1)</b>                 |        |       |        |       | Prepared & Analyzed: 05/14/09                           |               |      |             |      |           |      |
| Ortho Phosphate Phosphorus               | 0.512  | 0.050 | 0.0028 | mg/L  | 0.500                                                   |               | 102  | 90-110      |      |           |      |
| <b>Matrix Spike (9E14005-MS1)</b>        |        |       |        |       | <b>Source: A9E1149-01</b> Prepared & Analyzed: 05/14/09 |               |      |             |      |           |      |
| Ortho Phosphate Phosphorus               | 8.80   | 0.50  | 0.028  | mg/L  | 5.00                                                    | 3.22          | 112  | 80-120      |      |           |      |
| <b>Matrix Spike Dup (9E14005-MSD1)</b>   |        |       |        |       | <b>Source: A9E1149-01</b> Prepared & Analyzed: 05/14/09 |               |      |             |      |           |      |
| Ortho Phosphate Phosphorus               | 8.65   | 0.50  | 0.028  | mg/L  | 5.00                                                    | 3.22          | 109  | 80-120      | 1.72 | 20        |      |





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Analytical Report: Page 9 of 17  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1093**

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 18 °C

**Metals and Metalloids - Batch Quality Control**

| Analyte(s)                                  | Result | RDL  | MDL   | Units | Spike Level | Source Result                 | %REC | %REC Limits | RPD | RPD Limit | Flag     |
|---------------------------------------------|--------|------|-------|-------|-------------|-------------------------------|------|-------------|-----|-----------|----------|
| <b>Batch 9E15032 - 200.8/ No Digest M12</b> |        |      |       |       |             |                               |      |             |     |           |          |
| <b>Blank (9E15032-BLK1)</b>                 |        |      |       |       |             | Prepared & Analyzed: 05/15/09 |      |             |     |           |          |
| Antimony                                    | ND     | 10   | 3.0   | ug/L  |             |                               |      |             |     |           |          |
| Barium                                      | ND     | 20   | 0.056 | ug/L  |             |                               |      |             |     |           |          |
| Beryllium                                   | ND     | 10   | 0.17  | ug/L  |             |                               |      |             |     |           |          |
| Cadmium                                     | ND     | 2.0  | 0.077 | ug/L  |             |                               |      |             |     |           |          |
| Total Chromium                              | 2.12   | 20   | 0.50  | ug/L  |             |                               |      |             |     |           | J        |
| Cobalt                                      | 0.573  | 10   | 0.28  | ug/L  |             |                               |      |             |     |           | J        |
| Copper                                      | ND     | 10   | 1.9   | ug/L  |             |                               |      |             |     |           |          |
| Lead                                        | ND     | 10   | 0.084 | ug/L  |             |                               |      |             |     |           |          |
| Mercury                                     | ND     | 0.50 | 0.039 | ug/L  |             |                               |      |             |     |           |          |
| Molybdenum                                  | ND     | 10   | 0.90  | ug/L  |             |                               |      |             |     |           |          |
| Nickel                                      | ND     | 20   | 1.5   | ug/L  |             |                               |      |             |     |           |          |
| Silver                                      | ND     | 10   | 5.0   | ug/L  |             |                               |      |             |     |           |          |
| Thallium                                    | ND     | 200  | 0.98  | ug/L  |             |                               |      |             |     |           |          |
| Zinc                                        | 2.80   | 10   | 1.4   | ug/L  |             |                               |      |             |     |           | J        |
| <b>Blank (9E15032-BLK2)</b>                 |        |      |       |       |             | Prepared & Analyzed: 05/15/09 |      |             |     |           |          |
| Antimony                                    | ND     | 10   | 3.0   | ug/L  |             |                               |      |             |     |           | QBfil    |
| Barium                                      | 0.128  | 20   | 0.056 | ug/L  |             |                               |      |             |     |           | QBfil, J |
| Beryllium                                   | ND     | 10   | 0.17  | ug/L  |             |                               |      |             |     |           | QBfil    |
| Cadmium                                     | ND     | 2.0  | 0.077 | ug/L  |             |                               |      |             |     |           | QBfil    |
| Total Chromium                              | 1.96   | 20   | 0.50  | ug/L  |             |                               |      |             |     |           | QBfil, J |
| Cobalt                                      | ND     | 10   | 0.28  | ug/L  |             |                               |      |             |     |           | QBfil    |
| Copper                                      | ND     | 10   | 1.9   | ug/L  |             |                               |      |             |     |           | QBfil    |
| Lead                                        | ND     | 10   | 0.084 | ug/L  |             |                               |      |             |     |           | QBfil    |
| Mercury                                     | ND     | 0.50 | 0.039 | ug/L  |             |                               |      |             |     |           | QBfil    |
| Molybdenum                                  | ND     | 10   | 0.90  | ug/L  |             |                               |      |             |     |           | QBfil    |
| Nickel                                      | ND     | 20   | 1.5   | ug/L  |             |                               |      |             |     |           | QBfil    |
| Silver                                      | ND     | 10   | 5.0   | ug/L  |             |                               |      |             |     |           | QBfil    |
| Thallium                                    | ND     | 200  | 0.98  | ug/L  |             |                               |      |             |     |           | QBfil    |
| Zinc                                        | ND     | 10   | 1.4   | ug/L  |             |                               |      |             |     |           | QBfil    |



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Analytical Report: Page 10 of 17  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1093**

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 18 °C

**Metals and Metalloids - Batch Quality Control**

| Analyte(s)                                  | Result | RDL  | MDL   | Units | Spike Level                   | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Flag  |
|---------------------------------------------|--------|------|-------|-------|-------------------------------|---------------|------|-------------|-------|-----------|-------|
| <b>Batch 9E15032 - 200.8/ No Digest M12</b> |        |      |       |       |                               |               |      |             |       |           |       |
| <b>LCS (9E15032-BS1)</b>                    |        |      |       |       | Prepared & Analyzed: 05/15/09 |               |      |             |       |           |       |
| Antimony                                    | 26.3   | 10   | 3.0   | ug/L  | 25.0                          |               | 105  | 85-115      |       |           |       |
| Barium                                      | 26.6   | 20   | 0.056 | ug/L  | 25.0                          |               | 106  | 85-115      |       |           |       |
| Beryllium                                   | 29.1   | 10   | 0.17  | ug/L  | 25.0                          |               | 116  | 85-115      |       |           | QL-MS |
| Cadmium                                     | 26.1   | 2.0  | 0.077 | ug/L  | 25.0                          |               | 105  | 85-115      |       |           |       |
| Total Chromium                              | 26.7   | 20   | 0.50  | ug/L  | 25.0                          |               | 107  | 85-115      |       |           |       |
| Cobalt                                      | 26.4   | 10   | 0.28  | ug/L  | 25.0                          |               | 105  | 85-115      |       |           |       |
| Copper                                      | 26.5   | 10   | 1.9   | ug/L  | 25.0                          |               | 106  | 85-115      |       |           |       |
| Lead                                        | 24.7   | 10   | 0.084 | ug/L  | 25.0                          |               | 98.9 | 85-115      |       |           |       |
| Mercury                                     | 2.16   | 0.50 | 0.039 | ug/L  | 2.50                          |               | 86.3 | 85-115      |       |           |       |
| Molybdenum                                  | 24.4   | 10   | 0.90  | ug/L  | 25.0                          |               | 97.6 | 85-115      |       |           |       |
| Nickel                                      | 27.3   | 20   | 1.5   | ug/L  | 25.0                          |               | 109  | 85-115      |       |           |       |
| Silver                                      | 24.1   | 10   | 5.0   | ug/L  | 25.0                          |               | 96.6 | 85-115      |       |           |       |
| Thallium                                    | 24.7   | 200  | 0.98  | ug/L  | 25.0                          |               | 98.9 | 85-115      |       |           | J     |
| Zinc                                        | 28.6   | 10   | 1.4   | ug/L  | 25.0                          |               | 114  | 85-115      |       |           |       |
| <b>LCS Dup (9E15032-BSD1)</b>               |        |      |       |       | Prepared & Analyzed: 05/15/09 |               |      |             |       |           |       |
| Antimony                                    | 26.4   | 10   | 3.0   | ug/L  | 25.0                          |               | 106  | 85-115      | 0.448 | 20        |       |
| Barium                                      | 27.1   | 20   | 0.056 | ug/L  | 25.0                          |               | 109  | 85-115      | 2.02  | 20        |       |
| Beryllium                                   | 28.3   | 10   | 0.17  | ug/L  | 25.0                          |               | 113  | 85-115      | 2.84  | 20        |       |
| Cadmium                                     | 26.3   | 2.0  | 0.077 | ug/L  | 25.0                          |               | 105  | 85-115      | 0.833 | 20        |       |
| Total Chromium                              | 26.5   | 20   | 0.50  | ug/L  | 25.0                          |               | 106  | 85-115      | 1.09  | 20        |       |
| Cobalt                                      | 27.2   | 10   | 0.28  | ug/L  | 25.0                          |               | 109  | 85-115      | 3.04  | 20        |       |
| Copper                                      | 27.0   | 10   | 1.9   | ug/L  | 25.0                          |               | 108  | 85-115      | 1.92  | 20        |       |
| Lead                                        | 25.4   | 10   | 0.084 | ug/L  | 25.0                          |               | 102  | 85-115      | 2.86  | 20        |       |
| Mercury                                     | 2.28   | 0.50 | 0.039 | ug/L  | 2.50                          |               | 91.1 | 85-115      | 5.45  | 20        |       |
| Molybdenum                                  | 25.1   | 10   | 0.90  | ug/L  | 25.0                          |               | 100  | 85-115      | 2.73  | 20        |       |
| Nickel                                      | 27.9   | 20   | 1.5   | ug/L  | 25.0                          |               | 112  | 85-115      | 2.47  | 20        |       |
| Silver                                      | 24.4   | 10   | 5.0   | ug/L  | 25.0                          |               | 97.7 | 85-115      | 1.14  | 20        |       |
| Thallium                                    | 25.4   | 200  | 0.98  | ug/L  | 25.0                          |               | 102  | 85-115      | 2.70  | 20        | J     |
| Zinc                                        | 30.5   | 10   | 1.4   | ug/L  | 25.0                          |               | 122  | 85-115      | 6.46  | 20        | QLCSD |



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Analytical Report: Page 11 of 17  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1093**

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 18 °C

**Metals and Metalloids - Batch Quality Control**

| Analyte(s)                                  | Result | RDL  | MDL                           | Units | Spike Level | Source Result                 | %REC | %REC Limits | RPD | RPD Limit | Flag  |
|---------------------------------------------|--------|------|-------------------------------|-------|-------------|-------------------------------|------|-------------|-----|-----------|-------|
| <b>Batch 9E15032 - 200.8/ No Digest M12</b> |        |      |                               |       |             |                               |      |             |     |           |       |
| <b>Matrix Spike (9E15032-MS1)</b>           |        |      | <b>Source: A9E1093-03</b>     |       |             | Prepared & Analyzed: 05/15/09 |      |             |     |           |       |
| Antimony                                    | 28.7   | 10   | 3.0                           | ug/L  | 25.0        | ND                            | 115  | 70-130      |     |           |       |
| Barium                                      | 95.2   | 20   | 0.056                         | ug/L  | 25.0        | 68.6                          | 106  | 70-130      |     |           |       |
| Beryllium                                   | 28.4   | 10   | 0.17                          | ug/L  | 25.0        | ND                            | 114  | 70-130      |     |           |       |
| Cadmium                                     | 27.4   | 2.0  | 0.077                         | ug/L  | 25.0        | ND                            | 110  | 70-130      |     |           |       |
| Total Chromium                              | 34.2   | 20   | 0.50                          | ug/L  | 25.0        | 8.12                          | 104  | 70-130      |     |           |       |
| Cobalt                                      | 26.8   | 10   | 0.28                          | ug/L  | 25.0        | ND                            | 107  | 70-130      |     |           |       |
| Copper                                      | 24.8   | 10   | 1.9                           | ug/L  | 25.0        | ND                            | 99.3 | 70-130      |     |           |       |
| Lead                                        | 25.7   | 10   | 0.084                         | ug/L  | 25.0        | ND                            | 103  | 70-130      |     |           |       |
| Mercury                                     | 2.44   | 0.50 | 0.039                         | ug/L  | 2.50        | 0.258                         | 87.5 | 70-130      |     |           |       |
| Molybdenum                                  | 56.2   | 10   | 0.90                          | ug/L  | 25.0        | 30.8                          | 101  | 70-130      |     |           |       |
| Nickel                                      | 27.8   | 20   | 1.5                           | ug/L  | 25.0        | ND                            | 111  | 70-130      |     |           |       |
| Silver                                      | 23.3   | 10   | 5.0                           | ug/L  | 25.0        | ND                            | 93.1 | 70-130      |     |           |       |
| Thallium                                    | 25.0   | 200  | 0.98                          | ug/L  | 25.0        | ND                            | 100  | 70-130      |     |           | J     |
| Zinc                                        | 49.2   | 10   | 1.4                           | ug/L  | 25.0        | 20.1                          | 116  | 70-130      |     |           |       |
| <b>Batch 9E18019 - 200.8/ No Digest M12</b> |        |      |                               |       |             |                               |      |             |     |           |       |
| <b>Blank (9E18019-BLK1)</b>                 |        |      | Prepared & Analyzed: 05/18/09 |       |             |                               |      |             |     |           |       |
| Arsenic                                     | ND     | 5.0  | 1.6                           | ug/L  |             |                               |      |             |     |           |       |
| Vanadium                                    | ND     | 10   | 2.7                           | ug/L  |             |                               |      |             |     |           |       |
| <b>Blank (9E18019-BLK2)</b>                 |        |      | Prepared & Analyzed: 05/18/09 |       |             |                               |      |             |     |           |       |
| Arsenic                                     | ND     | 5.0  | 1.6                           | ug/L  |             |                               |      |             |     |           | QBfil |
| Vanadium                                    | ND     | 10   | 2.7                           | ug/L  |             |                               |      |             |     |           | QBfil |
| <b>LCS (9E18019-BS1)</b>                    |        |      | Prepared & Analyzed: 05/18/09 |       |             |                               |      |             |     |           |       |
| Arsenic                                     | 26.3   | 5.0  | 1.6                           | ug/L  | 25.0        |                               | 105  | 85-115      |     |           |       |
| Vanadium                                    | 27.0   | 10   | 2.7                           | ug/L  | 25.0        |                               | 108  | 85-115      |     |           |       |



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Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1093**

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 18 °C

**Metals and Metalloids - Batch Quality Control**

| Analyte(s)                                  | Result | RDL  | MDL   | Units | Spike Level                   | Source Result | %REC                          | %REC Limits | RPD  | RPD Limit | Flag |
|---------------------------------------------|--------|------|-------|-------|-------------------------------|---------------|-------------------------------|-------------|------|-----------|------|
| <b>Batch 9E18019 - 200.8/ No Digest M12</b> |        |      |       |       |                               |               |                               |             |      |           |      |
| <b>LCS Dup (9E18019-BSD1)</b>               |        |      |       |       | Prepared & Analyzed: 05/18/09 |               |                               |             |      |           |      |
| Arsenic                                     | 27.3   | 5.0  | 1.6   | ug/L  | 25.0                          |               | 109                           | 85-115      | 3.53 | 20        |      |
| Vanadium                                    | 27.6   | 10   | 2.7   | ug/L  | 25.0                          |               | 111                           | 85-115      | 2.49 | 20        |      |
| <b>Matrix Spike (9E18019-MS1)</b>           |        |      |       |       | <b>Source: A9E1093-03</b>     |               | Prepared & Analyzed: 05/18/09 |             |      |           |      |
| Arsenic                                     | 29.3   | 5.0  | 1.6   | ug/L  | 25.0                          | 2.29          | 108                           | 70-130      |      |           |      |
| Vanadium                                    | 30.0   | 10   | 2.7   | ug/L  | 25.0                          | ND            | 120                           | 70-130      |      |           |      |
| <b>Batch 9E20002 - EPA 200.2 SOP M02C</b>   |        |      |       |       |                               |               |                               |             |      |           |      |
| <b>Blank (9E20002-BLK1)</b>                 |        |      |       |       | Prepared & Analyzed: 05/20/09 |               |                               |             |      |           |      |
| Antimony                                    | ND     | 10   | 3.0   | ug/L  |                               |               |                               |             |      |           |      |
| Arsenic                                     | ND     | 5.0  | 1.6   | ug/L  |                               |               |                               |             |      |           |      |
| Barium                                      | ND     | 20   | 0.056 | ug/L  |                               |               |                               |             |      |           |      |
| Beryllium                                   | ND     | 10   | 0.17  | ug/L  |                               |               |                               |             |      |           |      |
| Cadmium                                     | ND     | 2.0  | 0.077 | ug/L  |                               |               |                               |             |      |           |      |
| Total Chromium                              | ND     | 20   | 0.50  | ug/L  |                               |               |                               |             |      |           |      |
| Cobalt                                      | ND     | 10   | 0.28  | ug/L  |                               |               |                               |             |      |           |      |
| Copper                                      | ND     | 10   | 1.9   | ug/L  |                               |               |                               |             |      |           |      |
| Lead                                        | ND     | 10   | 0.084 | ug/L  |                               |               |                               |             |      |           |      |
| Mercury                                     | ND     | 0.50 | 0.039 | ug/L  |                               |               |                               |             |      |           |      |
| Molybdenum                                  | ND     | 10   | 0.90  | ug/L  |                               |               |                               |             |      |           |      |
| Nickel                                      | ND     | 20   | 1.5   | ug/L  |                               |               |                               |             |      |           |      |
| Silver                                      | ND     | 10   | 5.0   | ug/L  |                               |               |                               |             |      |           |      |
| Thallium                                    | ND     | 200  | 0.98  | ug/L  |                               |               |                               |             |      |           |      |
| Vanadium                                    | ND     | 10   | 2.7   | ug/L  |                               |               |                               |             |      |           |      |
| Zinc                                        | 3.27   | 10   | 1.4   | ug/L  |                               |               |                               |             |      |           | J    |



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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 13 of 17  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1093**

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 18 °C

**Metals and Metalloids - Batch Quality Control**

| Analyte(s)                                | Result | RDL  | MDL   | Units | Spike Level                                      | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|-------------------------------------------|--------|------|-------|-------|--------------------------------------------------|---------------|------|-------------|-----|-----------|------|
| <b>Batch 9E20002 - EPA 200.2 SOP M02C</b> |        |      |       |       |                                                  |               |      |             |     |           |      |
| <b>LCS (9E20002-BS1)</b>                  |        |      |       |       | Prepared & Analyzed: 05/20/09                    |               |      |             |     |           |      |
| Antimony                                  | 187    | 10   | 3.0   | ug/L  | 167                                              |               | 112  | 85-115      |     |           |      |
| Arsenic                                   | 178    | 5.0  | 1.6   | ug/L  | 167                                              |               | 107  | 85-115      |     |           |      |
| Barium                                    | 177    | 20   | 0.056 | ug/L  | 167                                              |               | 106  | 85-115      |     |           |      |
| Beryllium                                 | 179    | 10   | 0.17  | ug/L  | 167                                              |               | 108  | 85-115      |     |           |      |
| Cadmium                                   | 174    | 2.0  | 0.077 | ug/L  | 167                                              |               | 104  | 85-115      |     |           |      |
| Total Chromium                            | 180    | 20   | 0.50  | ug/L  | 167                                              |               | 108  | 85-115      |     |           |      |
| Cobalt                                    | 177    | 10   | 0.28  | ug/L  | 167                                              |               | 106  | 85-115      |     |           |      |
| Copper                                    | 171    | 10   | 1.9   | ug/L  | 167                                              |               | 102  | 85-115      |     |           |      |
| Lead                                      | 175    | 10   | 0.084 | ug/L  | 167                                              |               | 105  | 85-115      |     |           |      |
| Mercury                                   | 2.96   | 0.50 | 0.039 | ug/L  | 2.78                                             |               | 107  | 85-115      |     |           |      |
| Molybdenum                                | 185    | 10   | 0.90  | ug/L  | 167                                              |               | 111  | 85-115      |     |           |      |
| Nickel                                    | 179    | 20   | 1.5   | ug/L  | 167                                              |               | 107  | 85-115      |     |           |      |
| Silver                                    | 160    | 10   | 5.0   | ug/L  | 167                                              |               | 95.8 | 85-115      |     |           |      |
| Thallium                                  | 177    | 200  | 0.98  | ug/L  | 167                                              |               | 106  | 85-115      |     |           | J    |
| Vanadium                                  | 179    | 10   | 2.7   | ug/L  | 167                                              |               | 107  | 85-115      |     |           |      |
| Zinc                                      | 181    | 10   | 1.4   | ug/L  | 167                                              |               | 108  | 85-115      |     |           |      |
| <b>Matrix Spike (9E20002-MS1)</b>         |        |      |       |       | Source: A9E1156-01 Prepared & Analyzed: 05/20/09 |               |      |             |     |           |      |
| Antimony                                  | 201    | 10   | 3.0   | ug/L  | 167                                              | ND            | 121  | 70-130      |     |           |      |
| Arsenic                                   | 189    | 5.0  | 1.6   | ug/L  | 167                                              | 2.65          | 112  | 70-130      |     |           |      |
| Barium                                    | 251    | 20   | 0.056 | ug/L  | 167                                              | 70.0          | 108  | 70-130      |     |           |      |
| Beryllium                                 | 176    | 10   | 0.17  | ug/L  | 167                                              | ND            | 105  | 70-130      |     |           |      |
| Cadmium                                   | 172    | 2.0  | 0.077 | ug/L  | 167                                              | 0.0840        | 103  | 70-130      |     |           |      |
| Total Chromium                            | 183    | 20   | 0.50  | ug/L  | 167                                              | ND            | 110  | 70-130      |     |           |      |
| Cobalt                                    | 180    | 10   | 0.28  | ug/L  | 167                                              | 1.22          | 107  | 70-130      |     |           |      |
| Copper                                    | 179    | 10   | 1.9   | ug/L  | 167                                              | 8.51          | 102  | 70-130      |     |           |      |
| Lead                                      | 168    | 10   | 0.084 | ug/L  | 167                                              | 1.01          | 100  | 70-130      |     |           |      |
| Mercury                                   | 2.99   | 0.50 | 0.039 | ug/L  | 2.78                                             | ND            | 108  | 70-130      |     |           |      |
| Molybdenum                                | 228    | 10   | 0.90  | ug/L  | 167                                              | 34.2          | 116  | 70-130      |     |           |      |
| Nickel                                    | 187    | 20   | 1.5   | ug/L  | 167                                              | 6.99          | 108  | 70-130      |     |           |      |
| Silver                                    | 157    | 10   | 5.0   | ug/L  | 167                                              | ND            | 94.1 | 70-130      |     |           |      |
| Thallium                                  | 171    | 200  | 0.98  | ug/L  | 167                                              | ND            | 102  | 70-130      |     |           | J    |
| Vanadium                                  | 203    | 10   | 2.7   | ug/L  | 167                                              | 14.8          | 113  | 70-130      |     |           |      |
| Zinc                                      | 192    | 10   | 1.4   | ug/L  | 167                                              | 20.7          | 103  | 70-130      |     |           |      |



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Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 14 of 17  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1093**

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 18 °C

**Metals and Metalloids - Batch Quality Control**

| Analyte(s)                                  | Result | RDL                                      | MDL   | Units | Spike Level                              | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Flag |
|---------------------------------------------|--------|------------------------------------------|-------|-------|------------------------------------------|---------------|------|-------------|------|-----------|------|
| <b>Batch 9E20002 - EPA 200.2 SOP M02C</b>   |        |                                          |       |       |                                          |               |      |             |      |           |      |
| <b>Matrix Spike (9E20002-MS2)</b>           |        | <b>Source: A9E1566-02</b>                |       |       | <b>Prepared &amp; Analyzed: 05/20/09</b> |               |      |             |      |           |      |
| Antimony                                    | 211    | 10                                       | 3.0   | ug/L  | 167                                      | ND            | 126  | 70-130      |      |           |      |
| Arsenic                                     | 194    | 5.0                                      | 1.6   | ug/L  | 167                                      | ND            | 116  | 70-130      |      |           |      |
| Barium                                      | 282    | 20                                       | 0.056 | ug/L  | 167                                      | 80.8          | 121  | 70-130      |      |           |      |
| Beryllium                                   | 179    | 10                                       | 0.17  | ug/L  | 167                                      | ND            | 108  | 70-130      |      |           |      |
| Cadmium                                     | 184    | 2.0                                      | 0.077 | ug/L  | 167                                      | 1.59          | 109  | 70-130      |      |           |      |
| Total Chromium                              | 189    | 20                                       | 0.50  | ug/L  | 167                                      | ND            | 113  | 70-130      |      |           |      |
| Cobalt                                      | 191    | 10                                       | 0.28  | ug/L  | 167                                      | 0.971         | 114  | 70-130      |      |           |      |
| Copper                                      | 180    | 10                                       | 1.9   | ug/L  | 167                                      | 1.96          | 107  | 70-130      |      |           |      |
| Lead                                        | 179    | 10                                       | 0.084 | ug/L  | 167                                      | ND            | 107  | 70-130      |      |           |      |
| Mercury                                     | 2.92   | 0.50                                     | 0.039 | ug/L  | 2.78                                     | ND            | 105  | 70-130      |      |           |      |
| Molybdenum                                  | 216    | 10                                       | 0.90  | ug/L  | 167                                      | 9.32          | 124  | 70-130      |      |           |      |
| Nickel                                      | 216    | 20                                       | 1.5   | ug/L  | 167                                      | 23.8          | 115  | 70-130      |      |           |      |
| Silver                                      | 168    | 10                                       | 5.0   | ug/L  | 167                                      | ND            | 101  | 70-130      |      |           |      |
| Thallium                                    | 185    | 200                                      | 0.98  | ug/L  | 167                                      | ND            | 111  | 70-130      |      |           | J    |
| Vanadium                                    | 214    | 10                                       | 2.7   | ug/L  | 167                                      | 21.9          | 115  | 70-130      |      |           |      |
| Zinc                                        | 189    | 10                                       | 1.4   | ug/L  | 167                                      | 7.21          | 109  | 70-130      |      |           |      |
| <b>Batch 9E21024 - 200.8/ No Digest M12</b> |        |                                          |       |       |                                          |               |      |             |      |           |      |
| <b>Blank (9E21024-BLK1)</b>                 |        | <b>Prepared &amp; Analyzed: 05/21/09</b> |       |       |                                          |               |      |             |      |           |      |
| Selenium                                    | ND     | 5.0                                      | 2.5   | ug/L  |                                          |               |      |             |      |           |      |
| <b>LCS (9E21024-BS1)</b>                    |        | <b>Prepared &amp; Analyzed: 05/21/09</b> |       |       |                                          |               |      |             |      |           |      |
| Selenium                                    | 28.3   | 5.0                                      | 2.5   | ug/L  | 25.0                                     |               | 113  | 85-115      |      |           |      |
| <b>LCS Dup (9E21024-BSD1)</b>               |        | <b>Prepared &amp; Analyzed: 05/21/09</b> |       |       |                                          |               |      |             |      |           |      |
| Selenium                                    | 27.8   | 5.0                                      | 2.5   | ug/L  | 25.0                                     |               | 111  | 85-115      | 1.80 | 20        |      |



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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 15 of 17  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1093**

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 18 °C

**Metals and Metalloids - Batch Quality Control**

| Analyte(s)                                  | Result | RDL | MDL | Units | Spike Level                                               | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---------------------------------------------|--------|-----|-----|-------|-----------------------------------------------------------|---------------|------|-------------|-----|-----------|------|
| <b>Batch 9E21024 - 200.8/ No Digest M12</b> |        |     |     |       |                                                           |               |      |             |     |           |      |
| <b>Matrix Spike (9E21024-MS1)</b>           |        |     |     |       | <b>Source: A9E1093-03RE</b> Prepared & Analyzed: 05/21/09 |               |      |             |     |           |      |
| Selenium                                    | 40.3   | 5.0 | 2.5 | ug/L  | 25.0                                                      | 10.9          | 117  | 70-130      |     |           |      |



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Analytical Report: Page 16 of 17  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1093**

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 18 °C

## Notes and Definitions

A-01 Possible interference due to high sulfide.  
J Estimated value  
QBfil Method blank was filtered prior to processing.  
QLCSD Batch acceptance based on LCS recovery. The LCSD did not meet laboratory acceptance criteria.  
QL-MS Batch acceptance based on MS and/or MSD recovery within LCS criteria. The LCS recovery did not meet laboratory acceptance criteria.  
ND: Analyte NOT DETECTED at or above the Method Detection Limit (**if MDL is reported**), otherwise at or above the Reportable Detection Limit (RDL)  
NR: Not Reported  
RDL: Reportable Detection Limit  
MDL: Method Detection Limit

\* / (Non-NELAP): NELAP does not offer accreditation for this analyte/method/matrix combination

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## Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

*Lawrence J. Chrystal*

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Lawrence J. Chrystal

Laboratory Director

cc:

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NELAP no, 02101CA  
CA ELAP no. 2698  
EPA no. CA00102





Received on Ice (Y/N): Yes Temp: 18 °C

## 49E1093AB

NELAP no, 02101CA  
CA ELAP no. 2698  
EPA no. CA00102



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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 1 of 6  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1601**

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 26 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

### Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u>                         | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u>        | <u>Date Submitted</u> | <u>By</u>        |
|---------------------|-------------------------------------------------|---------------|---------------------|------------------|-----------------------|------------------|
| A9E1601-01          | IDW1-051909 LMC Beaumont Site 2<br>Tank#265615  | Liquid        | 05/19/09 00:00      | David Bertolacci | 05/19/09 16:25        | David Bertolacci |
| A9E1601-02          | IDW2-051909 LMC Beaumont Site 2<br>Tank #256204 | Liquid        | 05/19/09 00:00      | David Bertolacci | 05/19/09 16:25        | David Bertolacci |



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San Bernardino, CA 92408-3216

Analytical Report: Page 2 of 6  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1601**

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 26 °C

Laboratory Reference Number

**A9E1601-01**

| <u>Sample Description</u>                   | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
|---------------------------------------------|---------------|--------------------------|---------------------------|
| IDW1-051909 LMC Beaumont Site 2 Tank#265615 | Liquid        | 05/19/09 00:00           | 05/19/09 16:25            |

| <u>Analyte(s)</u>               | <u>Result</u> | <u>RDL</u> | <u>Units</u> | <u>Method</u> | <u>Analysis Date</u> | <u>Analyst</u> | <u>Flag</u> |
|---------------------------------|---------------|------------|--------------|---------------|----------------------|----------------|-------------|
| 1,2,3-TCP by Purge & Trap GC/MS |               |            |              |               |                      |                |             |
| 1,2,3-Trichloropropane          | ND            | 0.005      | ug/L         | CA DHS-SRL    | 05/20/09 03:52       | jes            |             |



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Client Name: Tetra Tech, Inc. - San Bernardino  
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San Bernardino, CA 92408-3216

Analytical Report: Page 3 of 6  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1601**

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 26 °C

Laboratory Reference Number

**A9E1601-02**

| <u>Sample Description</u>                    | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
|----------------------------------------------|---------------|--------------------------|---------------------------|
| IDW2-051909 LMC Beaumont Site 2 Tank #256204 | Liquid        | 05/19/09 00:00           | 05/19/09 16:25            |

| <u>Analyte(s)</u>               | <u>Result</u> | <u>RDL</u> | <u>Units</u> | <u>Method</u> | <u>Analysis Date</u> | <u>Analyst</u> | <u>Flag</u> |
|---------------------------------|---------------|------------|--------------|---------------|----------------------|----------------|-------------|
| 1,2,3-TCP by Purge & Trap GC/MS |               |            |              |               |                      |                |             |
| 1,2,3-Trichloropropane          | ND            | 0.005      | ug/L         | CA DHS-SRL    | 05/20/09 04:26       | jes            |             |



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San Bernardino, CA 92408-3216

Analytical Report: Page 4 of 6  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1601**

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 26 °C

**1,2,3-TCP by Purge & Trap GC/MS - Batch Quality Control**

| Analyte(s)                            | Result | RDL   | MDL | Units | Spike Level | Source Result                                                   | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---------------------------------------|--------|-------|-----|-------|-------------|-----------------------------------------------------------------|------|-------------|-----|-----------|------|
| <b>Batch 9E19055 - Purge and Trap</b> |        |       |     |       |             |                                                                 |      |             |     |           |      |
| <b>Blank (9E19055-BLK1)</b>           |        |       |     |       |             | Prepared: 05/19/09 Analyzed: 05/20/09                           |      |             |     |           |      |
| 1,2,3-Trichloropropane                | ND     | 0.005 |     | ug/L  |             |                                                                 |      |             |     |           |      |
| <b>LCS (9E19055-BS1)</b>              |        |       |     |       |             | Prepared: 05/19/09 Analyzed: 05/20/09                           |      |             |     |           |      |
| 1,2,3-Trichloropropane                | 0.051  | 0.005 |     | ug/L  | 0.0500      |                                                                 | 103  | 80-120      |     |           |      |
| <b>Duplicate (9E19055-DUP1)</b>       |        |       |     |       |             | <b>Source: A9E1601-02</b> Prepared: 05/19/09 Analyzed: 05/20/09 |      |             |     |           |      |
| 1,2,3-Trichloropropane                | ND     | 0.005 |     | ug/L  |             | ND                                                              |      |             | 20  | QRPI      |      |



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Analytical Report: Page 5 of 6  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

Report Date: 21-May-2009

**Work Order Number: A9E1601**

Received on Ice (Y/N): Yes Temp: 26 °C

## Notes and Definitions

QRPDI Analyte concentration was below range for valid RPD determination.

ND: Analyte NOT DETECTED at or above the Method Detection Limit (**if MDL is reported**), otherwise at or above the Reportable Detection Limit (RDL)

NR: Not Reported

RDL: Reportable Detection Limit

MDL: Method Detection Limit

\* / (Non-NELAP): NELAP does not offer accreditation for this analyte/method/matrix combination

---

## Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

*Lawrence J. Chrystal*

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Lawrence J. Chrystal

Laboratory Director

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NELAP no, 02101CA  
CA ELAP no. 2698  
EPA no. CA00102



E.S.BABCOCK & Sons, Inc.

Environmental Laboratories est. 1906

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 6 of 6  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

Work Order Number: A9E1601

Report Date: 21-May-2009

Received on Ice (Y/N): Yes Temp: 26 °C

# CHAIN OF CUSTODY RECORD

SHIP TO: E.S. Babcock & Sons  
6100 Quail Valley Court  
Riverside, CA 92507  
951-653-3357

TETRA TECH, INC.  
348 W. Hospitality Lane, Suite 100  
San Bernardino, California 92408  
Telephone: (909) 381-1674  
FAX: (909) 889-1391

DATE 5/19/09 PAGE 1 OF 1

| CLIENT: T+ |             |            |          | PROJECT NAME: LM Beaumont Site 2 |             |                      |                             | PROJECT MANAGER: Tom Villanueva |                        |             |                     | TC #: 22289-090108 |      |      |      | SAMPLERS (Signatures) |      |      |      | TURN-AROUND TIME |      |      |      | OBSERVATIONS/COMMENTS |      |    |  |
|------------|-------------|------------|----------|----------------------------------|-------------|----------------------|-----------------------------|---------------------------------|------------------------|-------------|---------------------|--------------------|------|------|------|-----------------------|------|------|------|------------------|------|------|------|-----------------------|------|----|--|
| LINE       | ITEM        | SAMPLE NO. | DATE     | TIME                             | MATRIX TYPE | CONTAINER TYPE       | PREPRESERVATIVE             | NUMBER OF CONTAINERS            | CONTAINER TYPE         | MATRIX TYPE | FILTERED/UNFILTERED | DATE               | TIME | DATE | TIME | DATE                  | TIME | DATE | TIME | DATE             | TIME | DATE | TIME | DATE                  | TIME |    |  |
| 1.         | IOU1-051909 | 05/19/09   | 05/19/09 |                                  | X           | G - Glass Bottle/Jar | SS - Stainless Steel Sleeve | SB - Brass Sleeve               | P - Plastic Bottle/Jar | NR          | NR                  | NR                 | NR   | NR   | NR   | NR                    | NR   | NR   | NR   | NR               | NR   | NR   | NR   | NR                    | NR   | NR |  |
| 2.         | IOU2-051909 | 05/19/09   | 05/19/09 |                                  | X           | G - Glass Bottle/Jar | SS - Stainless Steel Sleeve | SB - Brass Sleeve               | P - Plastic Bottle/Jar | NR          | NR                  | NR                 | NR   | NR   | NR   | NR                    | NR   | NR   | NR   | NR               | NR   | NR   | NR   | NR                    | NR   |    |  |
| 3.         |             |            |          |                                  |             |                      |                             |                                 |                        |             |                     |                    |      |      |      |                       |      |      |      |                  |      |      |      |                       |      |    |  |
| 4.         |             |            |          |                                  |             |                      |                             |                                 |                        |             |                     |                    |      |      |      |                       |      |      |      |                  |      |      |      |                       |      |    |  |
| 5.         |             |            |          |                                  |             |                      |                             |                                 |                        |             |                     |                    |      |      |      |                       |      |      |      |                  |      |      |      |                       |      |    |  |
| 6.         |             |            |          |                                  |             |                      |                             |                                 |                        |             |                     |                    |      |      |      |                       |      |      |      |                  |      |      |      |                       |      |    |  |
| 7.         |             |            |          |                                  |             |                      |                             |                                 |                        |             |                     |                    |      |      |      |                       |      |      |      |                  |      |      |      |                       |      |    |  |
| 8.         |             |            |          |                                  |             |                      |                             |                                 |                        |             |                     |                    |      |      |      |                       |      |      |      |                  |      |      |      |                       |      |    |  |
| 9.         |             |            |          |                                  |             |                      |                             |                                 |                        |             |                     |                    |      |      |      |                       |      |      |      |                  |      |      |      |                       |      |    |  |
| 10.        |             |            |          |                                  |             |                      |                             |                                 |                        |             |                     |                    |      |      |      |                       |      |      |      |                  |      |      |      |                       |      |    |  |

DISTRIBUTION: White and Pink = Tetra Tech, Inc. Canary = Laboratory



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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 1 of 12  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1809**

Report Date: 26-May-2009

Received on Ice (Y/N): Yes Temp: 16 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

### Sample Identification

| <u>Lab Sample #</u> | <u>Client Sample ID</u>   | <u>Matrix</u> | <u>Date Sampled</u> | <u>By</u> | <u>Date Submitted</u> | <u>By</u>        |
|---------------------|---------------------------|---------------|---------------------|-----------|-----------------------|------------------|
| A9E1809-01          | IDW2-052109 Beaumont Site | Liquid        | 05/21/09 14:15      |           | 05/21/09 15:00        | David Bertolacci |
| A9E1809-02          | LTB-052109 Beaumont Site  | Liquid        | 05/21/09 09:25      |           | 05/21/09 15:00        | David Bertolacci |





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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 2 of 12  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1809**

Report Date: 26-May-2009

Received on Ice (Y/N): Yes Temp: 16 °C

Laboratory Reference Number  
**A9E1809-01**

|                           |               |                          |                           |
|---------------------------|---------------|--------------------------|---------------------------|
| <u>Sample Description</u> | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
| IDW2-052109 Beaumont Site | Liquid        | 05/21/09 14:15           | 05/21/09 15:00            |

| Analyte(s)                              | Result | RDL  | MDL   | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------------|--------|------|-------|-------|-----------|----------------|---------|------|
| Volatile Organic Compounds by EPA 8260B |        |      |       |       |           |                |         |      |
| 1,1,1-Trichloroethane                   | ND     | 0.50 | 0.12  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| 1,1,2,2-Tetrachloroethane               | ND     | 0.50 | 0.29  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| 1,1,2-Trichloroethane                   | ND     | 0.50 | 0.31  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| 1,1-Dichloroethane                      | ND     | 0.50 | 0.098 | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| 1,1-Dichloroethene                      | ND     | 0.50 | 0.12  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| 1,2-Dichlorobenzene                     | ND     | 0.50 | 0.20  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| 1,2-Dichloroethane                      | ND     | 0.50 | 0.21  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| 1,2-Dichloropropane                     | ND     | 0.50 | 0.19  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| 1,3-Dichlorobenzene                     | ND     | 0.50 | 0.15  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| 1,4-Dichlorobenzene                     | ND     | 0.50 | 0.072 | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| 2-Butanone(MEK)                         | 3.4    | 3.0  | 1.2   | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| 2-Hexanone                              | ND     | 5.0  | 1.2   | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| 4-Methyl-2-Pentanone(MIBK)              | ND     | 5.0  | 0.95  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Acetone                                 | ND     | 5.0  | 5.0   | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Benzene                                 | ND     | 0.50 | 0.14  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Bromodichloromethane                    | ND     | 0.50 | 0.11  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Bromoform                               | ND     | 0.50 | 0.13  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Bromomethane                            | ND     | 0.50 | 0.48  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Carbon Disulfide                        | 0.73   | 0.50 | 0.36  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Carbon Tetrachloride                    | ND     | 0.50 | 0.15  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Chlorobenzene                           | ND     | 0.50 | 0.23  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Chloroethane                            | ND     | 0.50 | 0.35  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Chloroform                              | ND     | 0.50 | 0.17  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Chloromethane                           | ND     | 0.50 | 0.36  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| cis-1,2-Dichloroethene                  | ND     | 0.50 | 0.18  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| cis-1,3-Dichloropropene                 | ND     | 0.50 | 0.30  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Dibromochloromethane                    | ND     | 0.50 | 0.37  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Ethylbenzene                            | ND     | 0.50 | 0.26  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Methyl tert Butyl Ether                 | ND     | 5.0  | 0.29  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Methylene Chloride                      | ND     | 3.0  | 0.15  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Styrene                                 | ND     | 0.50 | 0.22  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Tetrachloroethene                       | ND     | 0.50 | 0.17  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Toluene                                 | 4.8    | 0.50 | 0.22  | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |

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NELAP no, 02101CA  
CA ELAP no. 2698  
EPA no. CA00102



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Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 3 of 12  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1809**

Report Date: 26-May-2009

Received on Ice (Y/N): Yes Temp: 16 °C

Laboratory Reference Number  
**A9E1809-01**

| <u>Sample Description</u> | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
|---------------------------|---------------|--------------------------|---------------------------|
| IDW2-052109 Beaumont Site | Liquid        | 05/21/09 14:15           | 05/21/09 15:00            |

| Analyte(s)                              | Result | RDL  | MDL    | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------------|--------|------|--------|-------|-----------|----------------|---------|------|
| Volatile Organic Compounds by EPA 8260B |        |      |        |       |           |                |         |      |
| trans-1,2-Dichloroethene                | ND     | 0.50 | 0.10   | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| trans-1,3-Dichloropropene               | ND     | 0.50 | 0.24   | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Trichloroethene                         | ND     | 0.50 | 0.17   | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Trichlorofluoromethane                  | ND     | 5.0  | 0.16   | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Vinyl Acetate                           | ND     | 10   | 0.48   | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Vinyl Chloride                          | ND     | 0.50 | 0.13   | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Xylenes (m+p)                           | ND     | 0.50 | 0.36   | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Xylenes (ortho)                         | ND     | 0.50 | 0.41   | ug/L  | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Surrogate: 1,2-Dichloroethane-d4        | 92.1   | %    | 80-124 |       | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Surrogate: Bromofluorobenzene           | 89.8   | %    | 71-149 |       | EPA 8260B | 05/22/09 05:06 | jes     |      |
| Surrogate: Toluene-d8                   | 95.7   | %    | 80-120 |       | EPA 8260B | 05/22/09 05:06 | jes     |      |



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Analytical Report: Page 4 of 12  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1809**

Report Date: 26-May-2009

Received on Ice (Y/N): Yes Temp: 16 °C

Laboratory Reference Number  
**A9E1809-02**

|                           |               |                          |                           |
|---------------------------|---------------|--------------------------|---------------------------|
| <u>Sample Description</u> | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
| LTB-052109 Beaumont Site  | Liquid        | 05/21/09 09:25           | 05/21/09 15:00            |

| Analyte(s)                              | Result | RDL  | MDL   | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------------|--------|------|-------|-------|-----------|----------------|---------|------|
| Volatile Organic Compounds by EPA 8260B |        |      |       |       |           |                |         |      |
| 1,1,1-Trichloroethane                   | ND     | 0.50 | 0.12  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| 1,1,2,2-Tetrachloroethane               | ND     | 0.50 | 0.29  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| 1,1,2-Trichloroethane                   | ND     | 0.50 | 0.31  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| 1,1-Dichloroethane                      | ND     | 0.50 | 0.098 | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| 1,1-Dichloroethene                      | ND     | 0.50 | 0.12  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| 1,2-Dichlorobenzene                     | ND     | 0.50 | 0.20  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| 1,2-Dichloroethane                      | ND     | 0.50 | 0.21  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| 1,2-Dichloropropane                     | ND     | 0.50 | 0.19  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| 1,3-Dichlorobenzene                     | ND     | 0.50 | 0.15  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| 1,4-Dichlorobenzene                     | ND     | 0.50 | 0.072 | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| 2-Butanone(MEK)                         | ND     | 3.0  | 1.2   | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| 2-Hexanone                              | ND     | 5.0  | 1.2   | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| 4-Methyl-2-Pentanone(MIBK)              | ND     | 5.0  | 0.95  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Acetone                                 | ND     | 5.0  | 5.0   | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Benzene                                 | ND     | 0.50 | 0.14  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Bromodichloromethane                    | ND     | 0.50 | 0.11  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Bromoform                               | ND     | 0.50 | 0.13  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Bromomethane                            | ND     | 0.50 | 0.48  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Carbon Disulfide                        | ND     | 0.50 | 0.36  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Carbon Tetrachloride                    | ND     | 0.50 | 0.15  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Chlorobenzene                           | ND     | 0.50 | 0.23  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Chloroethane                            | ND     | 0.50 | 0.35  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Chloroform                              | ND     | 0.50 | 0.17  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Chloromethane                           | ND     | 0.50 | 0.36  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| cis-1,2-Dichloroethene                  | ND     | 0.50 | 0.18  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| cis-1,3-Dichloropropene                 | ND     | 0.50 | 0.30  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Dibromochloromethane                    | ND     | 0.50 | 0.37  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Ethylbenzene                            | ND     | 0.50 | 0.26  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Methyl tert Butyl Ether                 | ND     | 5.0  | 0.29  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Methylene Chloride                      | ND     | 3.0  | 0.15  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Styrene                                 | ND     | 0.50 | 0.22  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Tetrachloroethene                       | ND     | 0.50 | 0.17  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Toluene                                 | ND     | 0.50 | 0.22  | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |

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NELAP no, 02101CA  
CA ELAP no. 2698  
EPA no. CA00102



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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 5 of 12  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1809**

Report Date: 26-May-2009

Received on Ice (Y/N): Yes Temp: 16 °C

Laboratory Reference Number  
**A9E1809-02**

| <u>Sample Description</u> | <u>Matrix</u> | <u>Sampled Date/Time</u> | <u>Received Date/Time</u> |
|---------------------------|---------------|--------------------------|---------------------------|
| LTB-052109 Beaumont Site  | Liquid        | 05/21/09 09:25           | 05/21/09 15:00            |

| Analyte(s)                              | Result | RDL  | MDL    | Units | Method    | Analysis Date  | Analyst | Flag |
|-----------------------------------------|--------|------|--------|-------|-----------|----------------|---------|------|
| Volatile Organic Compounds by EPA 8260B |        |      |        |       |           |                |         |      |
| trans-1,2-Dichloroethene                | ND     | 0.50 | 0.10   | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| trans-1,3-Dichloropropene               | ND     | 0.50 | 0.24   | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Trichloroethene                         | ND     | 0.50 | 0.17   | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Trichlorofluoromethane                  | ND     | 5.0  | 0.16   | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Vinyl Acetate                           | ND     | 10   | 0.48   | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Vinyl Chloride                          | ND     | 0.50 | 0.13   | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Xylenes (m+p)                           | ND     | 0.50 | 0.36   | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Xylenes (ortho)                         | ND     | 0.50 | 0.41   | ug/L  | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Surrogate: 1,2-Dichloroethane-d4        | 93.5   | %    | 80-124 |       | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Surrogate: Bromofluorobenzene           | 91.2   | %    | 71-149 |       | EPA 8260B | 05/22/09 05:39 | jes     |      |
| Surrogate: Toluene-d8                   | 96.5   | %    | 80-120 |       | EPA 8260B | 05/22/09 05:39 | jes     |      |



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Analytical Report: Page 6 of 12  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1809**

Report Date: 26-May-2009

Received on Ice (Y/N): Yes Temp: 16 °C

**Volatile Organic Compounds by EPA 8260B - Batch Quality Control**

| Analyte(s)                            | Result | RDL  | MDL   | Units | Spike Level                           | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---------------------------------------|--------|------|-------|-------|---------------------------------------|---------------|------|-------------|-----|-----------|------|
| <b>Batch 9E21044 - Purge and Trap</b> |        |      |       |       |                                       |               |      |             |     |           |      |
| <b>Blank (9E21044-BLK1)</b>           |        |      |       |       | Prepared: 05/21/09 Analyzed: 05/22/09 |               |      |             |     |           |      |
| 1,1,1-Trichloroethane                 | ND     | 0.50 | 0.12  | ug/L  |                                       |               |      |             |     |           |      |
| 1,1,2,2-Tetrachloroethane             | ND     | 0.50 | 0.29  | ug/L  |                                       |               |      |             |     |           |      |
| 1,1,2-Trichloroethane                 | ND     | 0.50 | 0.31  | ug/L  |                                       |               |      |             |     |           |      |
| 1,1-Dichloroethane                    | ND     | 0.50 | 0.098 | ug/L  |                                       |               |      |             |     |           |      |
| 1,1-Dichloroethene                    | ND     | 0.50 | 0.12  | ug/L  |                                       |               |      |             |     |           |      |
| 1,2-Dichlorobenzene                   | ND     | 0.50 | 0.20  | ug/L  |                                       |               |      |             |     |           |      |
| 1,2-Dichloroethane                    | ND     | 0.50 | 0.21  | ug/L  |                                       |               |      |             |     |           |      |
| 1,2-Dichloropropane                   | ND     | 0.50 | 0.19  | ug/L  |                                       |               |      |             |     |           |      |
| 1,3-Dichlorobenzene                   | ND     | 0.50 | 0.15  | ug/L  |                                       |               |      |             |     |           |      |
| 1,4-Dichlorobenzene                   | ND     | 0.50 | 0.072 | ug/L  |                                       |               |      |             |     |           |      |
| 2-Butanone(MEK)                       | ND     | 3.0  | 1.2   | ug/L  |                                       |               |      |             |     |           |      |
| 2-Hexanone                            | ND     | 5.0  | 1.2   | ug/L  |                                       |               |      |             |     |           |      |
| 4-Methyl-2-Pentanone(MIBK)            | ND     | 5.0  | 0.95  | ug/L  |                                       |               |      |             |     |           |      |
| Acetone                               | ND     | 5.0  | 5.0   | ug/L  |                                       |               |      |             |     |           |      |
| Benzene                               | ND     | 0.50 | 0.14  | ug/L  |                                       |               |      |             |     |           |      |
| Bromodichloromethane                  | ND     | 0.50 | 0.11  | ug/L  |                                       |               |      |             |     |           |      |
| Bromoform                             | 0.190  | 0.50 | 0.13  | ug/L  |                                       |               |      |             |     |           | J    |
| Bromomethane                          | ND     | 0.50 | 0.48  | ug/L  |                                       |               |      |             |     |           |      |
| Carbon Disulfide                      | ND     | 0.50 | 0.36  | ug/L  |                                       |               |      |             |     |           |      |
| Carbon Tetrachloride                  | ND     | 0.50 | 0.15  | ug/L  |                                       |               |      |             |     |           |      |
| Chlorobenzene                         | ND     | 0.50 | 0.23  | ug/L  |                                       |               |      |             |     |           |      |
| Chloroethane                          | ND     | 0.50 | 0.35  | ug/L  |                                       |               |      |             |     |           |      |
| Chloroform                            | ND     | 0.50 | 0.17  | ug/L  |                                       |               |      |             |     |           |      |
| Chloromethane                         | ND     | 0.50 | 0.36  | ug/L  |                                       |               |      |             |     |           |      |
| cis-1,2-Dichloroethene                | ND     | 0.50 | 0.18  | ug/L  |                                       |               |      |             |     |           |      |
| cis-1,3-Dichloropropene               | ND     | 0.50 | 0.30  | ug/L  |                                       |               |      |             |     |           |      |
| Dibromochloromethane                  | ND     | 0.50 | 0.37  | ug/L  |                                       |               |      |             |     |           |      |
| Ethylbenzene                          | ND     | 0.50 | 0.26  | ug/L  |                                       |               |      |             |     |           |      |
| Methyl tert Butyl Ether               | ND     | 5.0  | 0.29  | ug/L  |                                       |               |      |             |     |           |      |
| Methylene Chloride                    | ND     | 3.0  | 0.15  | ug/L  |                                       |               |      |             |     |           |      |
| Styrene                               | ND     | 0.50 | 0.22  | ug/L  |                                       |               |      |             |     |           |      |
| Tetrachloroethene                     | ND     | 0.50 | 0.17  | ug/L  |                                       |               |      |             |     |           |      |
| Toluene                               | ND     | 0.50 | 0.22  | ug/L  |                                       |               |      |             |     |           |      |
| trans-1,2-Dichloroethene              | ND     | 0.50 | 0.10  | ug/L  |                                       |               |      |             |     |           |      |
| trans-1,3-Dichloropropene             | ND     | 0.50 | 0.24  | ug/L  |                                       |               |      |             |     |           |      |
| Trichloroethene                       | ND     | 0.50 | 0.17  | ug/L  |                                       |               |      |             |     |           |      |



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Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
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Analytical Report: Page 7 of 12  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1809**

Report Date: 26-May-2009

Received on Ice (Y/N): Yes Temp: 16 °C

**Volatile Organic Compounds by EPA 8260B - Batch Quality Control**

| Analyte(s)                            | Result | RDL  | MDL   | Units | Spike Level | Source Result                         | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---------------------------------------|--------|------|-------|-------|-------------|---------------------------------------|------|-------------|-----|-----------|------|
| <b>Batch 9E21044 - Purge and Trap</b> |        |      |       |       |             |                                       |      |             |     |           |      |
| <b>Blank (9E21044-BLK1)</b>           |        |      |       |       |             | Prepared: 05/21/09 Analyzed: 05/22/09 |      |             |     |           |      |
| Trichlorofluoromethane                | ND     | 5.0  | 0.16  | ug/L  |             |                                       |      |             |     |           |      |
| Vinyl Acetate                         | ND     | 10   | 0.48  | ug/L  |             |                                       |      |             |     |           |      |
| Vinyl Chloride                        | ND     | 0.50 | 0.13  | ug/L  |             |                                       |      |             |     |           |      |
| Xylenes (m+p)                         | ND     | 0.50 | 0.36  | ug/L  |             |                                       |      |             |     |           |      |
| Xylenes (ortho)                       | ND     | 0.50 | 0.41  | ug/L  |             |                                       |      |             |     |           |      |
| Surrogate:<br>1,2-Dichloroethane-d4   | 92.8   |      |       | ug/L  | 100         |                                       | 92.8 | 80-124      |     |           |      |
| Surrogate:<br>Bromofluorobenzene      | 90.5   |      |       | ug/L  | 100         |                                       | 90.5 | 71-149      |     |           |      |
| Surrogate: Toluene-d8                 | 97.0   |      |       | ug/L  | 100         |                                       | 97.0 | 80-120      |     |           |      |
| <b>LCS (9E21044-BS1)</b>              |        |      |       |       |             | Prepared & Analyzed: 05/21/09         |      |             |     |           |      |
| 1,1-Dichloroethane                    | 26.0   | 0.50 | 0.098 | ug/L  | 25.0        |                                       | 104  | 76-130      |     |           |      |
| 1,1-Dichloroethene                    | 25.5   | 0.50 | 0.12  | ug/L  | 25.0        |                                       | 102  | 70-130      |     |           |      |
| 1,4-Dichlorobenzene                   | 27.3   | 0.50 | 0.072 | ug/L  | 25.0        |                                       | 109  | 79-130      |     |           |      |
| Benzene                               | 27.3   | 0.50 | 0.14  | ug/L  | 25.0        |                                       | 109  | 70-130      |     |           |      |
| Bromodichloromethane                  | 26.5   | 0.50 | 0.11  | ug/L  | 25.0        |                                       | 106  | 70-132      |     |           |      |
| Bromoform                             | 27.6   | 0.50 | 0.13  | ug/L  | 25.0        |                                       | 110  | 65-141      |     |           |      |
| Chloroform                            | 27.9   | 0.50 | 0.17  | ug/L  | 25.0        |                                       | 111  | 70-130      |     |           |      |
| Dibromochloromethane                  | 29.0   | 0.50 | 0.37  | ug/L  | 25.0        |                                       | 116  | 70-130      |     |           |      |
| Ethylbenzene                          | 25.9   | 0.50 | 0.26  | ug/L  | 25.0        |                                       | 104  | 70-136      |     |           |      |
| Methyl tert Butyl Ether               | 28.2   | 5.0  | 0.29  | ug/L  | 25.0        |                                       | 113  | 70-130      |     |           |      |
| Tetrachloroethene                     | 26.9   | 0.50 | 0.17  | ug/L  | 25.0        |                                       | 108  | 70-130      |     |           |      |
| Toluene                               | 26.8   | 0.50 | 0.22  | ug/L  | 25.0        |                                       | 107  | 70-130      |     |           |      |
| Trichloroethene                       | 27.0   | 0.50 | 0.17  | ug/L  | 25.0        |                                       | 108  | 70-130      |     |           |      |
| Vinyl Chloride                        | 26.5   | 0.50 | 0.13  | ug/L  | 25.0        |                                       | 106  | 60-130      |     |           |      |
| Xylenes (m+p)                         | 51.9   | 0.50 | 0.36  | ug/L  | 50.0        |                                       | 104  | 70-137      |     |           |      |
| Xylenes (ortho)                       | 25.7   | 0.50 | 0.41  | ug/L  | 25.0        |                                       | 103  | 70-136      |     |           |      |
| Surrogate:<br>1,2-Dichloroethane-d4   | 93.6   |      |       | ug/L  | 100         |                                       | 93.6 | 80-124      |     |           |      |
| Surrogate:<br>Bromofluorobenzene      | 89.2   |      |       | ug/L  | 100         |                                       | 89.2 | 71-149      |     |           |      |
| Surrogate: Toluene-d8                 | 98.1   |      |       | ug/L  | 100         |                                       | 98.1 | 80-120      |     |           |      |





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Analytical Report: Page 8 of 12  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1809**

Report Date: 26-May-2009

Received on Ice (Y/N): Yes Temp: 16 °C

**Volatile Organic Compounds by EPA 8260B - Batch Quality Control**

| Analyte(s)                            | Result | RDL  | MDL   | Units                                                    | Spike Level | Source Result | %REC | %REC Limits | RPD    | RPD Limit | Flag |
|---------------------------------------|--------|------|-------|----------------------------------------------------------|-------------|---------------|------|-------------|--------|-----------|------|
| <b>Batch 9E21044 - Purge and Trap</b> |        |      |       |                                                          |             |               |      |             |        |           |      |
| <b>LCS Dup (9E21044-BSD1)</b>         |        |      |       | Prepared: 05/21/09 Analyzed: 05/22/09                    |             |               |      |             |        |           |      |
| 1,1-Dichloroethane                    | 25.9   | 0.50 | 0.098 | ug/L                                                     | 25.0        |               | 104  | 76-130      | 0.616  | 20        |      |
| 1,1-Dichloroethene                    | 25.2   | 0.50 | 0.12  | ug/L                                                     | 25.0        |               | 101  | 70-130      | 1.42   | 20        |      |
| 1,4-Dichlorobenzene                   | 27.4   | 0.50 | 0.072 | ug/L                                                     | 25.0        |               | 110  | 79-130      | 0.512  | 20        |      |
| Benzene                               | 27.0   | 0.50 | 0.14  | ug/L                                                     | 25.0        |               | 108  | 70-130      | 1.03   | 20        |      |
| Bromodichloromethane                  | 26.0   | 0.50 | 0.11  | ug/L                                                     | 25.0        |               | 104  | 70-132      | 1.60   | 20        |      |
| Bromoform                             | 27.5   | 0.50 | 0.13  | ug/L                                                     | 25.0        |               | 110  | 65-141      | 0.291  | 20        |      |
| Chloroform                            | 27.4   | 0.50 | 0.17  | ug/L                                                     | 25.0        |               | 110  | 70-130      | 1.56   | 20        |      |
| Dibromochloromethane                  | 28.4   | 0.50 | 0.37  | ug/L                                                     | 25.0        |               | 114  | 70-130      | 2.05   | 20        |      |
| Ethylbenzene                          | 26.1   | 0.50 | 0.26  | ug/L                                                     | 25.0        |               | 105  | 70-136      | 0.884  | 20        |      |
| Methyl tert Butyl Ether               | 28.2   | 5.0  | 0.29  | ug/L                                                     | 25.0        |               | 113  | 70-130      | 0.0710 | 20        |      |
| Tetrachloroethene                     | 26.7   | 0.50 | 0.17  | ug/L                                                     | 25.0        |               | 107  | 70-130      | 0.672  | 20        |      |
| Toluene                               | 26.6   | 0.50 | 0.22  | ug/L                                                     | 25.0        |               | 106  | 70-130      | 0.750  | 20        |      |
| Trichloroethene                       | 26.9   | 0.50 | 0.17  | ug/L                                                     | 25.0        |               | 107  | 70-130      | 0.297  | 20        |      |
| Vinyl Chloride                        | 25.8   | 0.50 | 0.13  | ug/L                                                     | 25.0        |               | 103  | 60-130      | 2.75   | 20        |      |
| Xylenes (m+p)                         | 52.7   | 0.50 | 0.36  | ug/L                                                     | 50.0        |               | 105  | 70-137      | 1.55   | 20        |      |
| Xylenes (ortho)                       | 25.9   | 0.50 | 0.41  | ug/L                                                     | 25.0        |               | 104  | 70-136      | 0.970  | 20        |      |
| Surrogate:<br>1,2-Dichloroethane-d4   | 92.7   |      |       | ug/L                                                     | 100         |               | 92.7 | 80-124      |        |           |      |
| Surrogate:<br>Bromofluorobenzene      | 90.8   |      |       | ug/L                                                     | 100         |               | 90.8 | 71-149      |        |           |      |
| Surrogate: Toluene-d8                 | 98.3   |      |       | ug/L                                                     | 100         |               | 98.3 | 80-120      |        |           |      |
| <b>Duplicate (9E21044-DUP1)</b>       |        |      |       | Source: A9E1784-01 Prepared: 05/21/09 Analyzed: 05/22/09 |             |               |      |             |        |           |      |
| 1,1,1-Trichloroethane                 | ND     | 0.50 | 0.12  | ug/L                                                     |             | ND            |      |             |        | 40        |      |
| 1,1,2,2-Tetrachloroethane             | ND     | 0.50 | 0.29  | ug/L                                                     |             | ND            |      |             |        | 40        |      |
| 1,1,2-Trichloroethane                 | ND     | 0.50 | 0.31  | ug/L                                                     |             | ND            |      |             |        | 40        |      |
| 1,1-Dichloroethane                    | ND     | 0.50 | 0.098 | ug/L                                                     |             | ND            |      |             |        | 40        |      |
| 1,1-Dichloroethene                    | ND     | 0.50 | 0.12  | ug/L                                                     |             | ND            |      |             |        | 40        |      |
| 1,2-Dichlorobenzene                   | ND     | 0.50 | 0.20  | ug/L                                                     |             | ND            |      |             |        | 40        |      |
| 1,2-Dichloroethane                    | ND     | 0.50 | 0.21  | ug/L                                                     |             | ND            |      |             |        | 40        |      |
| 1,2-Dichloropropane                   | ND     | 0.50 | 0.19  | ug/L                                                     |             | ND            |      |             |        | 40        |      |
| 1,3-Dichlorobenzene                   | ND     | 0.50 | 0.15  | ug/L                                                     |             | ND            |      |             |        | 40        |      |
| 1,4-Dichlorobenzene                   | ND     | 0.50 | 0.072 | ug/L                                                     |             | ND            |      |             |        | 40        |      |
| 2-Butanone(MEK)                       | ND     | 3.0  | 1.2   | ug/L                                                     |             | ND            |      |             |        | 40        |      |
| 2-Hexanone                            | ND     | 5.0  | 1.2   | ug/L                                                     |             | ND            |      |             |        | 40        |      |
| 4-Methyl-2-Pentanone(MIBK)            | ND     | 5.0  | 0.95  | ug/L                                                     |             | ND            |      |             |        | 40        |      |
| Acetone                               | ND     | 5.0  | 5.0   | ug/L                                                     |             | ND            |      |             |        | 40        |      |
| Benzene                               | ND     | 0.50 | 0.14  | ug/L                                                     |             | ND            |      |             |        | 40        |      |



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Analytical Report: Page 9 of 12  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1809**

Report Date: 26-May-2009

Received on Ice (Y/N): Yes Temp: 16 °C

**Volatile Organic Compounds by EPA 8260B - Batch Quality Control**

| Analyte(s)                            | Result | RDL                       | MDL  | Units | Spike Level | Source Result      | %REC | %REC Limits        | RPD | RPD Limit | Flag |
|---------------------------------------|--------|---------------------------|------|-------|-------------|--------------------|------|--------------------|-----|-----------|------|
| <b>Batch 9E21044 - Purge and Trap</b> |        |                           |      |       |             |                    |      |                    |     |           |      |
| <b>Duplicate (9E21044-DUP1)</b>       |        | <b>Source: A9E1784-01</b> |      |       |             | Prepared: 05/21/09 |      | Analyzed: 05/22/09 |     |           |      |
| Bromodichloromethane                  | ND     | 0.50                      | 0.11 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Bromoform                             | ND     | 0.50                      | 0.13 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Bromomethane                          | ND     | 0.50                      | 0.48 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Carbon Disulfide                      | ND     | 0.50                      | 0.36 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Carbon Tetrachloride                  | ND     | 0.50                      | 0.15 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Chlorobenzene                         | ND     | 0.50                      | 0.23 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Chloroethane                          | ND     | 0.50                      | 0.35 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Chloroform                            | ND     | 0.50                      | 0.17 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Chloromethane                         | ND     | 0.50                      | 0.36 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| cis-1,2-Dichloroethene                | ND     | 0.50                      | 0.18 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| cis-1,3-Dichloropropene               | ND     | 0.50                      | 0.30 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Dibromochloromethane                  | ND     | 0.50                      | 0.37 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Ethylbenzene                          | ND     | 0.50                      | 0.26 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Methyl tert Butyl Ether               | ND     | 5.0                       | 0.29 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Methylene Chloride                    | ND     | 3.0                       | 0.15 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Styrene                               | ND     | 0.50                      | 0.22 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Tetrachloroethene                     | ND     | 0.50                      | 0.17 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Toluene                               | ND     | 0.50                      | 0.22 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| trans-1,2-Dichloroethene              | ND     | 0.50                      | 0.10 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| trans-1,3-Dichloropropene             | ND     | 0.50                      | 0.24 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Trichloroethene                       | ND     | 0.50                      | 0.17 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Trichlorofluoromethane                | ND     | 5.0                       | 0.16 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Vinyl Acetate                         | ND     | 10                        | 0.48 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Vinyl Chloride                        | ND     | 0.50                      | 0.13 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Xylenes (m+p)                         | ND     | 0.50                      | 0.36 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Xylenes (ortho)                       | ND     | 0.50                      | 0.41 | ug/L  |             | ND                 |      |                    |     | 40        |      |
| Xylenes (total)                       | ND     | 1.0                       | 0.77 | ug/L  |             | ND                 |      |                    |     | 200       |      |
| Surrogate: 1,2-Dichloroethane-d4      | 93.6   |                           |      | ug/L  | 100         |                    | 93.6 | 80-124             |     |           |      |
| Surrogate: Bromofluorobenzene         | 89.7   |                           |      | ug/L  | 100         |                    | 89.7 | 71-149             |     |           |      |
| Surrogate: Toluene-d8                 | 96.7   |                           |      | ug/L  | 100         |                    | 96.7 | 80-120             |     |           |      |





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Analytical Report: Page 10 of 12  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

**Work Order Number: A9E1809**

Report Date: 26-May-2009

Received on Ice (Y/N): Yes Temp: 16 °C

**Volatile Organic Compounds by EPA 8260B - Batch Quality Control**

| Analyte(s)                            | Result | RDL                       | MDL   | Units                     | Spike Level | Source Result             | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---------------------------------------|--------|---------------------------|-------|---------------------------|-------------|---------------------------|------|-------------|-----|-----------|------|
| <b>Batch 9E21044 - Purge and Trap</b> |        |                           |       |                           |             |                           |      |             |     |           |      |
| <b>Matrix Spike (9E21044-MS1)</b>     |        | <b>Source: A9E1809-01</b> |       | <b>Prepared: 05/21/09</b> |             | <b>Analyzed: 05/22/09</b> |      |             |     |           |      |
| 1,1-Dichloroethane                    | 27.6   | 0.50                      | 0.098 | ug/L                      | 25.0        | ND                        | 110  | 57-136      |     |           |      |
| 1,1-Dichloroethene                    | 27.8   | 0.50                      | 0.12  | ug/L                      | 25.0        | ND                        | 111  | 55-134      |     |           |      |
| 1,4-Dichlorobenzene                   | 28.3   | 0.50                      | 0.072 | ug/L                      | 25.0        | ND                        | 113  | 67-130      |     |           |      |
| Benzene                               | 28.5   | 0.50                      | 0.14  | ug/L                      | 25.0        | ND                        | 114  | 70-130      |     |           |      |
| Bromodichloromethane                  | 27.2   | 0.50                      | 0.11  | ug/L                      | 25.0        | ND                        | 109  | 55-136      |     |           |      |
| Bromoform                             | 27.8   | 0.50                      | 0.13  | ug/L                      | 25.0        | ND                        | 111  | 39-151      |     |           |      |
| Chloroform                            | 28.8   | 0.50                      | 0.17  | ug/L                      | 25.0        | ND                        | 115  | 68-133      |     |           |      |
| Dibromochloromethane                  | 29.2   | 0.50                      | 0.37  | ug/L                      | 25.0        | ND                        | 117  | 53-133      |     |           |      |
| Ethylbenzene                          | 27.4   | 0.50                      | 0.26  | ug/L                      | 25.0        | ND                        | 110  | 70-143      |     |           |      |
| Methyl tert Butyl Ether               | 26.4   | 5.0                       | 0.29  | ug/L                      | 25.0        | ND                        | 105  | 70-130      |     |           |      |
| Tetrachloroethene                     | 28.6   | 0.50                      | 0.17  | ug/L                      | 25.0        | ND                        | 115  | 63-132      |     |           |      |
| Toluene                               | 32.0   | 0.50                      | 0.22  | ug/L                      | 25.0        | 4.75                      | 109  | 70-130      |     |           |      |
| Trichloroethene                       | 28.4   | 0.50                      | 0.17  | ug/L                      | 25.0        | ND                        | 114  | 70-130      |     |           |      |
| Vinyl Chloride                        | 28.5   | 0.50                      | 0.13  | ug/L                      | 25.0        | ND                        | 114  | 60-130      |     |           |      |
| Xylenes (m+p)                         | 55.3   | 0.50                      | 0.36  | ug/L                      | 50.0        | ND                        | 111  | 70-147      |     |           |      |
| Xylenes (ortho)                       | 27.1   | 0.50                      | 0.41  | ug/L                      | 25.0        | ND                        | 108  | 69-147      |     |           |      |
| <i>Surrogate:</i>                     | 93.9   |                           |       | ug/L                      | 100         |                           | 93.9 | 80-124      |     |           |      |
| <i>1,2-Dichloroethane-d4</i>          |        |                           |       |                           |             |                           |      |             |     |           |      |
| <i>Surrogate:</i>                     | 90.3   |                           |       | ug/L                      | 100         |                           | 90.3 | 71-149      |     |           |      |
| <i>Bromofluorobenzene</i>             |        |                           |       |                           |             |                           |      |             |     |           |      |
| <i>Surrogate: Toluene-d8</i>          | 98.1   |                           |       | ug/L                      | 100         |                           | 98.1 | 80-120      |     |           |      |



**E.S.BABCOCK**&Sons, Inc.  
Environmental Laboratories *est. 1906*

Client Name: Tetra Tech, Inc. - San Bernardino  
Contact: Mark Feldman  
Address: 348 West Hospitality Lane, Suite 100  
San Bernardino, CA 92408-3216

Analytical Report: Page 11 of 12  
Project Name: Tetra-Tech Lockheed  
Project Number: [none]

Report Date: 26-May-2009

**Work Order Number: A9E1809**

Received on Ice (Y/N): Yes Temp: 16 °C

## Notes and Definitions

J Estimated value

ND: Analyte NOT DETECTED at or above the Method Detection Limit (**if MDL is reported**), otherwise at or above the Reportable Detection Limit (RDL)

NR: Not Reported

RDL: Reportable Detection Limit

MDL: Method Detection Limit

\* / (Non-NELAP): NELAP does not offer accreditation for this analyte/method/matrix combination

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## Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

*Lawrence J. Chrystal*

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Lawrence J. Chrystal

Laboratory Director

cc:

ESB\_md1\_PDF Report

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CA ELAP no. 2698  
EPA no. CA00102



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# CHAIN OF CUSTODY RECORD

SHIP TO: Babcock

**TETRA TECH, INC.**  
348 W. Hospitality Lane, Suite 100  
San Bernardino, California 92408  
Telephone: (909) 381-1574  
FAX: (909) 889-1381



DATE 5/21/09 PAGE 1 OF 1

| CLIENT: LMC |             |            |       | PROJECT NAME: 17000001 site 2 |             |                |                   | PROJECT MANAGER: Tom Villeneuve |           |      |      | TC #: 22284-090108 |      |      |      | SAMPLERS (Signatures) |      |      |      | PARAMETERS |      |      |      | TURN-AROUND TIME |      |      |      | OBSERVATIONS/COMMENTS |  |  |  |
|-------------|-------------|------------|-------|-------------------------------|-------------|----------------|-------------------|---------------------------------|-----------|------|------|--------------------|------|------|------|-----------------------|------|------|------|------------|------|------|------|------------------|------|------|------|-----------------------|--|--|--|
| LINE        | ITEM        | SAMPLE NO. | DATE  | TIME                          | MATRIX TYPE | CONTAINER TYPE | SB - Brass Sleeve | SS - Stainless Steel Sleeve     | W - Water | DATE | TIME | DATE               | TIME | DATE | TIME | DATE                  | TIME | DATE | TIME | DATE       | TIME | DATE | TIME | DATE             | TIME | DATE | TIME |                       |  |  |  |
| 1.          | IDW2-052109 | 5/21/09    | 14:55 |                               | X           |                |                   |                                 |           |      |      |                    |      |      |      |                       |      |      |      |            |      |      |      |                  |      |      |      |                       |  |  |  |
| 2.          | LTB-052109  | 5/21/09    | 14:55 |                               | X           |                |                   |                                 |           |      |      |                    |      |      |      |                       |      |      |      |            |      |      |      |                  |      |      |      |                       |  |  |  |
| 3.          |             |            |       |                               |             |                |                   |                                 |           |      |      |                    |      |      |      |                       |      |      |      |            |      |      |      |                  |      |      |      |                       |  |  |  |
| 4.          |             |            |       |                               |             |                |                   |                                 |           |      |      |                    |      |      |      |                       |      |      |      |            |      |      |      |                  |      |      |      |                       |  |  |  |
| 5.          |             |            |       |                               |             |                |                   |                                 |           |      |      |                    |      |      |      |                       |      |      |      |            |      |      |      |                  |      |      |      |                       |  |  |  |
| 6.          |             |            |       |                               |             |                |                   |                                 |           |      |      |                    |      |      |      |                       |      |      |      |            |      |      |      |                  |      |      |      |                       |  |  |  |
| 7.          |             |            |       |                               |             |                |                   |                                 |           |      |      |                    |      |      |      |                       |      |      |      |            |      |      |      |                  |      |      |      |                       |  |  |  |
| 8.          |             |            |       |                               |             |                |                   |                                 |           |      |      |                    |      |      |      |                       |      |      |      |            |      |      |      |                  |      |      |      |                       |  |  |  |
| 9.          |             |            |       |                               |             |                |                   |                                 |           |      |      |                    |      |      |      |                       |      |      |      |            |      |      |      |                  |      |      |      |                       |  |  |  |
| 10.         |             |            |       |                               |             |                |                   |                                 |           |      |      |                    |      |      |      |                       |      |      |      |            |      |      |      |                  |      |      |      |                       |  |  |  |

DISTRIBUTION: White and Pink = Tetra Tech, Inc. Canary = Laboratory

A9E180946 MAY 21 2009