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**TRANSMITTAL FORM**

DATE: March 17, 2003

1424-9C

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Eva Chu  
**Alameda County Health Care Services Agency**  
**Department of Environmental health**  
1131 Harbor Bay Parkway, 2<sup>nd</sup> Floor  
Alameda, California 94502

Subject: **1300 and 1350 Powell Street**  
**Emeryville, California**

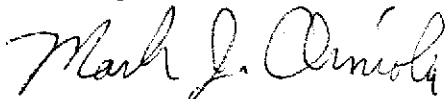
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Dear Eva,

Enclosed for your records is the soil quality evaluation report for the soil imported from the Ninth and Franklin Street site to the 1300 and 1350 Powell Street site. The tables and figures are the same as you reviewed previously. The report additionally provides hard copies of the laboratory analytical reports (Appendix B). If you have any questions, please call me at (510) 267-1970, ext. 208

Thank you,

**Lowney Associates**



Mark J. Arniola, R.G., R.E.A.  
Senior Project Geologist

**Import Soil Quality Evaluation**

Ninth Street at Franklin Street  
Oakland, California

Mar 13, 2003

This report has been prepared for:

**Pulte Home Corporation**

7031 Koll Center Parkway, Pleasanton, California 94566

March 13, 2003

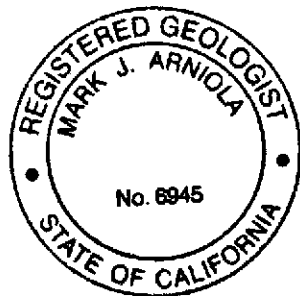
Project No. 1424-9C



Mark J. Arnola, R.G., R.E.A.  
Senior Project Geologist



For/ Peter M. Langtry, R.G., C.H.G.  
Principal Environmental Geologist



Mountain View

Fairfield

Oakland

San Ramon

Fullerton

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**IMPORT SOIL QUALITY EVALUATION  
NINTH STREET AT FRANKLIN STREET  
OAKLAND, CALIFORNIA**

**1.0 INTRODUCTION**

**1.1 Purpose**

In this report, we present the results of the soil quality evaluation performed at Ninth Street and Franklin Street (Site) in Oakland, California (Figure 1). This work was performed for Pulte Home Corporation who is evaluating the native on-Site soil for residential use at 1300 and 1350 Powell Street in Emeryville.

**1.2 Site Background**

The Site is located at the northwest corner of Ninth Street and Franklin Street in Oakland, California. Based on the information provided by your contractor (R&B Equipment, Inc.), portions of the site were previously used for a paint shop and a laundry (Harding Lawson Associates, 1993). In addition, the contractor's consultant Subsurface Consultants, Inc. (SCI) collected preliminary two discrete and 12 3-point composite soil samples from 12 test pits at the Site (Figure 2). Sample data reported by SCI for the native soil at the site is presented in Tables 1A and 1B. Concentrations of total petroleum hydrocarbons as diesel (TPHd) up to 2.6 parts per million (ppm) and lead up to 9.0 ppm were detected in the native soil on-Site.

Based on discussion with Alameda County Environmental Health staff, additional soil sampling was required in order to evaluate if the native soil is suitable for residential development. The fill soil in the upper approximately four feet at the Site was removed by R&B Equipment, Inc. and disposed off-site.

**1.3 Scope of Work**

The scope of work for this study was outlined in our agreement dated January 29, 2003 and included the following tasks.

- ✓ Collecting 34 soil samples for laboratory analysis from 34 test pits (TP-1 through TP-34).
- ✓ Preparation of this report.

**2.0 IMPORT SOIL QUALITY EVALUATION**

**2.1 Soil Sample Collection**

On January 7, 2003, and under the supervision of Senior Project Geologist Mark J. Arniola, R.G., R.E.A., Staff Environmental Engineer Veronica Tiglao used hand-sampling equipment to collect soil samples from four exploratory test pits (TP-1 through TP-4 on Figure 2). Soil samples were collected from the native soil from depths of approximately 5 to 8 feet.

We returned to the site on January 22, 2003 to collect soil samples from 30 additional test pits (TP-5 through TP-33 on Figure 2). Staff Geologist Charles Mettler, under the supervision of Senior Project Geologist Mark J. Arniola, R.G., R.E.A., collected soil samples from the 30 test pits from depths of four to 10 feet.

Soil sampling protocol is presented in Appendix A.

## 2.2 Soil Sample Analyses

Thirty-four soil samples were analyzed at a state-certified laboratory for total petroleum hydrocarbons in the gasoline (TPHg), diesel (TPHd), and motor oil (TPHmo) range; and benzene, toluene, ethylbenzene, and xylenes (BTEX) (EPA Test Method 8015M/8020). Twenty-two samples were additionally analyzed for lead, nine soil samples were analyzed for halogenated volatile organic compounds (VOCs) (EPA Test Method 8021), eight samples were analyzed for polyaromatic hydrocarbons (PAHs) (EPA Test Method 8310), and three selected samples were analyzed for PCBs (EPA Test Method 8082). The four preliminary soil samples (TP-1 through TP-4) were additionally analyzed for the remaining 17 California Assessment Manual (CAM) metals.

Analytical results are summarized in Tables 1A and 1B. Copies of the analytical reports and chain of custody documentation are presented in Appendix B.

**Table 1A. Analytical Results of Selected Soil Samples**  
(concentrations in parts per million)

Boring Number	Depth (feet)	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE
TP-3@10 (SCI)	10	NA	<1.0	<50	NA	NA	NA	NA	NA
TP-4@10 (SCI)	10	NA	2.6	<50	NA	NA	NA	NA	NA
TP-1@8 (LA)	8	<1.0	<1.0	<50	<0.005	0.005	<0.005	<0.005	<0.005
TP-2@5 (LA)	5	<1.0	<1.0	<50	<0.005	0.005	<0.005	<0.005	<0.005
TP-3@8 (LA)	8	<1.0	<1.0	<50	<0.005	0.005	<0.005	<0.005	<0.005
TP-4@5 (LA)	5	<1.0	66	<50	<0.005	0.005	<0.005	<0.005	<0.005
TP-5 (LA)	5-5½	<1.0	1.1	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-6 (LA)	7-7½	<1.0	1.5	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-7 (LA)	6-6½	<1.0	1.2	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-8 (LA)	8-8½	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-9 (LA)	4½-5	<1.0	1.6	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-10 (LA)	6-6½	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-11 (LA)	8½-9	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-12 (LA)	9½-10	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-13 (LA)	5½-6	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-14 (LA)	4½-5	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-15 (LA)	5½-6	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-15B (LA)	7½-8	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-16 (LA)	4-4½	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-17 (LA)	6-6½	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-18 (LA)	7½-8	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-19 (LA)	8½-9	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-20 (LA)	7½-8	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-21 (LA)	5½-6	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-22 (LA)	4½-5	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-23 (LA)	5½-6	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-24 (LA)	5-5½	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-25 (LA)	6½-7	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-26 (LA)	4-4½	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-27 (LA)	6½-7	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-28 (LA)	7-7½	<1.0	5.4	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-29 (LA)	5-5½	<1.0	2.8	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-30 (LA)	9-9½	<1.0	2.2	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-31 (LA)	4½-5	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-32 (LA)	4-4½	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
TP-33 (LA)	5-5½	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	NA
Residential PRG*		NE	NE	NE	0.65	520	230	210	17
Residential RBSL**		100	100	500	0.045	2.6	2.5	1.0	0.028

< Indicates that the compound was not detected at or above the stated laboratory reporting limit

\* Preliminary Remediation Goal (PRG)—EPA Region 9, 2000

\*\* Risk Based Screening Level (RBSL), CRWQCB, December 2001

NA Not Analyzed

NE Not established

**Table 1B. Analytical Results of Selected Soil Samples**  
(concentrations in parts per million)

Sample Number	Depth(feet)	PAHs	PCBs	VOCs	Arsenic	Cadmium	Lead	Mercury
TP-1@6,8,10 (SCI)	6-10	NA	NA	NA	NA	NA	3.4	NA
TP-2@6,8,10 (SCI)	6-10	NA	NA	NA	NA	NA	8.7	NA
TP-3@6,8,10 (SCI)	6-10	NA	NA	NA	NA	NA	9.0	NA
TP-4@6,8,10 (SCI)	6-10	NA	NA	NA	NA	NA	8.3	NA
TP-5@6,8,10 (SCI)	6-10	NA	NA	NA	NA	NA	2.2	NA
TP-6@6,8,10 (SCI)	6-10	NA	NA	NA	NA	NA	5.3	NA
TP-7@6,8,10 (SCI)	6-10	NA	NA	NA	NA	NA	6.9	NA
TP-8@6,8,10 (SCI)	6-10	NA	NA	NA	NA	NA	2.8	NA
TP-9@6,8,10 (SCI)	6-10	NA	NA	NA	NA	NA	3.6	NA
TP-10@6,8,10 (SCI)	6-10	NA	NA	NA	NA	NA	23	NA
TP-11@6,8,10 (SCI)	6-10	NA	NA	NA	NA	NA	4.3	NA
TP-12@6,8,10 (SCI)	6-10	NA	NA	NA	NA	NA	4.5	NA
TP-1@8 (LA)	8	ND	ND	ND	2.2 <sup>B</sup>	1.3 <sup>B</sup>	2.4 <sup>B</sup>	<0.050 <sup>B</sup>
TP-2@5 (LA)	5	NA	NA	ND	2.1 <sup>B</sup>	1.0 <sup>B</sup>	2.2 <sup>B</sup>	<0.050 <sup>B</sup>
TP-3@8 (LA)	8	ND	ND	ND	2.9 <sup>B</sup>	1.6 <sup>B</sup>	2.3 <sup>B</sup>	<0.050 <sup>B</sup>
TP-4@5 (LA)	5	0.0063 <sup>A</sup>	ND	ND	3.2 <sup>B</sup>	1.4 <sup>B</sup>	16 <sup>B</sup>	0.11 <sup>B</sup>
TP-5 (LA)	5-5½	ND	NA	NA	NA	NA	6.8	NA
TP-6 (LA)	7-7½	ND	NA	ND	NA	NA	4.5	NA
TP-7 (LA)	6-6½	ND	NA	NA	NA	NA	NA	NA
TP-8 (LA)	8-8½	NA	NA	ND	NA	NA	2.0	NA
TP-9 (LA)	4½-5	0.0791 <sup>C</sup>	NA	NA	NA	NA	NA	NA
TP-10 (LA)	6-6½	NA	NA	NA	NA	NA	2.1	NA
TP-11 (LA)	8½-9	NA	NA	NA	NA	NA	3.1	NA
TP-12 (LA)	9½-10	NA	NA	NA	NA	NA	2.3	NA
TP-13 (LA)	5½-6	NA	NA	NA	NA	NA	2.1	NA
TP-14 (LA)	4½-5	NA	NA	NA	NA	NA	8.1	NA
TP-17 (LA)	6-6½	NA	NA	NA	NA	NA	3.0	NA
TP-18 (LA)	7½-8	NA	NA	NA	NA	NA	2.2	NA
TP-19 (LA)	8½-9	NA	NA	NA	NA	NA	2.0	NA
TP-20 (LA)	7½-8	NA	NA	ND	NA	NA	NA	NA
TP-21 (LA)	5½-6	NA	NA	NA	NA	NA	3.8	NA
TP-22 (LA)	4½-5	NA	NA	NA	NA	NA	1.9	NA
TP-24 (LA)	5-5½	NA	NA	NA	NA	NA	2.2	NA
TP-26 (LA)	4-4½	NA	NA	ND	NA	NA	2.2	NA
TP-27 (LA)	6½-7	NA	NA	NA	NA	NA	2.8	NA
TP-29 (LA)	5-5½	NA	NA	ND	NA	NA	8.8	NA
TP-30 (LA)	9-9½	ND	NA	NA	NA	NA	8.0	NA
Residential PRG*		--	--	--	0.39/ 22***	9.0	400	23
Residential RBSL**		---	--	--	8.0	7.4	200	4.7

< Indicates that the compound was not detected at or above the stated laboratory reporting limit

\* Preliminary Remediation Goal (PRG)—EPA Region 9, 2000

\*\* Risk Based Screening Level (RBSL), CRWQCB, December 2001

\*\*\* Cancer endpoint/non-cancer endpoint

A PAH detected was 0.0063 ppm phenanthrene. The residential RBSL for phenanthrene = 11 ppm.

B Other CAM 17 metals were not detected above laboratory reporting limits or within typical background concentrations

C PAHs detected were 0.014 ppm phenanthrene, 0.029 ppm fluoranthene, 0.011 ppm pyrene, 0.0068 ppm chrysene, 0.0087 ppm benzo(b)fluoranthene, and 0.0096 ppm benzo(a)pyrene. The respective residential RBSLs are 11 ppm, 40 ppm, 55 ppm, 3.8 ppm, 0.38 ppm, 0.038 ppm

ND Not detected at or above laboratory reporting limits

NA Not Analyzed

RBSLs, presented in Table 1, are published by the San Francisco Bay CRWQCB to address environmental protection goals presented in the *Water Quality Control Plan for the San Francisco Bay Basin* (CRWQCB, 1995). RBSLs were developed to protect human and ecological health and to be protective of beneficial uses of ground water taking into account site-specific conditions. The presence of a chemical at a concentration above an RBSL does not necessarily indicate that adverse impacts to human health or the environment are occurring; exceeding RBSLs indicates that the potential for impacts may exist and that additional evaluation is needed.

The preliminary remediation goals (PRGs) presented in Tables 1 are risk-based concentrations developed by EPA Region 9; PRGs are for use as screening levels in determining if further evaluation is warranted, in prioritizing areas of concern, in establishing initial cleanup goals, and in estimation of potential health risks.

The PRGs are chemical concentrations that correspond to fixed levels of risk (either a cancer risk of one in one million [ $10^{-6}$ ] or a non-carcinogenic hazard quotient of one, whichever occurs at a lower concentration). These levels are based on common exposure pathways, but effects of exposure to multiple contaminants and other site specific conditions are not considered. Thus, they are not intended as a substitute for a site-specific health risk assessment. Chemical concentrations above the PRGs would not automatically designate the site as a health threat or trigger a response action. Exceeding a PRG, however, may suggest that further evaluation of potential risks is appropriate. This further evaluation may include additional sampling and/or the reassessment of the assumptions and routes of exposure that were used to develop the non-site specific PRGs.

Generally, regulatory agencies do not require cleanup below natural background concentrations. In some cases, the predictive risk-based models generate PRG and RBSL levels that lie below typical background concentrations. If natural background concentrations are higher than the risk-based PRGs or RBSLs, an adjustment of the PRG or RBSL is probably needed. An example is naturally-occurring arsenic in soils, which frequently has a higher concentration than the risk-based concentration set at a one-in-one-million cancer risk (the PRG for residential soils is 0.39 mg/kg.). The CRWQCB considers arsenic concentrations below 8 ppm to be representative of local background concentrations. Therefore, arsenic concentrations below 8 ppm would be considered acceptable for use on residential sites.

### **3.0 CONCLUSIONS AND RECOMMENDATIONS**

#### **3.1 Soil Quality Evaluation**

Laboratory analyses of 34 soil samples did not detect TPHg, TPHmo, benzene, toluene, ethylbenzene, MTBE, VOCs, or PCBs above laboratory reporting limits.

TPHd (up to 66 ppm) was detected at low concentrations (below the RBSL). These residual petroleum hydrocarbon concentrations would be expected to naturally degrade over time. PAHs (up to 0.014 ppm) also were detected, but at concentrations well below their respective RBSLs.

Metals were either not detected above laboratory reporting limits or were detected at concentrations consistent with typical background levels and did not exceed residential PRGs or RBSLs. Based on the laboratory results, additional sampling for pesticides or metals does not appear required.



Based on the laboratory analyses of the soil samples collected and correspondence from ACEH dated January 27, 2003, the soil appears acceptable for residential use.

**4.0 LIMITATIONS**

This report was prepared for the sole use of Pulte Home Corporation in evaluating soil quality at Ninth Street and Franklin Street at the time of this study. We make no warranty, expressed or implied, except that our services have been performed in accordance with environmental principles generally accepted at this time and location. The chemical and other data presented in this report can change over time and are applicable only to the time this study was performed. We are not responsible for the data presented by others.

The accuracy and reliability of geo- or hydro-chemical studies are a reflection of the number and type of samples taken and extent of the analyses conducted, and are thus inherently limited and dependent upon the resources expended. Chemical analyses were performed for specific parameters during this investigation, as detailed in the scope of services. Please note that additional constituents not analyzed for during this evaluation may be present in soil and ground water at the site. Our sampling and analytical plan was designed using accepted environmental principles and our judgment for the performance of a soil quality evaluation and was based on the degree of investigation approved by you. It is possible to obtain a greater degree of certainty, if desired, by implementing a more rigorous soil and ground water sampling program or evaluating the risk posed by the contaminants detected, if any.

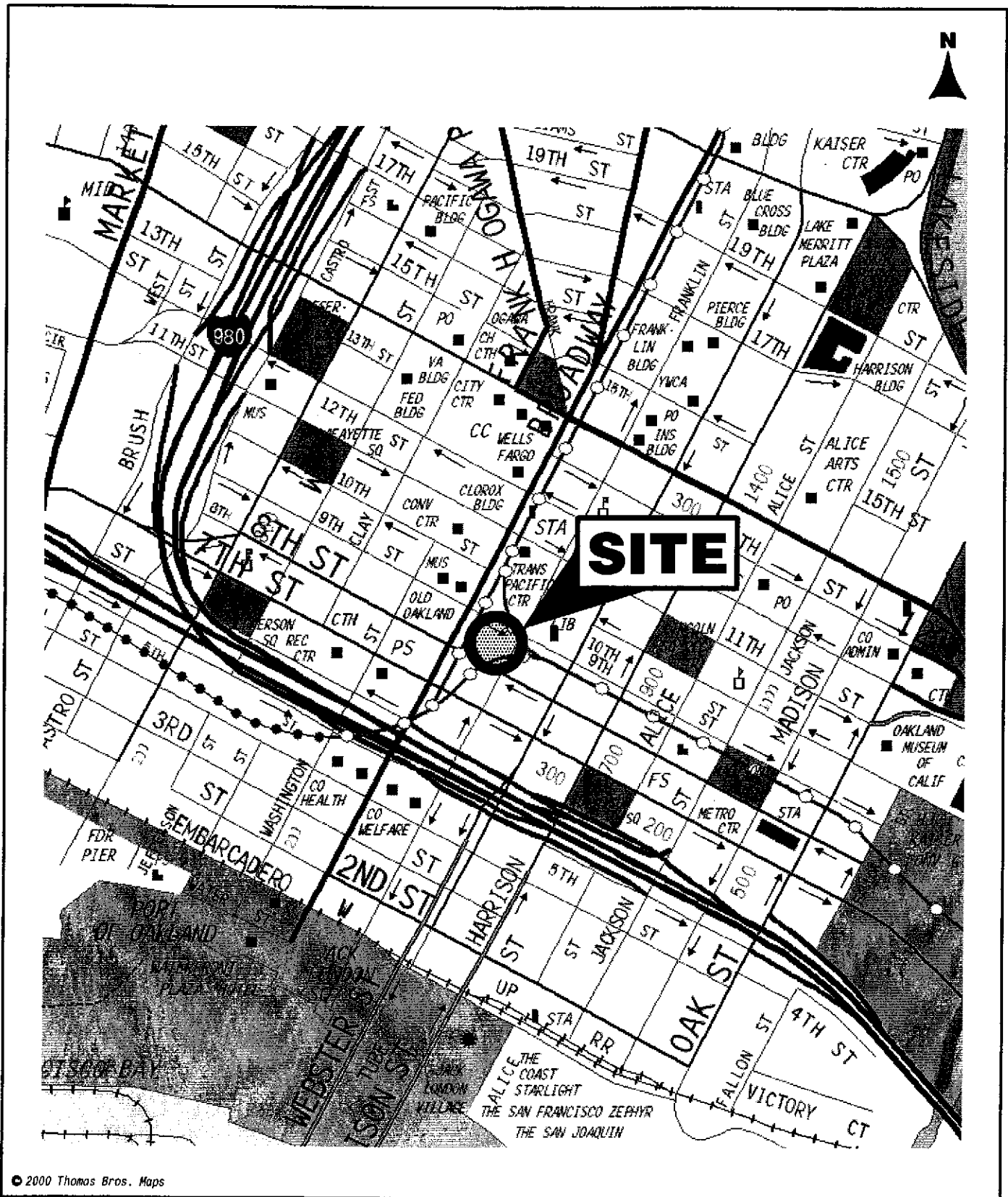
**5.0 REFERENCES**

Boerngen, Josephine G. and Hansford T. Shacklette. 1981. *Chemical Analyses of Soils and Other Surficial Materials of the Conterminous United States.*

Scott, Christina M. December 1991. *Background Metal Concentrations in Soils in Northern Santa Clara County, California.*

Harding Lawson Associates, November 11, 1993. *Preliminary Soil Characterization, Oakland Broadway Block, Chinatown Redevelopment Project Area, Oakland, California.*

\* \* \* \* \*



© 2000 Thomas Bros. Maps

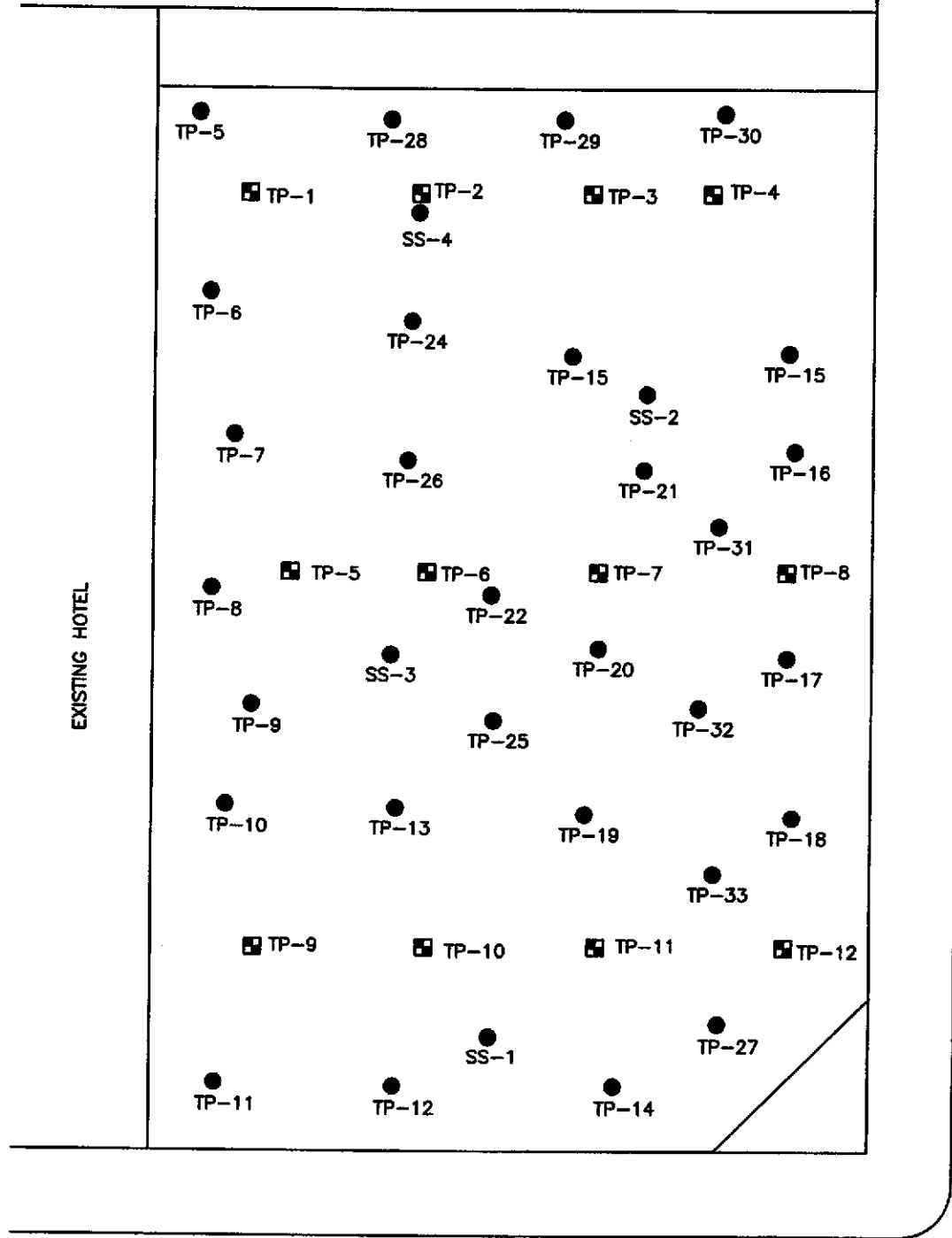
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**VICINITY MAP**  
**9TH AND FRANKLIN STREET SITE**  
 Oakland, California

**LOVNEY ASSOCIATES**  
 Environmental/Geotechnical/Engineering Services

**FIGURE 1**  
 1424-9C

EXISTING OFFICE BUILDING



EXISTING HOTEL

FRANKLIN STREET

9th STREET

**LEGEND**

- ▣ - Approximate location of test pit by SCI
- - Approximate location of soil sample by Lowney Associates



Base by SCI dated 11/02.

01/03/VT

**SITE PLAN**

9th and Franklin Street Site  
Oakland, California

**APPENDIX A  
SOIL SAMPLING PROTOCOL**

Soil samples for laboratory analysis were collected in brass liners using hand-sampling equipment. The ends of the liners were covered in aluminum foil or Teflon film, fitted with plastic end caps, taped, and labeled with a unique identification number. The samples were then placed in an ice- chilled cooler, and transported to a state-certified analytical laboratory with chain of custody documentation.

All sampling equipment was cleaned in a solution of laboratory grade detergent and distilled water or steam cleaned before use at each sampling point.

**APPENDIX B  
ANALYTICAL RESULTS**

The chilled samples were delivered to a state-certified analytical laboratory. Chain of custody documentation was maintained for all samples. Attached are copies of the analytical results and the chain of custody forms.

Lowney &amp; Associates Oakland

January 13, 2003

167 Filbert Street  
Oakland, Ca 94607

Attn.: Mark Arniola

Project#: 1424-9C

Project: Powell Street

Dear Mr. Arniola,

Attached is our report for your samples received on 01/08/2003 12:50

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 02/22/2003 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: [vvancil@stl-inc.com](mailto:vvancil@stl-inc.com)

Sincerely,

Vincent Vancil  
Project Manager

## Halogenated Volatile Organic Compounds by 8021B/8260B

Lowney &amp; Associates Oakland

Attn.: Mark Arniola

167 Filbert Street  
Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 01/08/2003 12:50

## Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
TP-1@8'	01/07/2003 13:20	Soil	2
TP-2@5'	01/07/2003 13:50	Soil	3
TP-3@8'	01/07/2003 14:15	Soil	6
TP-4@5'	01/07/2003 14:25	Soil	7

**Halogenated Volatile Organic Compounds by 8021B/8260B**

Lowney & Associates Oakland  
Attn.: Mark Arniola  
  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972  
Project: 1424-9C  
Powell Street

Received: 01/08/2003 12:50

Prep(s): 5030B/5035 Test(s): 8260B  
Sample ID: TP-1@B Lab ID: 2003-01-0094 - 2  
Sampled: 01/07/2003 13:20 Extracted: 1/8/2003 19:06  
Matrix: Soil QC Batch#: 2003/01/08-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	01/08/2003 19:06	
Vinyl chloride	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
Chloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
Methylene chloride	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
Chloroform	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
Trichloroethene	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
2-Chloroethylvinyl ether	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
Chlorobenzene	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
Bromoform	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
Chloromethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	
Bromomethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:06	

Severn Trent Laboratories, Inc.  
STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1098 \* www.stl-inc.com \* CA DHS ELAP# 2496

01/13/2003 14:37

**Halogenated Volatile Organic Compounds by 8021B/8260B**

Lowney & Associates Oakland  
Attn.: Mark Arniola  
  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972  
Project: 1424-9C  
Powell Street

Received: 01/08/2003 12:50

Prep(s): 5030B/5035 Test(s): 8260B  
Sample ID: TP-1@B Lab ID: 2003-01-0094 - 2  
Sampled: 01/07/2003 13:20 Extracted: 1/8/2003 19:06  
Matrix: Soil QC Batch#: 2003/01/08-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
<b>Surrogates(s)</b>						
4-Bromofluorobenzene	95.2	74-121	%	1.00	01/08/2003 19:06	
1,2-Dichloroethane-d4	106.5	70-121	%	1.00	01/08/2003 19:06	
Toluene-d8	99.6	81-117	%	1.00	01/08/2003 19:06	

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**Halogenated Volatile Organic Compounds by 8021B/8260B**

Lowney & Associates Oakland  
Attn.: Mark Arniola  
  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972  
  
Project: 1424-9C  
Powell Street

Received: 01/08/2003 12:50

Prep(s): 5030B/5035 Test(s): 8260B  
Sample ID: TP-2@5 Lab ID: 2003-01-0094 - 3  
Sampled: 01/07/2003 13:50 Extracted: 1/8/2003 19:42  
Matrix: Soil QC Batch#: 2003/01/08-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	01/08/2003 19:42	
Vinyl chloride	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
Chloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
Methylene chloride	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
Chloroform	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
Trichloroethene	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
2-Chloroethylvinyl ether	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
Chlorobenzene	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
Bromoform	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
Chloromethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	
Bromomethane	ND	5.0	ug/Kg	1.00	01/08/2003 19:42	

**Halogenated Volatile Organic Compounds by 8021B/8260B**

Lowney & Associates Oakland  
Attn.: Mark Arniola  
  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972  
  
Project: 1424-9C  
Powell Street

Received: 01/08/2003 12:50

Prep(s): 5030B/5035 Test(s): 8260B  
Sample ID: TP-2@5 Lab ID: 2003-01-0094 - 3  
Sampled: 01/07/2003 13:50 Extracted: 1/8/2003 19:42  
Matrix: Soil QC Batch#: 2003/01/08-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
<b>Surrogates(s)</b>						
4-Bromofluorobenzene	90.8	74-121	%	1.00	01/08/2003 19:42	
1,2-Dichloroethane-d4	103.0	70-121	%	1.00	01/08/2003 19:42	
Toluene-d8	101.8	81-117	%	1.00	01/08/2003 19:42	



## Halogenated Volatile Organic Compounds by 8021B/8260B

Lowney &amp; Associates Oakland

Attn.: Mark Amiola

167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972Project: 1424-9C  
Powell Street

Received: 01/08/2003 12:50

Prep(s): 5030B/5035 Test(s): 8260B  
Sample ID: TP-3@8 Lab ID: 2003-01-0094 - 6  
Sampled: 01/07/2003 14:15 Extracted: 1/8/2003 20:18  
Matrix: Soil QC Batch#: 2003/01/08-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	01/08/2003 20:18	
Vinyl chloride	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
Chloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
Methylene chloride	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
Chloroform	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
Trichloroethene	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
2-Chloroethylvinyl ether	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
Chlorobenzene	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
Bromoform	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
Chloromethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	
Bromomethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:18	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
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01/13/2003 14:37

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## Halogenated Volatile Organic Compounds by 8021B/8260B

Lowney &amp; Associates Oakland

Attn.: Mark Amiola

167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972Project: 1424-9C  
Powell Street

Received: 01/08/2003 12:50

Prep(s): 5030B/5035 Test(s): 8260B  
Sample ID: TP-3@8 Lab ID: 2003-01-0094 - 6  
Sampled: 01/07/2003 14:15 Extracted: 1/8/2003 20:18  
Matrix: Soil QC Batch#: 2003/01/08-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
<i>Surrogates(s)</i>						
4-Bromofluorobenzene	94.3	74-121	%	1.00	01/08/2003 20:18	
1,2-Dichloroethane-d4	100.7	70-121	%	1.00	01/08/2003 20:18	
Toluene-d8	100.3	81-117	%	1.00	01/08/2003 20:18	

Severn Trent Laboratories, Inc.

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Page 7 of 12

Halogenated Volatile Organic Compounds by 8021B/8260B

Lowney & Associates Oakland  
Attn.: Mark Amiola

167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 01/08/2003 12:50

Prep(s): 5030B/5035 Test(s): 8260B  
Sample ID: TP-4@5 Lab ID: 2003-01-0094 - 7  
Sampled: 01/07/2003 14:25 Extracted: 1/8/2003 20:54  
Matrix: Soil QC Batch#: 2003/01/08-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	01/08/2003 20:54	
Vinyl chloride	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
Chloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
Methylene chloride	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
Chloroform	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
Trichloroethene	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
2-Chloroethylvinyl ether	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
Chlorobenzene	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
Bromoform	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
Chloromethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	
Bromomethane	ND	5.0	ug/Kg	1.00	01/08/2003 20:54	

Halogenated Volatile Organic Compounds by 8021B/8260B

Lowney & Associates Oakland  
Attn.: Mark Amiola

167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 01/08/2003 12:50

Prep(s): 5030B/5035 Test(s): 8260B  
Sample ID: TP-4@5 Lab ID: 2003-01-0094 - 7  
Sampled: 01/07/2003 14:25 Extracted: 1/8/2003 20:54  
Matrix: Soil QC Batch#: 2003/01/08-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
<b>Surrogates(s)</b>						
4-Bromofluorobenzene	94.8	74-121	%	1.00	01/08/2003 20:54	
1,2-Dichloroethane-d4	103.3	70-121	%	1.00	01/08/2003 20:54	
Toluene-d8	101.1	81-117	%	1.00	01/08/2003 20:54	

**Halogenated Volatile Organic Compounds by 8021B/8260B**

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Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 01/08/2003 12:50

**Batch QC Report**

Prep(s): 5035 Test(s): 8260B  
Method: Blank Soil QC Batch # 2003/01/08-01-06  
MB: 2003/01/08-01-06-005 Date Extracted: 01/08/2003 13:40

Compound	Conc.	RL	Unit	Analyzed	Flag
Bromodichloromethane	ND	5.0	ug/Kg	01/08/2003 13:40	
Bromoform	ND	5.0	ug/Kg	01/08/2003 13:40	
Bromomethane	ND	10	ug/Kg	01/08/2003 13:40	
Carbon tetrachloride	ND	5.0	ug/Kg	01/08/2003 13:40	
Chlorobenzene	ND	5.0	ug/Kg	01/08/2003 13:40	
Chloroethane	ND	10	ug/Kg	01/08/2003 13:40	
2-Chloroethylvinyl ether	ND	50	ug/Kg	01/08/2003 13:40	
Chloroform	ND	5.0	ug/Kg	01/08/2003 13:40	
Chloromethane	ND	10	ug/Kg	01/08/2003 13:40	
Dibromochloromethane	ND	5.0	ug/Kg	01/08/2003 13:40	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	01/08/2003 13:40	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	01/08/2003 13:40	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	01/08/2003 13:40	
Dichlorodifluoromethane	ND	10	ug/Kg	01/08/2003 13:40	
1,1-Dichloroethane	ND	5.0	ug/Kg	01/08/2003 13:40	
1,2-Dichloroethane	ND	5.0	ug/Kg	01/08/2003 13:40	
1,1-Dichloroethene	ND	5.0	ug/Kg	01/08/2003 13:40	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	01/08/2003 13:40	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	01/08/2003 13:40	
1,2-Dichloropropane	ND	5.0	ug/Kg	01/08/2003 13:40	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	01/08/2003 13:40	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	01/08/2003 13:40	
Methylene chloride	ND	10.0	ug/Kg	01/08/2003 13:40	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	01/08/2003 13:40	
Tetrachloroethene	ND	5.0	ug/Kg	01/08/2003 13:40	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	01/08/2003 13:40	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	01/08/2003 13:40	
Trichloroethene	ND	5.0	ug/Kg	01/08/2003 13:40	
Trichlorofluoromethane	ND	5.0	ug/Kg	01/08/2003 13:40	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	01/08/2003 13:40	

Severn Trent Laboratories, Inc.  
STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2498

01/13/2003 14:37

**Halogenated Volatile Organic Compounds by 8021B/8260B**

Lowney & Associates Oakland  
Attn.: Mark Arniola

167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 01/08/2003 12:50

**Batch QC Report**

Prep(s): 5035 Test(s): 8260B  
Method: Blank Soil QC Batch # 2003/01/08-01-06  
MB: 2003/01/08-01-06-005 Date Extracted: 01/08/2003 13:40

Compound	Conc.	RL	Unit	Analyzed	Flag
Vinyl chloride	ND	5.0	ug/Kg	01/08/2003 13:40	
4-Bromofluorobenzene	93.0	74-121	%	01/08/2003 13:40	
1,2-Dichloroethane-d4	103.9	70-121	%	01/08/2003 13:40	
Toluene-d8	100.9	81-117	%	01/08/2003 13:40	

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**Halogenated Volatile Organic Compounds by 8021B/8260B**

Lowney & Associates Oakland

Attn.: Mark Amiola

167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 01/08/2003 12:50

**Batch QC Report**

Prep(s): 5035

Test(s): 8280B

Laboratory Control Spike

Soil

QC Batch # 2003/01/08-01.06

LCS 2003/01/08-01.06-003

Extracted: 01/08/2003

Analyzed: 01/08/2003 12:28

LCSD 2003/01/08-01.06-004

Extracted: 01/08/2003

Analyzed: 01/08/2003 13:04

Compound	Conc.		Exp. Conc.	Recovery		RPD %	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Chlorobenzene	81.2	87.9	100.0	81.2	87.9	7.9	61-121	20		
1,1-Dichloroethene	96.9	109	100.0	96.9	109.0	11.8	65-125	20		
Trichloroethene	85.1	91.6	100.0	85.1	91.6	7.4	74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	460	455	500	92.0	91.0		74-121			
1,2-Dichloroethane-d4	507	500	500	101.4	100.0		70-121			
Toluene-d8	498	497	500	99.6	99.4		81-117			

**Polynuclear Aromatic Hydrocarbons (PNA)**

Lowney & Associates Oakland

Attn.: Mark Amiola

167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 01/08/2003 12:50

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TP-1@8	01/07/2003 13:20	Soil	2
TP-3@8	01/07/2003 14:15	Soil	6
TP-4@5	01/07/2003 14:25	Soil	7

## Polynuclear Aromatic Hydrocarbons (PNA)

Lowney & Associates Oakland  
Attn.: Mark Amiola

167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 01/08/2003 12:50

Prep(s): 3550/8310 Test(s): 8310  
Sample ID: TP-1@8 Lab ID: 2003-01-0094 - 2  
Sampled: 01/07/2003 13:20 Extracted: 1/8/2003 14:59  
Matrix: Soil QC Batch#: 2003/01/08-01-18

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	15	ug/Kg	1.00	01/09/2003 14:13	
Acenaphthylene	ND	10	ug/Kg	1.00	01/09/2003 14:13	
Acenaphthene	ND	10	ug/Kg	1.00	01/09/2003 14:13	
Fluorene	ND	5.0	ug/Kg	1.00	01/09/2003 14:13	
Phenanthrene	ND	5.0	ug/Kg	1.00	01/09/2003 14:13	
Anthracene	ND	5.0	ug/Kg	1.00	01/09/2003 14:13	
Fluoranthene	ND	5.0	ug/Kg	1.00	01/09/2003 14:13	
Pyrene	ND	5.0	ug/Kg	1.00	01/09/2003 14:13	
Benzo(a)anthracene	ND	5.0	ug/Kg	1.00	01/09/2003 14:13	
Chrysene	ND	5.0	ug/Kg	1.00	01/09/2003 14:13	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	1.00	01/09/2003 14:13	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	1.00	01/09/2003 14:13	
Benzo(a)pyrene	ND	5.0	ug/Kg	1.00	01/09/2003 14:13	
Dibenzo(a,h)anthracene	ND	10	ug/Kg	1.00	01/09/2003 14:13	
Benzo(g,h,i)perylene	ND	10	ug/Kg	1.00	01/09/2003 14:13	
Indeno(1,2,3-cd)pyrene	ND	10	ug/Kg	1.00	01/09/2003 14:13	
<b>Surrogates(s)</b>						
1-Methyl naphthalene	97.9	50-150	%	1.00	01/09/2003 14:13	

## Polynuclear Aromatic Hydrocarbons (PNA)

Lowney & Associates Oakland  
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Project: 1424-9C  
Powell Street

Received: 01/08/2003 12:50

Prep(s): 3550/8310 Test(s): 8310  
Sample ID: TP-3@8 Lab ID: 2003-01-0094 - 6  
Sampled: 01/07/2003 14:15 Extracted: 1/8/2003 14:59  
Matrix: Soil QC Batch#: 2003/01/08-01-18

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	15	ug/Kg	1.00	01/09/2003 14:32	
Acenaphthylene	ND	10	ug/Kg	1.00	01/09/2003 14:32	
Acenaphthene	ND	10	ug/Kg	1.00	01/09/2003 14:32	
Fluorene	ND	5.0	ug/Kg	1.00	01/09/2003 14:32	
Phenanthrene	ND	5.0	ug/Kg	1.00	01/09/2003 14:32	
Anthracene	ND	5.0	ug/Kg	1.00	01/09/2003 14:32	
Fluoranthene	ND	5.0	ug/Kg	1.00	01/09/2003 14:32	
Pyrene	ND	5.0	ug/Kg	1.00	01/09/2003 14:32	
Benzo(a)anthracene	ND	5.0	ug/Kg	1.00	01/09/2003 14:32	
Chrysene	ND	5.0	ug/Kg	1.00	01/09/2003 14:32	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	1.00	01/09/2003 14:32	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	1.00	01/09/2003 14:32	
Benzo(a)pyrene	ND	5.0	ug/Kg	1.00	01/09/2003 14:32	
Dibenzo(a,h)anthracene	ND	10	ug/Kg	1.00	01/09/2003 14:32	
Benzo(g,h,i)perylene	ND	10	ug/Kg	1.00	01/09/2003 14:32	
Indeno(1,2,3-cd)pyrene	ND	10	ug/Kg	1.00	01/09/2003 14:32	
<b>Surrogates(s)</b>						
1-Methyl naphthalene	83.5	50-150	%	1.00	01/09/2003 14:32	

Polynuclear Aromatic Hydrocarbons (PNA)

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Project: 1424-9C  
Powell Street

Received: 01/08/2003 12:50

Prep(s): 3550/8310 Test(s): 8310  
Sample ID: TP-4@5 Lab ID: 2003-01-0094 - 7  
Sampled: 01/07/2003 14:25 Extracted: 1/8/2003 14:59  
Matrix: Soil QC Batch#: 2003/01/08-01.18

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	15	ug/Kg	1.00	01/09/2003 14:51	
Acenaphthylene	ND	10	ug/Kg	1.00	01/09/2003 14:51	
Acenaphthene	ND	10	ug/Kg	1.00	01/09/2003 14:51	
Fluorene	ND	5.0	ug/Kg	1.00	01/09/2003 14:51	
Phenanthrene	8.3	5.0	ug/Kg	1.00	01/09/2003 14:51	
Anthracene	ND	5.0	ug/Kg	1.00	01/09/2003 14:51	
Fluoranthene	ND	5.0	ug/Kg	1.00	01/09/2003 14:51	
Pyrene	ND	5.0	ug/Kg	1.00	01/09/2003 14:51	
Benzo(a)anthracene	ND	5.0	ug/Kg	1.00	01/09/2003 14:51	
Chrysene	ND	5.0	ug/Kg	1.00	01/09/2003 14:51	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	1.00	01/09/2003 14:51	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	1.00	01/09/2003 14:51	
Benzo(a)pyrene	ND	5.0	ug/Kg	1.00	01/09/2003 14:51	
Dibenzo(a,h)anthracene	ND	10	ug/Kg	1.00	01/09/2003 14:51	
Benzo(g,h,i)perylene	ND	10	ug/Kg	1.00	01/09/2003 14:51	
Indeno(1,2,3-cd)pyrene	ND	10	ug/Kg	1.00	01/09/2003 14:51	
Surrogates(s)						
1-Methyl naphthalene	94.8	50-150	%	1.00	01/09/2003 14:51	

Polynuclear Aromatic Hydrocarbons (PNA)

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Project: 1424-9C  
Powell Street

Received: 01/08/2003 12:50

Batch QC Report

Prep(s): 3550/8310 Test(s): 8310  
Method Blank Soil QC Batch # 2003/01/08-01.18  
MB: 2003/01/08-01.18-001 Date Extracted: 01/08/2003 14:59

Compound	Conc.	RL	Unit	Analyzed	Flag
Naphthalene	ND	15.0	ug/Kg	01/09/2003 12:55	
Acenaphthylene	ND	10	ug/Kg	01/09/2003 12:55	
Acenaphthene	ND	10	ug/Kg	01/09/2003 12:55	
Fluorene	ND	5.0	ug/Kg	01/09/2003 12:55	
Phenanthrene	ND	5.0	ug/Kg	01/09/2003 12:55	
Anthracene	ND	5.0	ug/Kg	01/09/2003 12:55	
Fluoranthene	ND	5.0	ug/Kg	01/09/2003 12:55	
Pyrene	ND	5.0	ug/Kg	01/09/2003 12:55	
Benzo(a)anthracene	ND	5.0	ug/Kg	01/09/2003 12:55	
Chrysene	ND	5.0	ug/Kg	01/09/2003 12:55	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	01/09/2003 12:55	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	01/09/2003 12:55	
Benzo(a)pyrene	ND	5.0	ug/Kg	01/09/2003 12:55	
Dibenzo(a,h)anthracene	ND	10.0	ug/Kg	01/09/2003 12:55	
Benzo(g,h,i)perylene	ND	10.0	ug/Kg	01/09/2003 12:55	
Indeno(1,2,3-cd)pyrene	ND	10.0	ug/Kg	01/09/2003 12:55	
Surrogates(s)					
1-Methyl naphthalene	91.5	50-150	%	01/09/2003 12:55	

**Polynuclear Aromatic Hydrocarbons (PNA)**

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Powell Street

Received: 01/08/2003 12:50

**Batch QC Report**

Prep(s): 3550/8310 Test(s): 8310  
  
Laboratory Control Spike Soil QC Batch # 2003/01/08-01:18  
LCS 2003/01/08-01.18-002 Extracted: 01/08/2003 Analyzed: 01/09/2003 12:57  
LCSD 2003/01/08-01.18-003 Extracted: 01/08/2003 Analyzed: 01/09/2003 13:18

Compound	Conc. ug/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Naphthalene	129	126	200	64.5	63.0	2.4	50-150	35		
Phenanthrene	170	173	200	85.0	88.5	1.7	50-150	35		
Pyrene	160	165	200	80.0	82.5	3.1	50-150	35		
Chrysene	183	179	200	91.5	89.5	2.2	50-150	35		
Benzo(a)pyrene	137	137	200	68.5	68.5	0.0	50-150	35		
<b>Surrogate(s)</b>										
1-Methyl naphthalene	13.4	13.3	15	89.5	88.8		50-150	0		

**Polynuclear Aromatic Hydrocarbons (PNA)**

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Powell Street

Received: 01/08/2003 12:50

**Batch QC Report**

Prep(s): 3550/8310 Test(s): 8310  
  
Matrix Spike ( MS / MSD ) Soil QC Batch # 2003/01/08-01:18  
TP-1 @ 8 >> MS Lab ID: 2003-01-0094 - 002  
MS: 2003/01/08-01.18-004 Extracted: 01/08/2003 Analyzed: 01/09/2003 13:35  
Dilution: 1.00  
MSD: 2003/01/08-01.18-005 Extracted: 01/08/2003 Analyzed: 01/10/2003 13:54  
Dilution: 1.00

Compound	Conc. ug/Kg		Spk Level	Recovery			Limits %		Flags	
	MS	MSD		MS	MSD	RPD	Rec.	RPD	MS	MSD
Naphthalene	125	140	ND	198	63.1	70.4	10.9	50-150	35	
Phenanthrene	166	176	ND	198	83.8	88.4	5.3	50-150	35	
Pyrene	157	167	ND	198	78.3	83.8	5.6	50-150	35	
Chrysene	185	173	ND	198	83.3	86.9	4.2	50-150	35	
Benzo(a)pyrene	134	152	ND	198	67.7	76.4	12.1	50-150	35	
<b>Surrogate(s)</b>										
1-Methyl naphthalene	13.5	14.4		15	90.2	95.8		50-150	0	

**CAM 17 Metals**

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Received: 01/09/2003 12:50

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab.#
TP-1@8'	01/07/2003 13:20	Soil	2
TP-2@5'	01/07/2003 13:50	Soil	3
TP-3@8'	01/07/2003 14:15	Soil	6
TP-4@5'	01/07/2003 14:25	Soil	7

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Powell Street

Received: 01/08/2003 12:50

Prep(s): 3050B 7471A	Test(s): 6010B 7471A
Sample ID: TP-1@8'	Lab ID: 2003-01-0094 - 2
Sampled: 01/07/2003 13:20	Extracted: 1/8/2003 19:21 1/8/2003 19:16
Matrix: Soil	QC Batch#: 2003/01/08-01.16 2003/01/08-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	01/09/2003 09:37	
Arsenic	2.2	1.0	mg/Kg	1.00	01/09/2003 09:37	
Barium	33	1.0	mg/Kg	1.00	01/09/2003 09:37	
Beryllium	ND	0.50	mg/Kg	1.00	01/09/2003 09:37	
Cadmium	1.3	0.50	mg/Kg	1.00	01/09/2003 09:37	
Chromium	35	1.0	mg/Kg	1.00	01/09/2003 09:37	
Cobalt	3.7	1.0	mg/Kg	1.00	01/09/2003 09:37	
Copper	15	1.0	mg/Kg	1.00	01/09/2003 09:37	
Lead	2.4	1.0	mg/Kg	1.00	01/09/2003 09:37	
Molybdenum	ND	1.0	mg/Kg	1.00	01/09/2003 09:37	
Nickel	28	1.0	mg/Kg	1.00	01/09/2003 09:37	
Selenium	ND	2.0	mg/Kg	1.00	01/09/2003 09:37	
Silver	ND	1.0	mg/Kg	1.00	01/09/2003 09:37	
Thallium	ND	1.0	mg/Kg	1.00	01/09/2003 09:37	
Vanadium	23	1.0	mg/Kg	1.00	01/09/2003 09:37	
Zinc	27	1.0	mg/Kg	1.00	01/09/2003 09:37	
Mercury	ND	0.050	mg/Kg	1.00	01/09/2003 12:52	



**CAM 17 Metals**

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Received: 01/08/2003 12:50

Prep(s): 3050B Test(s): 6010B  
7471A 7471A  
Sample ID: TP-2@5 Lab ID: 2003-01-0094 - 3  
Sampled: 01/07/2003 13:50 Extracted: 1/8/2003 19:21  
1/8/2003 19:16  
Matrix: Soil QC Batch#: 2003/01/08-01.16  
2003/01/08-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	01/09/2003 09:41	
Arsenic	2.1	1.0	mg/Kg	1.00	01/09/2003 09:41	
Barium	28	1.0	mg/Kg	1.00	01/09/2003 09:41	
Beryllium	ND	0.50	mg/Kg	1.00	01/09/2003 09:41	
Cadmium	1.0	0.50	mg/Kg	1.00	01/09/2003 09:41	
Chromium	28	1.0	mg/Kg	1.00	01/09/2003 09:41	
Cobalt	3.6	1.0	mg/Kg	1.00	01/09/2003 09:41	
Copper	9.7	1.0	mg/Kg	1.00	01/09/2003 09:41	
Lead	2.2	1.0	mg/Kg	1.00	01/09/2003 09:41	
Molybdenum	ND	1.0	mg/Kg	1.00	01/09/2003 09:41	
Nickel	15	1.0	mg/Kg	1.00	01/09/2003 09:41	
Selenium	ND	2.0	mg/Kg	1.00	01/09/2003 09:41	
Silver	ND	1.0	mg/Kg	1.00	01/09/2003 09:41	
Thallium	ND	1.0	mg/Kg	1.00	01/09/2003 09:41	
Vanadium	23	1.0	mg/Kg	1.00	01/09/2003 09:41	
Zinc	18	1.0	mg/Kg	1.00	01/09/2003 09:41	
Mercury	ND	0.050	mg/Kg	1.00	01/09/2003 12:53	

01/13/2003 14:18

**CAM 17 Metals**

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Powell Street

Received: 01/08/2003 12:50

Prep(s): 3050B Test(s): 6010B  
7471A 7471A  
Sample ID: TP-3@8 Lab ID: 2003-01-0094 - 6  
Sampled: 01/07/2003 14:15 Extracted: 1/8/2003 19:21  
1/8/2003 19:16  
Matrix: Soil QC Batch#: 2003/01/08-01.16  
2003/01/08-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	01/09/2003 09:44	
Arsenic	2.9	1.0	mg/Kg	1.00	01/09/2003 09:44	
Barium	39	1.0	mg/Kg	1.00	01/09/2003 09:44	
Beryllium	ND	0.50	mg/Kg	1.00	01/09/2003 09:44	
Cadmium	1.6	0.50	mg/Kg	1.00	01/09/2003 09:44	
Chromium	43	1.0	mg/Kg	1.00	01/09/2003 09:44	
Cobalt	5.3	1.0	mg/Kg	1.00	01/09/2003 09:44	
Copper	15	1.0	mg/Kg	1.00	01/09/2003 09:44	
Lead	2.3	1.0	mg/Kg	1.00	01/09/2003 09:44	
Molybdenum	ND	1.0	mg/Kg	1.00	01/09/2003 09:44	
Nickel	31	1.0	mg/Kg	1.00	01/09/2003 09:44	
Selenium	ND	2.0	mg/Kg	1.00	01/09/2003 09:44	
Silver	ND	1.0	mg/Kg	1.00	01/09/2003 09:44	
Thallium	ND	1.0	mg/Kg	1.00	01/09/2003 09:44	
Vanadium	29	1.0	mg/Kg	1.00	01/09/2003 09:44	
Zinc	26	1.0	mg/Kg	1.00	01/09/2003 09:44	
Mercury	ND	0.050	mg/Kg	1.00	01/09/2003 12:54	

01/13/2003 14:18

**CAM 17 Metals**

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Received: 01/08/2003 12:50

Prep(s): 3050B Test(s): 6010B  
7471A 7471A  
Sample ID: TP-4@5 Lab ID: 2003-01-0094 - 7  
Sampled: 01/07/2003 14:25 Extracted: 1/8/2003 19:21  
1/8/2003 19:16  
Matrix: Soil QC Batch#: 2003/01/08-01.16  
2003/01/08-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	01/09/2003 09:48	
Arsenic	3.2	1.0	mg/Kg	1.00	01/09/2003 09:48	
Barium	53	1.0	mg/Kg	1.00	01/09/2003 09:48	
Beryllium	ND	0.50	mg/Kg	1.00	01/09/2003 09:48	
Cadmium	1.4	0.50	mg/Kg	1.00	01/09/2003 09:48	
Chromium	39	1.0	mg/Kg	1.00	01/09/2003 09:48	
Cobalt	4.4	1.0	mg/Kg	1.00	01/09/2003 09:48	
Copper	25	1.0	mg/Kg	1.00	01/09/2003 09:48	
Lead	16	1.0	mg/Kg	1.00	01/09/2003 09:48	
Molybdenum	ND	1.0	mg/Kg	1.00	01/09/2003 09:48	
Nickel	30	1.0	mg/Kg	1.00	01/09/2003 09:48	
Selenium	ND	2.0	mg/Kg	1.00	01/09/2003 09:48	
Silver	ND	1.0	mg/Kg	1.00	01/09/2003 09:48	
Thallium	ND	1.0	mg/Kg	1.00	01/09/2003 09:48	
Vanadium	23	1.0	mg/Kg	1.00	01/09/2003 09:48	
Zinc	41	1.0	mg/Kg	1.00	01/09/2003 09:48	
Mercury	0.11	0.050	mg/Kg	1.00	01/09/2003 12:58	

**CAM 17 Metals**

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Powell Street

Received: 01/08/2003 12:50

**Batch QC Report**  
Prep(s): 7471A Test(s): 7471A  
Method Blank Soil QC Batch # 2003/01/08-01.16  
MB: 2003/01/08-01.16-011 Date Extracted: 01/09/2003 19:21

Compound	Conc.	RL	Unit	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	01/09/2003 12:29	

**CAM 17 Metals**

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Powell Street

Received: 01/08/2003 12:50

**Batch QC Report**

Prep(s): 3050B Test(s): 6010B  
Method Blank Soil QC Batch # 2003/01/08-04.15  
MB: 2003/01/08-04.15-025 Date Extracted: 01/08/2003 19:16

Compound	Conc.	RL	Unit	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	01/09/2003 08:03	
Arsenic	ND	1.0	mg/Kg	01/09/2003 08:03	
Barium	ND	1.0	mg/Kg	01/09/2003 08:03	
Beryllium	ND	0.50	mg/Kg	01/09/2003 08:03	
Cadmium	ND	0.50	mg/Kg	01/09/2003 08:03	
Chromium	ND	1.0	mg/Kg	01/09/2003 08:03	
Cobalt	ND	1.0	mg/Kg	01/09/2003 08:03	
Copper	ND	1.0	mg/Kg	01/09/2003 08:03	
Lead	ND	1.0	mg/Kg	01/09/2003 08:03	
Molybdenum	ND	1.0	mg/Kg	01/09/2003 08:03	
Nickel	ND	1.0	mg/Kg	01/09/2003 08:03	
Selenium	ND	2.0	mg/Kg	01/09/2003 08:03	
Silver	ND	1.0	mg/Kg	01/09/2003 08:03	
Thallium	ND	1.0	mg/Kg	01/09/2003 08:03	
Vanadium	ND	1.0	mg/Kg	01/09/2003 08:03	
Zinc	ND	1.0	mg/Kg	01/09/2003 08:03	

**CAM 17 Metals**

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Powell Street

Received: 01/08/2003 12:50

**Batch QC Report**

Prep(s): 7471A Test(s): 7471A  
Laboratory Control Spike Soil QC Batch # 2003/01/08-01.16

LCS 2003/01/08-01.16-012 Extracted: 01/08/2003 Analyzed: 01/09/2003 12:30  
LCSD 2003/01/08-01.16-013 Extracted: 01/08/2003 Analyzed: 01/09/2003 12:31

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Mercury	0.544	0.541	0.500	108.8	108.2	0.6	85-115	20		

**CAM 17 Metals**

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**Batch QC Report**

Prep(s): 3050B Test(s): 6010B  
  
Laboratory Control Spike Soil QC Batch # 2003/01/08-04.15  
LCS 2003/01/08-04.15-026 Extracted: 01/08/2003 Analyzed: 01/09/2003 08:07  
LCSD 2003/01/08-04.15-027 Extracted: 01/08/2003 Analyzed: 01/09/2003 08:10

Compound	Conc. mg/Kg		Exp Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Antimony	93.6	96.5	100.0	93.6	96.5	3.1	80-120	20		
Arsenic	93.8	96.5	100.0	93.8	96.5	2.8	80-120	20		
Barium	94.3	96.0	100.0	94.3	96.0	1.8	80-120	20		
Beryllium	95.0	96.7	100.0	95.0	96.7	1.8	80-120	20		
Cadmium	94.2	95.8	100.0	94.2	95.8	1.7	80-120	20		
Chromium	94.1	95.7	100.0	94.1	95.7	1.7	80-120	20		
Cobalt	93.3	94.9	100.0	93.3	94.9	1.7	80-120	20		
Copper	95.9	97.5	100.0	95.9	97.5	1.7	80-120	20		
Lead	93.9	96.8	100.0	93.9	96.6	2.8	80-120	20		
Molybdenum	95.0	96.9	100.0	95.0	96.9	2.0	80-120	20		
Nickel	94.1	95.7	100.0	94.1	95.7	1.7	80-120	20		
Selenium	93.6	96.4	100.0	93.6	96.4	2.9	80-120	20		
Silver	94.6	96.2	100.0	94.6	96.2	1.7	80-120	20		
Thallium	90.6	93.6	100.0	90.6	93.6	3.3	80-120	20		
Vanadium	96.4	98.1	100.0	96.4	98.1	1.7	80-120	20		
Zinc	94.2	95.8	100.0	94.2	95.8	1.7	80-120	20		

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TP-1@8'	01/07/2003 13:20	Soil	2
TP-3@8'	01/07/2003 14:16	Soil	6
TP-4@5'	01/07/2003 14:25	Soil	7

**PCBs**

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Prep(s): 3550/8082 Test(s): 8082  
Sample ID: TP-1@8 Lab ID: 2003-01-0094 - 2  
Sampled: 01/07/2003 13:20 Extracted: 1/8/2003 09:42  
Matrix: Soil QC Batch#: 2003/01/08-01.14

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Aroclor 1016	ND	50	ug/Kg	1.00	01/10/2003 02:40	
Aroclor 1221	ND	50	ug/Kg	1.00	01/10/2003 02:40	
Aroclor 1232	ND	50	ug/Kg	1.00	01/10/2003 02:40	
Aroclor 1242	ND	50	ug/Kg	1.00	01/10/2003 02:40	
Aroclor 1248	ND	50	ug/Kg	1.00	01/10/2003 02:40	
Aroclor 1254	ND	50	ug/Kg	1.00	01/10/2003 02:40	
Aroclor 1260	ND	50	ug/Kg	1.00	01/10/2003 02:40	
<b>Surrogates(s)</b>						
2,4,5,6-Tetrachloro-m-xylene	80.4	50-125	%	1.00	01/10/2003 02:40	
Decachlorobiphenyl (PCB/8082)	76.9	46-142	%	1.00	01/10/2003 02:40	

**PCBs**

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Received: 01/08/2003 12:50

Prep(s): 3550/8082 Test(s): 8082  
Sample ID: TP-3@8 Lab ID: 2003-01-0094 - 6  
Sampled: 01/07/2003 14:15 Extracted: 1/8/2003 09:42  
Matrix: Soil QC Batch#: 2003/01/08-01.14

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Aroclor 1016	ND	50	ug/Kg	1.00	01/10/2003 03:00	
Aroclor 1221	ND	50	ug/Kg	1.00	01/10/2003 03:00	
Aroclor 1232	ND	50	ug/Kg	1.00	01/10/2003 03:00	
Aroclor 1242	ND	50	ug/Kg	1.00	01/10/2003 03:00	
Aroclor 1248	ND	50	ug/Kg	1.00	01/10/2003 03:00	
Aroclor 1254	ND	50	ug/Kg	1.00	01/10/2003 03:00	
Aroclor 1260	ND	50	ug/Kg	1.00	01/10/2003 03:00	
<b>Surrogates(s)</b>						
2,4,5,6-Tetrachloro-m-xylene	79.7	50-125	%	1.00	01/10/2003 03:00	
Decachlorobiphenyl (PCB/8082)	80.3	46-142	%	1.00	01/10/2003 03:00	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1086 \* www.stl-inc.com \* CA DHS ELAP# 2496

01/10/2003 12:22

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1086 \* www.stl-inc.com \* CA DHS ELAP# 2496

01/10/2003 12:22

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Received: 01/08/2003 12:50

Prep(s): 3550/8082 Test(s): 8082  
Sample ID: TP-4@5 Lab ID: 2003-01-0094 -7  
Sampled: 01/07/2003 14:25 Extracted: 1/8/2003 09:42  
Matrix: Soil QC Batch#: 2003/01/08-01.14

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Aroclor 1016	ND	50	ug/Kg	1.00	01/10/2003 03:19	
Aroclor 1221	ND	50	ug/Kg	1.00	01/10/2003 03:19	
Aroclor 1232	ND	50	ug/Kg	1.00	01/10/2003 03:19	
Aroclor 1242	ND	50	ug/Kg	1.00	01/10/2003 03:19	
Aroclor 1248	ND	50	ug/Kg	1.00	01/10/2003 03:19	
Aroclor 1254	ND	50	ug/Kg	1.00	01/10/2003 03:19	
Aroclor 1260	ND	50	ug/Kg	1.00	01/10/2003 03:19	
<b>Surrogates(s)</b>						
2,4,5,6-Tetrachloro-m-xylene	41.6	50-125	%	1.00	01/10/2003 03:19	s
Decachlorobiphenyl (PCB/8082)	68.2	46-142	%	1.00	01/10/2003 03:19	

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**Batch QC Report**

Prep(s): 3550/8082 Test(s): 8082  
**Method Blank** Soil **QC Batch # 2003/01/08-01.14**  
MB: 2003/01/08-01.14-001 Date Extracted: 01/08/2003 09:42

Compound	Conc.	RL	Unit	Analyzed	Flag
Aroclor 1016	ND	50	ug/Kg	01/08/2003 17:27	
Aroclor 1221	ND	50	ug/Kg	01/08/2003 17:27	
Aroclor 1232	ND	50	ug/Kg	01/08/2003 17:27	
Aroclor 1242	ND	50	ug/Kg	01/08/2003 17:27	
Aroclor 1248	ND	50	ug/Kg	01/08/2003 17:27	
Aroclor 1254	ND	50	ug/Kg	01/08/2003 17:27	
Aroclor 1260	ND	50	ug/Kg	01/08/2003 17:27	
<b>Surrogates(s)</b>					
2,4,5,6-Tetrachloro-m-xylene	98.2	50-125	%	01/08/2003 17:27	
Decachlorobiphenyl (PCB/8082)	95.4	46-142	%	01/08/2003 17:27	

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**Batch QC Report**

Prep(s): 3550/8082 Test(s): 8082

**Laboratory Control Spike**                      **Soil**                      **QC Batch # 2003/01/08-01.14**  
LCS 2003/01/08-01.14-002                      Extracted: 01/08/2003                      Analyzed: 01/09/2003 15:57  
LCSD 2003/01/08-01.14-003                      Extracted: 01/08/2003                      Analyzed: 01/09/2003 15:37

Compound	Conc.		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		ug/Kg	LCS		LCSD	%	Rec.	RPD
Aroclor 1016	58.5	60.5	66.4	88.1	91.1	3.3	65-135	30		
Aroclor 1260	58.9	61.6	66.4	88.7	92.8	4.5	65-135	30		
<b>Surrogates(s)</b>										
2,4,5,6-Tetrachloro-m-xylene	42.3	43.8	50	84.5	87.6		50-125	0		
Decachlorobiphenyl	42.0	45.1	50	84.1	90.1		46-142	0		

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**Legend and Notes**

**Result Flag**

5  
One surrogate recovery out of control, but second surrogate within QC limits confirms test performance.

**Gas/BTEX Compounds by 8015M/8021**

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**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TP-1@8'	01/07/2003 13:20	Soil	2
TP-2@5'	01/07/2003 13:50	Soil	3
TP-3@8'	01/07/2003 14:15	Soil	6
TP-4@5'	01/07/2003 14:25	Soil	7

**Gas/BTEX Compounds by 8015M/8021**

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Received: 01/08/2003 12:50

Prep(s): 5035	Test(s): 8015M					
5035	8021B					
Sample ID: TP-1@8'	Lab ID: 2003-01-0094 - 2					
Sampled: 01/07/2003 13:20	Extracted: 1/10/2003 12:55					
Matrix: Soil	QC Batch#: 2003/01/10-01.02					
Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/10/2003 12:55	
Benzene	ND	0.0050	mg/Kg	1.00	01/10/2003 12:55	
Toluene	ND	0.0050	mg/Kg	1.00	01/10/2003 12:55	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/10/2003 12:55	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/10/2003 12:55	
MTBE	ND	0.0050	mg/Kg	1.00	01/10/2003 12:55	
<b>Surrogates(s)</b>						
Trifluorotoluene	102.5	53-125	%	1.00	01/10/2003 12:55	
4-Bromofluorobenzene-FID	90.1	58-124	%	1.00	01/10/2003 12:55	



**Gas/BTEX Compounds by 8015M/8021**

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Received: 01/08/2003 12:50

Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-2@5 Lab ID: 2003-01-0094 - 3  
Sampled: 01/07/2003 13:50 Extracted: 1/10/2003 15:32  
Matrix: Soil QC Batch#: 2003/01/10-01.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/10/2003 15:32	
Benzene	ND	0.0050	mg/Kg	1.00	01/10/2003 15:32	
Toluene	ND	0.0050	mg/Kg	1.00	01/10/2003 15:32	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/10/2003 15:32	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/10/2003 15:32	
MTBE	ND	0.0050	mg/Kg	1.00	01/10/2003 15:32	
<b>Surrogates(s)</b>						
Trifluorotoluene	100.5	53-125	%	1.00	01/10/2003 15:32	
4-Bromofluorobenzene-FID	89.8	58-124	%	1.00	01/10/2003 15:32	

**Gas/BTEX Compounds by 8015M/8021**

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Received: 01/08/2003 12:50

Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-3@8 Lab ID: 2003-01-0094 - 6  
Sampled: 01/07/2003 14:15 Extracted: 1/10/2003 18:48  
Matrix: Soil QC Batch#: 2003/01/10-01.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/10/2003 18:48	
Benzene	ND	0.0050	mg/Kg	1.00	01/10/2003 18:48	
Toluene	ND	0.0050	mg/Kg	1.00	01/10/2003 18:48	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/10/2003 18:48	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/10/2003 18:48	
MTBE	ND	0.0050	mg/Kg	1.00	01/10/2003 18:48	
<b>Surrogates(s)</b>						
Trifluorotoluene	96.3	53-125	%	1.00	01/10/2003 18:48	
4-Bromofluorobenzene-FID	85.8	58-124	%	1.00	01/10/2003 18:48	

Gas/BTEX Compounds by 8015M/8021

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Received: 01/08/2003 12:50

Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-405 Lab ID: 2003-01-0094 - 7  
Sampled: 01/07/2003 14:25 Extracted: 1/10/2003 16:04  
Matrix: Soil QC Batch#: 2003/01/10-01-02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/10/2003 16:04	
Benzene	ND	0.0050	mg/Kg	1.00	01/10/2003 16:04	
Toluene	ND	0.0050	mg/Kg	1.00	01/10/2003 16:04	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/10/2003 16:04	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/10/2003 16:04	
MTBE	ND	0.0050	mg/Kg	1.00	01/10/2003 16:04	
<i>Surrogates(s)</i>						
Trifluorotoluene	86.9	53-125	%	1.00	01/10/2003 16:04	
4-Bromofluorobenzene-FID	78.8	58-124	%	1.00	01/10/2003 16:04	

Gas/BTEX Compounds by 8015M/8021

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Received: 01/08/2003 12:50

Batch QC Report

Prep(s): 5035 Test(s): 8015M  
Method: Blank Soil QC Batch # 2003/01/10-01-02  
MB: 2003/01/10-01-02-005 Date Extracted: 01/10/2003 09:16

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	01/10/2003 09:16	
Benzene	ND	0.0050	mg/Kg	01/10/2003 09:16	
Toluene	ND	0.0050	mg/Kg	01/10/2003 09:16	
Ethyl benzene	ND	0.0050	mg/Kg	01/10/2003 09:16	
Xylene(s)	ND	0.0050	mg/Kg	01/10/2003 09:16	
MTBE	ND	0.0050	mg/Kg	01/10/2003 09:16	
<i>Surrogates(s)</i>					
Trifluorotoluene	110.7	53-125	%	01/10/2003 09:16	
4-Bromofluorobenzene-FID	93.7	58-124	%	01/10/2003 09:16	

**Gas/BTEX Compounds by 8015M/8021**

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Received: 01/08/2003 12:50

**Batch QC Report**

Prep(s): 5035 Test(s): 8015M

**Laboratory Control Spike**                      **Soil**                      **QC Batch # 2003/01/10-01-02**  
LCS 2003/01/10-01-02-006                      Extracted: 01/10/2003                      Analyzed: 01/10/2003 09:49  
LCSD 2003/01/10-01-02-007                      Extracted: 01/10/2003                      Analyzed: 01/10/2003 10:22

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Gasoline	0.487	0.473	0.50	97.4	94.6	2.9	75-125	35		
Surrogates(s) 4-Bromofluorobenzene-FID	483	471	500	98.6	94.2		58-124			

**Gas/BTEX Compounds by 8015M/8021**

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Received: 01/08/2003 12:50

**Batch QC Report**

Prep(s): 5035 Test(s): 8021B

**Laboratory Control Spike**                      **Soil**                      **QC Batch # 2003/01/10-01-02**  
LCS 2003/01/10-01-02-008                      Extracted: 01/10/2003                      Analyzed: 01/10/2003 10:55  
LCSD 2003/01/10-01-02-009                      Extracted: 01/10/2003                      Analyzed: 01/10/2003 11:28

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	0.0974	0.103	0.1000	97.4	103.0	5.6	77-123	35		
Toluene	0.0952	0.100	0.1000	85.2	100.0	4.9	78-122	35		
Ethyl benzene	0.0916	0.0963	0.1000	91.6	96.3	5.0	70-130	35		
Xylene(s)	0.278	0.295	0.300	92.7	98.3	5.9	75-125	35		
Surrogates(s) Trifluorotoluene	472	485	500	94.4	99.0		53-125			

TEPH w/ Silica Gel Clean-up

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Project: 1424-9C  
Powell Street

Received: 01/08/2003 12:50

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
TP-1@8'	01/07/2003 13:20	Soil	2
TP-2@5'	01/07/2003 13:50	Soil	3
TP-3@8'	01/07/2003 14:15	Soil	6
TP-4@5'	01/07/2003 14:25	Soil	7

TEPH w/ Silica Gel Clean-up

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Powell Street

Received: 01/08/2003 12:50

Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: TP-1@8' Lab ID: 2003-01-0094 - 2  
Sampled: 01/07/2003 13:20 Extracted: 1/8/2003 05:41  
Matrix: Soil QC Batch#: 2003/01/08-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/09/2003 16:50	
Motor Oil	ND	50	mg/Kg	1.00	01/09/2003 16:50	
Surrogates(s)						
o-Terphenyl	71.7	60-130	%	1.00	01/09/2003 16:50	

**TEPH w/ Silica Gel Clean-up**

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Project: 1424-9C  
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Received: 01/08/2003 12:50

Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: TP-2@5 Lab ID: 2003-01-0094 - 3  
Sampled: 01/07/2003 13:50 Extracted: 1/8/2003 05:41  
Matrix: Soil QC Batch#: 2003/01/08-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/09/2003 17:29	
Motor Oil	ND	50	mg/Kg	1.00	01/09/2003 17:29	
<b>Surrogates(s)</b>						
o-Terphenyl	73.3	60-130	%	1.00	01/09/2003 17:29	

**TEPH w/ Silica Gel Clean-up**

Lowney & Associates Oakland

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Project: 1424-9C  
Powell Street

Received: 01/09/2003 12:50

Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: TP-3@3 Lab ID: 2003-01-0094 - 6  
Sampled: 01/07/2003 14:15 Extracted: 1/8/2003 05:41  
Matrix: Soil QC Batch#: 2003/01/08-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/09/2003 18:20	
Motor Oil	ND	50	mg/Kg	1.00	01/09/2003 18:20	
<b>Surrogates(s)</b>						
o-Terphenyl	67.5	60-130	%	1.00	01/09/2003 18:20	

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland  
Attn.: Mark Arniola  
  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972  
  
Project: 1424-9C  
Powell Street

Received: 01/08/2003 12:50

Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: TP-4@5 Lab ID: 2003-01-0094 - 7  
Sampled: 01/07/2003 14:25 Extracted: 1/8/2003 05:41  
Matrix: Soil QC Batch#: 2003/01/08-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	66	1.0	mg/Kg	1.00	01/09/2003 18:57	
Motor Oil	ND	50	mg/Kg	1.00	01/09/2003 18:57	
<b>Surrogates(s)</b>						
o-Terphenyl	91.2	60-130	%	1.00	01/09/2003 18:57	

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland  
Attn.: Mark Arniola  
  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972  
  
Project: 1424-9C  
Powell Street

Received: 01/08/2003 12:50

**Batch QC Report**  
  
Prep(s): 3550/8015M Test(s): 8015M  
Method Blank Soil QC Batch # 2003/01/08-02.10  
MB: 2003/01/08-02.10-003 Date Extracted: 01/08/2003 05:41

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	01/08/2003 23:09	
Motor Oil	ND	50	mg/Kg	01/08/2003 23:09	
<b>Surrogates(s)</b>					
o-Terphenyl	71.5	60-130	%	01/08/2003 23:09	



STL

STL San Francisco

Sample Receipt Checklist

Submission #: 2003-01-0094

Checklist completed by: (initials) MV Date: 1/8/03

Courier name:  STL San Francisco  Client

Custody seals intact on shipping container/samples Yes  No  Not Present

Chain of custody present? Yes  No

Chain of custody signed when relinquished and received? Yes  No

Chain of custody agrees with sample labels? Yes  No

Samples in proper container/bottle? Yes  No

Sample containers intact? Yes  No

Sufficient sample volume for indicated test? Yes  No

All samples received within holding time? Yes  No

Container/Temp Blank temperature in compliance ( $4^{\circ}\text{C} \pm 2$ )? Temp: 4.3°C Yes  No

Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~ O), M (medium ~ O) or L (large ~ O))

Water - pH acceptable upon receipt?  Yes  No

pH adjusted - Preservative used:  HNO<sub>3</sub>  HCl  H<sub>2</sub>SO<sub>4</sub>  NaOH  ZnOAc

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments: Extra samples rec'd: MW-1, MW-2, MW-3, MW-4  
(soils-sampled 12/4/02) - put on hold

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/03

Client contacted:  Yes  No

Summary of discussion:

Corrective Action (per PM/Client):



Lowney &amp; Associates Oakland

January 30, 2003

167 Filbert Street  
Oakland, Ca 94607  
Attn.: Mark Arniola  
Project#: 1424-9C  
Project: Powell Street

Dear Mr. Arniola,

Attached is our report for your samples received on 01/22/2003 18:20  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
03/08/2003 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,  
please call me at (925) 484-1919.

You can also contact me via email. My email address is: [vvancil@stl-inc.com](mailto:vvancil@stl-inc.com)

Sincerely,



Vincent Vancil  
Project Manager

## Halogenated Volatile Organic Compounds by 8021B/8260B

Lowney &amp; Associates Oakland

Attn.: Mark Arniola

167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

## Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
TP-6	01/22/2003	Soil	2
TP-8	01/22/2003	Soil	4
TP-20	01/22/2003	Soil	17
TP-26	01/22/2003	Soil	23
TP-29	01/22/2003	Soil	28

**Halogenated Volatile Organic Compounds by 8021B/8260B**

Lowney & Associates Oakland  
Attn.: Mark Amiola  
  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972  
Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 5030B/5035 Test(s): 8260B  
Sample ID: TP-6 Lab ID: 2003-01-0382 - 2  
Sampled: 01/22/2003 Extracted: 1/23/2003 14:28  
Matrix: Soil QC Batch#: 2003/01/23-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	01/23/2003 14:28	
Vinyl chloride	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
Chloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
Methylene chloride	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
Chloroform	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
Trichloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
2-Chloroethylvinyl ether	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
Chlorobenzene	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
Bromoform	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
Chloromethane	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	
Bromomethane	ND	5.0	ug/Kg	1.00	01/23/2003 14:28	

Severn Trent Laboratories, Inc.  
STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

01/23/2003 16:56

**Halogenated Volatile Organic Compounds by 8021B/8260B**

Lowney & Associates Oakland  
Attn.: Mark Amiola  
  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972  
Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 5030B/5035 Test(s): 8260B  
Sample ID: TP-6 Lab ID: 2003-01-0382 - 2  
Sampled: 01/22/2003 Extracted: 1/23/2003 14:28  
Matrix: Soil QC Batch#: 2003/01/23-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
<b>Surrogates(s)</b>						
4-Bromofluorobenzene	89.9	74-121	%	1.00	01/23/2003 14:28	
1,2-Dichloroethane-d4	94.2	70-121	%	1.00	01/23/2003 14:28	
Toluene-d8	94.9	81-117	%	1.00	01/23/2003 14:28	

Severn Trent Laboratories, Inc.  
STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

01/23/2003 16:56

## Halogenated Volatile Organic Compounds by 8021B/8260B

Lowney &amp; Associates Oakland

Attn.: Mark Arniola

167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 5030B/6035 Test(s): 8260B  
Sample ID: TP-8 Lab ID: 2003-01-0382 - 4  
Sampled: 01/22/2003 Extracted: 1/23/2003 15:00  
Matrix: Soil QC Batch#: 2003/01/23-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	01/23/2003 15:00	
Vinyl chloride	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
Chloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
Methylene chloride	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
Chloroform	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
Trichloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
2-Chloroethylvinyl ether	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
Chlorobenzene	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
Bromoform	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
Chloromethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	
Bromomethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:00	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1086 \* www.stl-inc.com \* CA DHS ELAP# 2496

01/23/2003 16:56

Page 4 of 14

## Halogenated Volatile Organic Compounds by 8021B/8260B

Lowney &amp; Associates Oakland

Attn.: Mark Arniola

167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 5030B/5035 Test(s): 8260B  
Sample ID: TP-8 Lab ID: 2003-01-0382 - 4  
Sampled: 01/22/2003 Extracted: 1/23/2003 15:00  
Matrix: Soil QC Batch#: 2003/01/23-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
<b>Surrogates(s)</b>						
4-Bromofluorobenzene	96.4	74-121	%	1.00	01/23/2003 15:00	
1,2-Dichloroethane-d4	95.9	70-121	%	1.00	01/23/2003 15:00	
Toluene-d8	94.1	81-117	%	1.00	01/23/2003 15:00	

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1086 \* www.stl-inc.com \* CA DHS ELAP# 2496

01/23/2003 16:56

Page 5 of 14

**Halogenated Volatile Organic Compounds by 8021B/8260B**

Lowney & Associates Oakland  
Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 5030B/5035 Test(s): 8260B  
Sample ID: TP-20 Lab ID: 2003-01-0382 - 17  
Sampled: 01/22/2003 Extracted: 1/23/2003 15:26  
Matrix: Soil QC Batch#: 2003/01/23-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	01/23/2003 15:26	
Vinyl chloride	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
Chloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
Methylene chloride	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
Chloroform	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
Trichloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
2-Chloroethylvinyl ether	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
Chlorobenzene	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
Bromoform	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
Chloromethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	
Bromomethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:26	

Severn Trent Laboratories, Inc.  
STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

01/23/2003 16:55

**Halogenated Volatile Organic Compounds by 8021B/8260B**

Lowney & Associates Oakland  
Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 5030B/5035 Test(s): 8260B  
Sample ID: TP-20 Lab ID: 2003-01-0382 - 17  
Sampled: 01/22/2003 Extracted: 1/23/2003 15:26  
Matrix: Soil QC Batch#: 2003/01/23-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
<b>Surrogates(s)</b>						
4-Bromofluorobenzene	91.8	74-121	%	1.00	01/23/2003 15:26	
1,2-Dichloroethane-d4	92.6	70-121	%	1.00	01/23/2003 15:26	
Toluene-d8	97.9	81-117	%	1.00	01/23/2003 15:26	

Severn Trent Laboratories, Inc.  
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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

01/23/2003 16:55

**Halogenated Volatile Organic Compounds by 8021B/8260B**

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 5030B/5035 Test(s): 8260B  
Sample ID: TP-26 Lab ID: 2003-01-0382 - 23  
Sampled: 01/22/2003 Extracted: 1/23/2003 15:51  
Matrix: Soil QC Batch#: 2003/01/23-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	01/23/2003 15:51	
Vinyl chloride	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
Chloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
Methylene chloride	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
Chloroform	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
Trichloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
2-Chloroethylvinyl ether	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
Chlorobenzene	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
Bromoform	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
Chloromethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	
Bromomethane	ND	5.0	ug/Kg	1.00	01/23/2003 15:51	

**Halogenated Volatile Organic Compounds by 8021B/8260B**

Lowney & Associates Oakland

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Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 5030B/5035 Test(s): 8260B  
Sample ID: TP-26 Lab ID: 2003-01-0382 - 23  
Sampled: 01/22/2003 Extracted: 1/23/2003 15:51  
Matrix: Soil QC Batch#: 2003/01/23-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
<b>Surrogates(s)</b>						
4-Bromofluorobenzene	93.7	74-121	%	1.00	01/23/2003 15:51	
1,2-Dichloroethane-d4	94.0	70-121	%	1.00	01/23/2003 15:51	
Toluene-d8	97.2	81-117	%	1.00	01/23/2003 15:51	

**Halogenated Volatile Organic Compounds by 8021B/8260B**

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Project: 1424-9C  
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Received: 01/22/2003 18:20

Prep(s): 5030B/5035 Test(s): 8260B  
Sample ID: TP-29 Lab ID: 2003-01-0382 - 26  
Sampled: 01/22/2003 Extracted: 1/23/2003 16:17  
Matrix: Soil QC Batch#: 2003/01/23-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	01/23/2003 16:17	
Vinyl chloride	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
Chloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
Methylene chloride	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
Chloroform	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
Trichloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
2-Chloroethylvinyl ether	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
Chlorobenzene	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
Bromoform	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
Chloromethane	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	
Bromomethane	ND	5.0	ug/Kg	1.00	01/23/2003 16:17	

Severn Trent Laboratories, Inc.  
STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1086 \* www.stl-inc.com \* CA DHS ELAP# 2496

01/23/2003 16:56

**Halogenated Volatile Organic Compounds by 8021B/8260B**

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Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 5030B/5035 Test(s): 8260B  
Sample ID: TP-29 Lab ID: 2003-01-0382 - 26  
Sampled: 01/22/2003 Extracted: 1/23/2003 16:17  
Matrix: Soil QC Batch#: 2003/01/23-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
<b>Surrogates(s)</b>						
4-Bromofluorobenzene	89.9	74-121	%	1.00	01/23/2003 16:17	
1,2-Dichloroethane-d4	91.1	70-121	%	1.00	01/23/2003 16:17	
Toluene-d8	95.6	81-117	%	1.00	01/23/2003 16:17	

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01/23/2003 16:56

**Halogenated Volatile Organic Compounds by 8021B/8260B**

Lowney & Associates Oakland

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Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

**Batch QC Report**

Prep(s): 5035 Test(s): 8260B  
Method Blank Soil QC Batch # 2003/01/23-01.09  
MB: 2003/01/23-01.09-005 Date Extracted: 01/23/2003 14:02

Compound	Conc.	RL	Unit	Analyzed	Flag
Bromodichloromethane	ND	5.0	ug/Kg	01/23/2003 14:02	
Bromoform	ND	5.0	ug/Kg	01/23/2003 14:02	
Bromomethane	ND	10	ug/Kg	01/23/2003 14:02	
Carbon tetrachloride	ND	5.0	ug/Kg	01/23/2003 14:02	
Chlorobenzene	ND	5.0	ug/Kg	01/23/2003 14:02	
Chloroethane	ND	10	ug/Kg	01/23/2003 14:02	
2-Chloroethylvinyl ether	ND	50	ug/Kg	01/23/2003 14:02	
Chloroform	ND	5.0	ug/Kg	01/23/2003 14:02	
Chloromethane	ND	10	ug/Kg	01/23/2003 14:02	
Dibromochloromethane	ND	5.0	ug/Kg	01/23/2003 14:02	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	01/23/2003 14:02	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	01/23/2003 14:02	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	01/23/2003 14:02	
Dichlorodifluoromethane	ND	10	ug/Kg	01/23/2003 14:02	
1,1-Dichloroethane	ND	5.0	ug/Kg	01/23/2003 14:02	
1,2-Dichloroethane	ND	5.0	ug/Kg	01/23/2003 14:02	
1,1-Dichloroethene	ND	5.0	ug/Kg	01/23/2003 14:02	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	01/23/2003 14:02	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	01/23/2003 14:02	
1,2-Dichloropropane	ND	5.0	ug/Kg	01/23/2003 14:02	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	01/23/2003 14:02	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	01/23/2003 14:02	
Methylene chloride	ND	10.0	ug/Kg	01/23/2003 14:02	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	01/23/2003 14:02	
Tetrachloroethene	ND	5.0	ug/Kg	01/23/2003 14:02	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	01/23/2003 14:02	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	01/23/2003 14:02	
Trichloroethene	ND	5.0	ug/Kg	01/23/2003 14:02	
Trichlorofluoromethane	ND	5.0	ug/Kg	01/23/2003 14:02	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	01/23/2003 14:02	

**Halogenated Volatile Organic Compounds by 8021B/8260B**

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Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

**Batch QC Report**

Prep(s): 5035 Test(s): 8260B  
Method Blank Soil QC Batch # 2003/01/23-01.09  
MB: 2003/01/23-01.09-005 Date Extracted: 01/23/2003 14:02

Compound	Conc.	RL	Unit	Analyzed	Flag
Vinyl chloride	ND	5.0	ug/Kg	01/23/2003 14:02	
4-Bromofluorobenzene	89.7	74-121	%	01/23/2003 14:02	
1,2-Dichloroethane-d4	96.1	70-121	%	01/23/2003 14:02	
Toluene-d8	94.8	81-117	%	01/23/2003 14:02	

**Halogenated Volatile Organic Compounds by 8021B/8260B**

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Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

**Batch QC Report**

Prep(s): 5035 Test(s): 8260B

Laboratory Control Spike Soil QC Batch # 2003/01/23-01.09

LCS 2003/01/23-01.09-003 Extracted: 01/23/2003 Analyzed: 01/23/2003 12:49

LCSD 2003/01/23-01.09-004 Extracted: 01/23/2003 Analyzed: 01/23/2003 13:36

Compound	Conc. ug/Kg		Exp. Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Chlorobenzene	98.2	107	100.0	98.2	107.0	8.6	61-121	20		
1,1-Dichloroethene	87.1	92.1	100.0	87.1	92.1	5.8	65-125	20		
Trichloroethene	92.0	93.6	100.0	92.0	93.6	1.7	74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	459	486	500	91.8	97.2		74-121			
1,2-Dichloroethane-d4	469	484	500	93.8	96.8		70-121			
Toluene-d8	480	498	500	95.0	99.6		81-117			

**Polynuclear Aromatic Hydrocarbons (PNA)**

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Received: 01/22/2003 18:20

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TP-28	01/22/2003	Soil	25



**Polynuclear Aromatic Hydrocarbons (PNA)**

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Project: 1424-9C  
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Received: 01/22/2003 18:20

Prep(s): 3550/8310 Test(s): 8310  
Sample ID: TP-28 Lab ID: 2003-01-0382 - 25  
Sampled: 01/22/2003 Extracted: 1/24/2003 17:52  
Matrix: Soil QC Batch#: 2003/01/24-01.18

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	15	ug/Kg	1.00	01/27/2003 20:18	
Acenaphthylene	ND	10	ug/Kg	1.00	01/27/2003 20:18	
Acenaphthene	ND	10	ug/Kg	1.00	01/27/2003 20:18	
Fluorene	ND	5.0	ug/Kg	1.00	01/27/2003 20:18	
Phenanthrene	ND	5.0	ug/Kg	1.00	01/27/2003 20:18	
Anthracene	ND	5.0	ug/Kg	1.00	01/27/2003 20:18	
Fluoranthene	34	5.0	ug/Kg	1.00	01/27/2003 20:18	
Pyrene	35	5.0	ug/Kg	1.00	01/27/2003 20:18	
Benzo(a)anthracene	8.4	5.0	ug/Kg	1.00	01/27/2003 20:18	
Chrysene	9.9	5.0	ug/Kg	1.00	01/27/2003 20:18	
Benzo(b)fluoranthene	8.8	5.0	ug/Kg	1.00	01/27/2003 20:18	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	1.00	01/27/2003 20:18	
Benzo(a)pyrene	8.8	5.0	ug/Kg	1.00	01/27/2003 20:18	
Dibenzo(a,h)anthracene	ND	10	ug/Kg	1.00	01/27/2003 20:18	
Benzo(g,h,i)perylene	ND	10	ug/Kg	1.00	01/27/2003 20:18	
Indeno(1,2,3-cd)pyrene	ND	10	ug/Kg	1.00	01/27/2003 20:18	
<b>Surrogates(s)</b>						
1-Methyl naphthalene	50.8	50-150	%	1.00	01/27/2003 20:18	

**Polynuclear Aromatic Hydrocarbons (PNA)**

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Project: 1424-9C  
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Received: 01/22/2003 18:20

**Batch QC Report**

Prep(s): 3550/8310 Test(s): 8310  
**Method Blank** Soil **QC Batch # 2003/01/24-01.18**  
MB: 2003/01/24-01.18-001 Date Extracted: 01/24/2003 17:52

Compound	Conc.	RL	Unit	Analyzed	Flag
Naphthalene	ND	15.0	ug/Kg	01/27/2003 18:42	
Acenaphthylene	ND	10	ug/Kg	01/27/2003 18:42	
Acenaphthene	ND	10	ug/Kg	01/27/2003 18:42	
Fluorene	ND	5.0	ug/Kg	01/27/2003 18:42	
Phenanthrene	ND	5.0	ug/Kg	01/27/2003 18:42	
Anthracene	ND	5.0	ug/Kg	01/27/2003 18:42	
Fluoranthene	ND	5.0	ug/Kg	01/27/2003 18:42	
Pyrene	ND	5.0	ug/Kg	01/27/2003 18:42	
Benzo(a)anthracene	ND	5.0	ug/Kg	01/27/2003 18:42	
Chrysene	ND	5.0	ug/Kg	01/27/2003 18:42	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	01/27/2003 18:42	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	01/27/2003 18:42	
Benzo(a)pyrene	ND	5.0	ug/Kg	01/27/2003 18:42	
Dibenzo(a,h)anthracene	ND	10.0	ug/Kg	01/27/2003 18:42	
Benzo(g,h,i)perylene	ND	10.0	ug/Kg	01/27/2003 18:42	
Indeno(1,2,3-cd)pyrene	ND	10.0	ug/Kg	01/27/2003 18:42	
<b>Surrogates(s)</b>					
1-Methyl naphthalene	70.7	50-150	%	01/27/2003 18:42	

**Polynuclear Aromatic Hydrocarbons (PNA)**

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Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

**Batch QC Report**

Prep(s): 3550/8310 Test(s): 8310

Laboratory Control Spike Soil QC Batch # 2003/01/24-01.18

LCS 2003/01/24-01.18-002 Extracted: 01/24/2003 Analyzed: 01/27/2003 19:01  
LCSD 2003/01/24-01.18-003 Extracted: 01/24/2003 Analyzed: 01/27/2003 19:21

Compound	Conc. ug/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Naphthalene	115	101	200	57.5	50.5	13.0	50-150	35		
Phenanthrene	142	125	200	71.0	62.5	12.7	50-150	35		
Pyrene	154	133	200	77.0	68.5	14.6	50-150	35		
Chrysene	176	147	200	88.0	73.5	18.0	50-150	35		
Benzo(a)pyrene	138	124	200	69.0	62.0	10.7	50-150	35		
<b>Surrogates(s)</b>										
1-Methyl naphthalene	11.9	10.8	15	79.2	72.2		50-150	0		

**Polynuclear Aromatic Hydrocarbons (PNA)**

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Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TP-5	01/22/2003	Soil	1
TP-6	01/22/2003	Soil	2
TP-7	01/22/2003	Soil	3
TP-9	01/22/2003	Soil	5
TP-30	01/22/2003	Soil	27

**Polynuclear Aromatic Hydrocarbons (PNA)**

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Project: 1424-9C  
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Received: 01/22/2003 18:20

Prep(s): 3550/8310 Test(s): 8310  
Sample ID: TP-5 Lab ID: 2003-01-0382 - 1  
Sampled: 01/22/2003 Extracted: 1/23/2003 08:55  
Matrix: Soil QC Batch#: 2003/01/23-01.18

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	15	ug/Kg	1.00	01/24/2003 11:50	
Acenaphthylene	ND	10	ug/Kg	1.00	01/24/2003 11:50	
Acenaphthene	ND	10	ug/Kg	1.00	01/24/2003 11:50	
Fluorene	ND	5.0	ug/Kg	1.00	01/24/2003 11:50	
Phenanthrene	ND	5.0	ug/Kg	1.00	01/24/2003 11:50	
Anthracene	ND	5.0	ug/Kg	1.00	01/24/2003 11:50	
Fluoranthene	ND	5.0	ug/Kg	1.00	01/24/2003 11:50	
Pyrene	ND	5.0	ug/Kg	1.00	01/24/2003 11:50	
Benzo(a)anthracene	ND	5.0	ug/Kg	1.00	01/24/2003 11:50	
Chrysene	ND	5.0	ug/Kg	1.00	01/24/2003 11:50	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	1.00	01/24/2003 11:50	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	1.00	01/24/2003 11:50	
Benzo(a)pyrene	ND	5.0	ug/Kg	1.00	01/24/2003 11:50	
Dibenzo(a,h)anthracene	ND	10	ug/Kg	1.00	01/24/2003 11:50	
Benzo(g,h,i)perylene	ND	10	ug/Kg	1.00	01/24/2003 11:50	
Indeno(1,2,3-cd)pyrene	ND	10	ug/Kg	1.00	01/24/2003 11:50	
<b>Surrogates(s)</b>						
1-Methyl naphthalene	76.0	50-150	%	1.00	01/24/2003 11:50	

**Polynuclear Aromatic Hydrocarbons (PNA)**

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Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 3550/8310 Test(s): 8310  
Sample ID: TP-6 Lab ID: 2003-01-0382 - 2  
Sampled: 01/22/2003 Extracted: 1/23/2003 08:55  
Matrix: Soil QC Batch#: 2003/01/23-01.18

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	15	ug/Kg	1.00	01/24/2003 12:10	
Acenaphthylene	ND	10	ug/Kg	1.00	01/24/2003 12:10	
Acenaphthene	ND	10	ug/Kg	1.00	01/24/2003 12:10	
Fluorene	ND	5.0	ug/Kg	1.00	01/24/2003 12:10	
Phenanthrene	ND	5.0	ug/Kg	1.00	01/24/2003 12:10	
Anthracene	ND	5.0	ug/Kg	1.00	01/24/2003 12:10	
Fluoranthene	ND	5.0	ug/Kg	1.00	01/24/2003 12:10	
Pyrene	ND	5.0	ug/Kg	1.00	01/24/2003 12:10	
Benzo(a)anthracene	ND	5.0	ug/Kg	1.00	01/24/2003 12:10	
Chrysene	ND	5.0	ug/Kg	1.00	01/24/2003 12:10	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	1.00	01/24/2003 12:10	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	1.00	01/24/2003 12:10	
Benzo(a)pyrene	ND	5.0	ug/Kg	1.00	01/24/2003 12:10	
Dibenzo(a,h)anthracene	ND	10	ug/Kg	1.00	01/24/2003 12:10	
Benzo(g,h,i)perylene	ND	10	ug/Kg	1.00	01/24/2003 12:10	
Indeno(1,2,3-cd)pyrene	ND	10	ug/Kg	1.00	01/24/2003 12:10	
<b>Surrogates(s)</b>						
1-Methyl naphthalene	64.9	50-150	%	1.00	01/24/2003 12:10	

## Polynuclear Aromatic Hydrocarbons (PNA)

Lowney &amp; Associates Oakland

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Powell Street

Received: 01/22/2003 18:20

Prep(s): 3550/8310 Test(s): 8310  
 Sample ID: TP-7 Lab ID: 2003-01-0382 - 3  
 Sampled: 01/22/2003 Extracted: 1/23/2003 08:55  
 Matrix: Soil QC Batch#: 2003/01/23-01.18

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	15	ug/Kg	1.00	01/24/2003 12:29	
Acenaphthylene	ND	10	ug/Kg	1.00	01/24/2003 12:29	
Acenaphthene	ND	10	ug/Kg	1.00	01/24/2003 12:29	
Fluorene	ND	5.0	ug/Kg	1.00	01/24/2003 12:29	
Phenanthrene	ND	5.0	ug/Kg	1.00	01/24/2003 12:29	
Anthracene	ND	5.0	ug/Kg	1.00	01/24/2003 12:29	
Fluoranthene	ND	5.0	ug/Kg	1.00	01/24/2003 12:29	
Pyrene	ND	5.0	ug/Kg	1.00	01/24/2003 12:29	
Benzo(a)anthracene	ND	5.0	ug/Kg	1.00	01/24/2003 12:29	
Chrysene	ND	5.0	ug/Kg	1.00	01/24/2003 12:29	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	1.00	01/24/2003 12:29	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	1.00	01/24/2003 12:29	
Benzo(a)pyrene	ND	5.0	ug/Kg	1.00	01/24/2003 12:29	
Dibenzo(a,h)anthracene	ND	10	ug/Kg	1.00	01/24/2003 12:29	
Benzo(g,h,i)perylene	ND	10	ug/Kg	1.00	01/24/2003 12:29	
Indeno(1,2,3-cd)pyrene	ND	10	ug/Kg	1.00	01/24/2003 12:29	
<b>Surrogates(s)</b>						
1-Methyl naphthalene	67.5	50-150	%	1.00	01/24/2003 12:29	

Sewern Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

01/24/2003 15:12

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## Polynuclear Aromatic Hydrocarbons (PNA)

Lowney &amp; Associates Oakland

Attn.: Mark Amiola

167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 3550/8310 Test(s): 8310  
 Sample ID: TP-9 Lab ID: 2003-01-0382 - 5  
 Sampled: 01/22/2003 Extracted: 1/23/2003 08:55  
 Matrix: Soil QC Batch#: 2003/01/23-01.18

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	15	ug/Kg	1.00	01/24/2003 12:48	
Acenaphthylene	ND	10	ug/Kg	1.00	01/24/2003 12:48	
Acenaphthene	ND	10	ug/Kg	1.00	01/24/2003 12:48	
Fluorene	ND	5.0	ug/Kg	1.00	01/24/2003 12:48	
Phenanthrene	14	5.0	ug/Kg	1.00	01/24/2003 12:48	
Anthracene	ND	5.0	ug/Kg	1.00	01/24/2003 12:48	
Fluoranthene	29	5.0	ug/Kg	1.00	01/24/2003 12:48	
Pyrene	11	5.0	ug/Kg	1.00	01/24/2003 12:48	
Benzo(a)anthracene	ND	5.0	ug/Kg	1.00	01/24/2003 12:48	
Chrysene	6.8	5.0	ug/Kg	1.00	01/24/2003 12:48	
Benzo(b)fluoranthene	8.7	5.0	ug/Kg	1.00	01/24/2003 12:48	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	1.00	01/24/2003 12:48	
Benzo(a)pyrene	9.6	5.0	ug/Kg	1.00	01/24/2003 12:48	
Dibenzo(a,h)anthracene	ND	10	ug/Kg	1.00	01/24/2003 12:48	
Benzo(g,h,i)perylene	ND	10	ug/Kg	1.00	01/24/2003 12:48	
Indeno(1,2,3-cd)pyrene	ND	10	ug/Kg	1.00	01/24/2003 12:48	
<b>Surrogates(s)</b>						
1-Methyl naphthalene	77.0	50-150	%	1.00	01/24/2003 12:48	

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**Polynuclear Aromatic Hydrocarbons (PNA)**

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Received: 01/22/2003 18:20

Prep(s): 3550/8310 Test(s): 8310  
Sample ID: TP-30 Lab ID: 2003-01-0382 - 27  
Sampled: 01/22/2003 Extracted: 1/23/2003 08:55  
Matrix: Soil QC Batch#: 2003/01/23-01.18

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	15	ug/Kg	1.00	01/24/2003 13:07	
Acenaphthylene	ND	10	ug/Kg	1.00	01/24/2003 13:07	
Acenaphthene	ND	10	ug/Kg	1.00	01/24/2003 13:07	
Fluorene	ND	5.0	ug/Kg	1.00	01/24/2003 13:07	
Phenanthrene	ND	5.0	ug/Kg	1.00	01/24/2003 13:07	
Anthracene	ND	5.0	ug/Kg	1.00	01/24/2003 13:07	
Fluoranthene	ND	5.0	ug/Kg	1.00	01/24/2003 13:07	
Pyrene	ND	5.0	ug/Kg	1.00	01/24/2003 13:07	
Benzo(a)anthracene	ND	5.0	ug/Kg	1.00	01/24/2003 13:07	
Chrysene	ND	5.0	ug/Kg	1.00	01/24/2003 13:07	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	1.00	01/24/2003 13:07	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	1.00	01/24/2003 13:07	
Benzo(a)pyrene	ND	5.0	ug/Kg	1.00	01/24/2003 13:07	
Dibenzo(a,h)anthracene	ND	10	ug/Kg	1.00	01/24/2003 13:07	
Benzo(g,h,i)perylene	ND	10	ug/Kg	1.00	01/24/2003 13:07	
Indeno(1,2,3-cd)pyrene	ND	10	ug/Kg	1.00	01/24/2003 13:07	
<b>Surrogates(s)</b>						
1-Methyl naphthalene	71.5	50-150	%	1.00	01/24/2003 13:07	

**Polynuclear Aromatic Hydrocarbons (PNA)**

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Received: 01/22/2003 18:20

**Batch QC Report**

Prep(s): 3550/8310 Test(s): 8310  
**Method Blank** Soil **QC Batch # 2003/01/23-01.18**  
MB: 2003/01/23-01.18-001 Date Extracted: 01/23/2003 08:55

Compound	Conc.	RL	Unit	Analyzed	Flag
Naphthalene	ND	15.0	ug/Kg	01/24/2003 13:43	
Acenaphthylene	ND	10	ug/Kg	01/24/2003 13:43	
Acenaphthene	ND	10	ug/Kg	01/24/2003 13:43	
Fluorene	ND	5.0	ug/Kg	01/24/2003 13:43	
Phenanthrene	ND	5.0	ug/Kg	01/24/2003 13:43	
Anthracene	ND	5.0	ug/Kg	01/24/2003 13:43	
Fluoranthene	ND	5.0	ug/Kg	01/24/2003 13:43	
Pyrene	ND	5.0	ug/Kg	01/24/2003 13:43	
Benzo(a)anthracene	ND	5.0	ug/Kg	01/24/2003 13:43	
Chrysene	ND	5.0	ug/Kg	01/24/2003 13:43	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	01/24/2003 13:43	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	01/24/2003 13:43	
Benzo(a)pyrene	ND	5.0	ug/Kg	01/24/2003 13:43	
Dibenzo(a,h)anthracene	ND	10.0	ug/Kg	01/24/2003 13:43	
Benzo(g,h,i)perylene	ND	10.0	ug/Kg	01/24/2003 13:43	
Indeno(1,2,3-cd)pyrene	ND	10.0	ug/Kg	01/24/2003 13:43	
<b>Surrogates(s)</b>					
1-Methyl naphthalene	65.0	50-150	%	01/24/2003 13:43	

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Received: 01/22/2003 18:20

**Batch QC Report**

Prep(s): 3550/8310 Test(s): 8310

Laboratory Control Spike Soil QC Batch # 2003/01/23-01.18

LCS 2003/01/23-01.18-002 Extracted: 01/23/2003 Analyzed: 01/24/2003 13:45  
LCSD 2003/01/23-01.18-003 Extracted: 01/23/2003 Analyzed: 01/24/2003 14:04

Compound	Conc. ug/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %			Flags
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	
Naphthalene	104	122	200	52.0	61.0	15.9	50-150	35		
Phenanthrene	133	144	200	66.5	72.0	7.9	50-150	35		
Pyrene	134	148	200	67.0	73.0	8.6	50-150	35		
Chrysene	135	146	200	67.5	73.0	7.9	50-150	35		
Benzo(a)pyrene	117	129	200	58.5	64.5	9.8	50-150	35		
<b>Surrogates(s)</b>										
1-Methyl naphthalene	11.2	12.4	15	74.7	83.0		50-150	0		

**Polynuclear Aromatic Hydrocarbons (PNA)**

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**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TP-29	01/22/2003	Soil	26

**Polynuclear Aromatic Hydrocarbons (PNA)**

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Received: 01/22/2003 18:20

Prep(s): 3550/8310 Test(s): 8310  
Sample ID: TP-29 Lab ID: 2003-01-0382 - 26  
Sampled: 01/22/2003 Extracted: 1/27/2003 14:53  
Matrix: Soil Q/C Batch#: 2003/01/28-01.18

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	15	ug/Kg	1.00	01/29/2003 17:32	
Acenaphthylene	ND	10	ug/Kg	1.00	01/29/2003 17:32	
Acenaphthene	ND	10	ug/Kg	1.00	01/29/2003 17:32	
Fluorene	ND	5.0	ug/Kg	1.00	01/29/2003 17:32	
Phenanthrene	15	5.0	ug/Kg	1.00	01/29/2003 17:32	
Anthracene	ND	5.0	ug/Kg	1.00	01/29/2003 17:32	
Fluoranthene	16	5.0	ug/Kg	1.00	01/29/2003 17:32	
Pyrene	12	5.0	ug/Kg	1.00	01/29/2003 17:32	
Benzo(a)anthracene	6.1	5.0	ug/Kg	1.00	01/29/2003 17:32	
Chrysene	5.0	5.0	ug/Kg	1.00	01/29/2003 17:32	
Benzo(b)fluoranthene	5.1	5.0	ug/Kg	1.00	01/29/2003 17:32	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	1.00	01/29/2003 17:32	
Benzo(a)pyrene	ND	5.0	ug/Kg	1.00	01/29/2003 17:32	
Dibenzo(a,h)anthracene	ND	10	ug/Kg	1.00	01/29/2003 17:32	
Benzo(g,h,i)perylene	ND	10	ug/Kg	1.00	01/29/2003 17:32	
Indeno(1,2,3-cd)pyrene	ND	10	ug/Kg	1.00	01/29/2003 17:32	
<b>Surrogates(s)</b>						
1-Methyl naphthalene	78.7	50-150	%	1.00	01/29/2003 17:32	

**Polynuclear Aromatic Hydrocarbons (PNA)**

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Project: 1424-9C  
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Received: 01/22/2003 18:20

**Batch QC Report**

Prep(s): 3550/8310 Test(s): 8310  
**Method Blank** Soil **QC Batch # 2003/01/28-01.18**  
MB: 2003/01/28-01.18-001 Date Extracted: 01/28/2003 18:43

Compound	Conc.	RL	Unit	Analyzed	Flag
Naphthalene	ND	15.0	ug/Kg	01/29/2003 11:18	
Acenaphthylene	ND	10	ug/Kg	01/29/2003 11:18	
Acenaphthene	ND	10	ug/Kg	01/29/2003 11:18	
Fluorene	ND	5.0	ug/Kg	01/29/2003 11:18	
Phenanthrene	ND	5.0	ug/Kg	01/29/2003 11:18	
Anthracene	ND	5.0	ug/Kg	01/29/2003 11:18	
Fluoranthene	ND	5.0	ug/Kg	01/29/2003 11:18	
Pyrene	ND	5.0	ug/Kg	01/29/2003 11:18	
Benzo(a)anthracene	ND	5.0	ug/Kg	01/29/2003 11:18	
Chrysene	ND	5.0	ug/Kg	01/29/2003 11:18	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	01/29/2003 11:18	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	01/29/2003 11:18	
Benzo(a)pyrene	ND	5.0	ug/Kg	01/29/2003 11:18	
Dibenzo(a,h)anthracene	ND	10.0	ug/Kg	01/29/2003 11:18	
Benzo(g,h,i)perylene	ND	10.0	ug/Kg	01/29/2003 11:18	
Indeno(1,2,3-cd)pyrene	ND	10.0	ug/Kg	01/29/2003 11:18	
<b>Surrogates(s)</b>					
1-Methyl naphthalene	91.3	50-150	%	01/29/2003 11:18	

**Polynuclear Aromatic Hydrocarbons (PNA)**

Lowney & Associates Oakland  
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 Project: 1424-9C  
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**Gas/BTEX by 8015M/8021**

Lowney & Associates Oakland  
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 Project: 1424-9C  
 Powell Street

Received: 01/22/2003 18:20

**Batch QC Report**

Prep(s): 3550/8310 Test(s): 8310

**Laboratory Control Spike**                      **Soil**                      **QC Batch # 2003/01/28-01.18**  
 LCS 2003/01/28-01.18-002                      Extracted: 01/28/2003                      Analyzed: 01/29/2003 16:54  
 LCSD 2003/01/28-01.18-003                      Extracted: 01/28/2003                      Analyzed: 01/29/2003 17:13

Compound	Conc. ug/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec	RPD	LCS
Naphthalene	126	123	200	63.0	61.5	2.4	50-150	35		
Phenanthrene	172	168	200	86.0	84.0	2.4	50-150	35		
Pyrene	172	169	200	86.0	84.5	1.8	50-150	35		
Chrysene	180	176	200	90.0	88.0	2.2	50-150	35		
Benzo(a)pyrene	144	138	200	72.0	69.0	4.3	50-150	35		
<b>Surrogates(s)</b>										
1-Methyl naphthalene	13.2	13.0	15	88.3	86.5		50-150	0		

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TP-5	01/22/2003	Soil	1
TP-6	01/22/2003	Soil	2
TP-7	01/22/2003	Soil	3
TP-8	01/22/2003	Soil	4
TP-9	01/22/2003	Soil	5
TP-10	01/22/2003	Soil	6
TP-11	01/22/2003	Soil	7
TP-12	01/22/2003	Soil	8
TP-13	01/22/2003	Soil	9
TP-14	01/22/2003	Soil	10
TP-15	01/22/2003	Soil	11
TP-15B	01/22/2003	Soil	12
TP-16	01/22/2003	Soil	13
TP-17	01/22/2003	Soil	14
TP-18	01/22/2003	Soil	15
TP-19	01/22/2003	Soil	16
TP-20	01/22/2003	Soil	17
TP-21	01/22/2003	Soil	18
TP-22	01/22/2003	Soil	19
TP-23	01/22/2003	Soil	20
TP-24	01/22/2003	Soil	21
TP-25	01/22/2003	Soil	22
TP-26	01/22/2003	Soil	23
TP-27	01/22/2003	Soil	24
TP-28	01/22/2003	Soil	25
TP-29	01/22/2003	Soil	26
TP-30	01/22/2003	Soil	27
TP-31	01/22/2003	Soil	28
TP-32	01/22/2003	Soil	29
TP-33	01/22/2003	Soil	30



Gas/BTEX by 8015M/8021

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Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-6 Lab ID: 2003-01-0382 - 1  
Sampled: 01/22/2003 Extracted: 1/23/2003 07:52  
1/24/2003 09:52  
Matrix: Soil QC Batch#: 2003/01/23-01.01  
2003/01/24-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/23/2003 07:52	
Benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 09:52	
Toluene	ND	0.0050	mg/Kg	1.00	01/24/2003 09:52	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 09:52	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/24/2003 09:52	
<b>Surrogates(s)</b>						
Trifluorotoluene	91.9	53-125	%	1.00	01/24/2003 09:52	
4-Bromofluorobenzene-FID	85.5	58-124	%	1.00	01/23/2003 07:52	

Gas/BTEX by 8015M/8021

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Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-6 Lab ID: 2003-01-0382 - 2  
Sampled: 01/22/2003 Extracted: 1/23/2003 08:21  
1/24/2003 10:16  
Matrix: Soil QC Batch#: 2003/01/23-01.01  
2003/01/24-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/23/2003 08:21	
Benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 10:16	
Toluene	ND	0.0050	mg/Kg	1.00	01/24/2003 10:16	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 10:16	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/24/2003 10:16	
<b>Surrogates(s)</b>						
Trifluorotoluene	93.5	53-125	%	1.00	01/24/2003 10:16	
4-Bromofluorobenzene-FID	83.8	58-124	%	1.00	01/23/2003 08:21	

Gas/BTEX by 8015M/8021

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Powell Street

Received: 01/22/2003 18:20

Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-7 Lab ID: 2003-01-0382 - 3  
Sampled: 01/22/2003 Extracted: 1/23/2003 08:50  
1/24/2003 10:40  
Matrix: Soil QC Batch#: 2003/01/23-01.01  
2003/01/24-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/23/2003 08:50	
Benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 10:40	
Toluene	ND	0.0050	mg/Kg	1.00	01/24/2003 10:40	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 10:40	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/24/2003 10:40	
<i>Surrogates(s)</i>						
Trifluorotoluene	101.4	53-125	%	1.00	01/24/2003 10:40	
4-Bromofluorobenzene-FID	71.8	58-124	%	1.00	01/23/2003 08:50	

Gas/BTEX by 8015M/8021

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Powell Street

Received: 01/22/2003 18:20

Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-8 Lab ID: 2003-01-0382 - 4  
Sampled: 01/22/2003 Extracted: 1/23/2003 09:19  
1/24/2003 11:05  
Matrix: Soil QC Batch#: 2003/01/23-01.01  
2003/01/24-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/23/2003 09:19	
Benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 11:05	
Toluene	ND	0.0050	mg/Kg	1.00	01/24/2003 11:05	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 11:05	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/24/2003 11:05	
<i>Surrogates(s)</i>						
Trifluorotoluene	99.3	53-125	%	1.00	01/24/2003 11:05	
4-Bromofluorobenzene-FID	76.8	58-124	%	1.00	01/23/2003 09:19	

Gas/BTEX by 8015M/8021

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Received: 01/22/2003 18:20

Prep(s): 5035                      Test(s): 8015M  
          5035                                    8021B  
Sample ID: TP-9                    Lab ID: 2003-01-0382 - 5  
Sampled: 01/22/2003                Extracted: 1/23/2003 15:36  
  1/24/2003 11:29  
Matrix: Soil                            QC Batch#: 2003/01/23-01.02  
  2003/01/24-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/23/2003 15:36	
Benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 11:29	
Toluene	ND	0.0050	mg/Kg	1.00	01/24/2003 11:29	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 11:29	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/24/2003 11:29	
<b>Surrogates(s)</b>						
Trifluorotoluene	95.0	53-125	%	1.00	01/24/2003 11:29	
4-Bromofluorobenzene-FID	84.5	58-124	%	1.00	01/23/2003 15:36	

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Prep(s): 5035                      Test(s): 8015M  
          5035                                    8021B  
Sample ID: TP-10                    Lab ID: 2003-01-0382 - 6  
Sampled: 01/22/2003                Extracted: 1/23/2003 10:17  
  1/24/2003 11:53  
Matrix: Soil                            QC Batch#: 2003/01/23-01.01  
  2003/01/24-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/23/2003 10:17	
Benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 11:53	
Toluene	ND	0.0050	mg/Kg	1.00	01/24/2003 11:53	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 11:53	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/24/2003 11:53	
<b>Surrogates(s)</b>						
Trifluorotoluene	99.7	53-125	%	1.00	01/24/2003 11:53	
4-Bromofluorobenzene-FID	81.4	58-124	%	1.00	01/23/2003 10:17	

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Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-11 Lab ID: 2003-01-0382 - 7  
Sampled: 01/22/2003 Extracted: 1/23/2003 10:45  
1/24/2003 12:17  
Matrix: Soil QC Batch#: 2003/01/23-01.01  
2003/01/24-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/23/2003 10:45	
Benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 12:17	
Toluene	ND	0.0050	mg/Kg	1.00	01/24/2003 12:17	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 12:17	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/24/2003 12:17	
<b>Surrogates(s)</b>						
Trifluorotoluene	101.7	53-125	%	1.00	01/24/2003 12:17	
4-Bromofluorobenzene-FID	81.6	58-124	%	1.00	01/23/2003 10:45	

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Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-12 Lab ID: 2003-01-0382 - 8  
Sampled: 01/22/2003 Extracted: 1/23/2003 11:14  
1/24/2003 12:42  
Matrix: Soil QC Batch#: 2003/01/23-01.01  
2003/01/24-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/23/2003 11:14	
Benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 12:42	
Toluene	ND	0.0050	mg/Kg	1.00	01/24/2003 12:42	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 12:42	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/24/2003 12:42	
<b>Surrogates(s)</b>						
Trifluorotoluene	104.7	53-125	%	1.00	01/24/2003 12:42	
4-Bromofluorobenzene-FID	82.2	58-124	%	1.00	01/23/2003 11:14	



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Prep(s): 5035  
5035  
Sample ID: TP-15  
Sampled: 01/22/2003  
Matrix: Soil

Test(s): 8015M  
8021B  
Lab ID: 2003-01-0382 - 11  
Extracted: 1/23/2003 08:29  
1/24/2003 11:22  
QC Batch#: 2003/01/23-01.02  
2003/01/24-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/24/2003 11:22	
Benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 08:29	
Toluene	ND	0.0050	mg/Kg	1.00	01/23/2003 08:29	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 08:29	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/23/2003 08:29	
<b>Surrogates(s)</b>						
4-Bromofluorobenzene	71.2	58-124	%	1.00	01/23/2003 08:29	
4-Bromofluorobenzene-FID	64.5	58-124	%	1.00	01/24/2003 11:22	

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Prep(s): 5035  
5035  
Sample ID: TP-15B  
Sampled: 01/22/2003  
Matrix: Soil

Test(s): 8015M  
8021B  
Lab ID: 2003-01-0382 - 12  
Extracted: 1/23/2003 09:02  
1/24/2003 11:53  
QC Batch#: 2003/01/23-01.02  
2003/01/24-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/24/2003 11:53	
Benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 09:02	
Toluene	ND	0.0050	mg/Kg	1.00	01/23/2003 09:02	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 09:02	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/23/2003 09:02	
<b>Surrogates(s)</b>						
Trifluorotoluene	84.1	53-125	%	1.00	01/23/2003 09:02	
4-Bromofluorobenzene-FID	58.2	58-124	%	1.00	01/24/2003 11:53	

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Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-16 Lab ID: 2003-01-0382 - 13  
Sampled: 01/22/2003 Extracted: 1/23/2003 09:36  
1/24/2003 12:23  
Matrix: Soil QC Batch#: 2003/01/23-01.02  
2003/01/24-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/24/2003 12:23	
Benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 09:36	
Toluene	ND	0.0050	mg/Kg	1.00	01/23/2003 09:36	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 09:36	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/23/2003 09:36	
<b>Surrogates(s)</b>						
Trifluorotoluene	96.6	53-125	%	1.00	01/23/2003 09:36	
4-Bromofluorobenzene-FID	59.1	58-124	%	1.00	01/24/2003 12:23	

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Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-17 Lab ID: 2003-01-0382 - 14  
Sampled: 01/22/2003 Extracted: 1/23/2003 10:09  
1/27/2003 11:51  
Matrix: Soil QC Batch#: 2003/01/23-01.02  
2003/01/27-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/27/2003 11:51	
Benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 10:09	
Toluene	ND	0.0050	mg/Kg	1.00	01/23/2003 10:09	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 10:09	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/23/2003 10:09	
<b>Surrogates(s)</b>						
Trifluorotoluene	86.2	53-125	%	1.00	01/23/2003 10:09	
4-Bromofluorobenzene-FID	67.9	58-124	%	1.00	01/27/2003 11:51	

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Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-18 Lab ID: 2003-01-0382 - 15  
Sampled: 01/22/2003 Extracted: 1/23/2003 22:41  
1/27/2003 09:49  
Matrix: Soil QC Batch#: 2003/01/23-01.02  
2003/01/27-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/27/2003 09:49	
Benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 22:41	
Toluene	ND	0.0050	mg/Kg	1.00	01/23/2003 22:41	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 22:41	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/23/2003 22:41	
<b>Surrogates(s)</b>						
Trifluorotoluene	60.7	53-125	%	1.00	01/23/2003 22:41	
4-Bromofluorobenzene-FID	63.1	58-124	%	1.00	01/27/2003 09:49	

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Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-19 Lab ID: 2003-01-0382 - 16  
Sampled: 01/22/2003 Extracted: 1/23/2003 11:14  
1/24/2003 15:40  
Matrix: Soil QC Batch#: 2003/01/23-01.02  
2003/01/24-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.03	01/24/2003 15:40	
Benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 11:14	
Toluene	ND	0.0050	mg/Kg	1.00	01/23/2003 11:14	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 11:14	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/23/2003 11:14	
<b>Surrogates(s)</b>						
Trifluorotoluene	75.5	53-125	%	1.00	01/23/2003 11:14	
Trifluorotoluene-FID	68.6	53-125	%	1.00	01/24/2003 15:40	



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Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-20 Lab ID: 2003-01-0382 - 17  
Sampled: 01/22/2003 Extracted: 1/23/2003 11:47  
1/24/2003 16:10  
Matrix: Soil QC Batch#: 2003/01/23-01.02  
2003/01/24-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/24/2003 16:10	
Benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 11:47	
Toluene	ND	0.0050	mg/Kg	1.00	01/23/2003 11:47	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 11:47	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/23/2003 11:47	
<b>Surrogates(s)</b>						
Trifluorotoluene	95.6	53-125	%	1.00	01/23/2003 11:47	
Trifluorotoluene-FID	67.6	53-125	%	1.00	01/24/2003 16:10	

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Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-21 Lab ID: 2003-01-0382 - 18  
Sampled: 01/22/2003 Extracted: 1/23/2003 12:20  
1/27/2003 10:20  
Matrix: Soil QC Batch#: 2003/01/23-01.02  
2003/01/27-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/27/2003 10:20	
Benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 12:20	
Toluene	ND	0.0050	mg/Kg	1.00	01/23/2003 12:20	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 12:20	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/23/2003 12:20	
<b>Surrogates(s)</b>						
Trifluorotoluene	76.4	53-125	%	1.00	01/23/2003 12:20	
4-Bromofluorobenzene-FID	59.1	58-124	%	1.00	01/27/2003 10:20	

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Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-22 Lab ID: 2003-01-0382 - 19  
Sampled: 01/22/2003 Extracted: 1/23/2003 12:52  
1/24/2003 17:11  
Matrix: Soil QC Batch#: 2003/01/23-01.02  
2003/01/24-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/24/2003 17:11	
Benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 12:52	
Toluene	ND	0.0050	mg/Kg	1.00	01/23/2003 12:52	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 12:52	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/23/2003 12:52	
<b>Surrogates(s)</b>						
Trifluorotoluene	102.0	53-125	%	1.00	01/23/2003 12:52	
4-Bromofluorobenzene-FID	59.4	58-124	%	1.00	01/24/2003 17:11	

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Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-23 Lab ID: 2003-01-0382 - 20  
Sampled: 01/22/2003 Extracted: 1/23/2003 13:25  
1/24/2003 17:42  
Matrix: Soil QC Batch#: 2003/01/23-01.02  
2003/01/24-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/24/2003 17:42	
Benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 13:25	
Toluene	ND	0.0050	mg/Kg	1.00	01/23/2003 13:25	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 13:25	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/23/2003 13:25	
<b>Surrogates(s)</b>						
Trifluorotoluene	75.2	53-125	%	1.00	01/23/2003 13:25	
4-Bromofluorobenzene-FID	58.1	58-124	%	1.00	01/24/2003 17:42	



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Prep(s): 5035 Test(s): 8015M  
 5035 8021B  
 Sample ID: TP-26 Lab ID: 2003-01-0382 - 23  
 Sampled: 01/22/2003 Extracted: 1/23/2003 13:46  
 1/24/2003 15:48  
 Matrix: Soil QC Batch#: 2003/01/23-01.01  
 2003/01/24-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/23/2003 13:46	
Benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 15:48	
Toluene	ND	0.0050	mg/Kg	1.00	01/24/2003 15:48	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 15:48	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/24/2003 15:48	
<b>Surrogates(s)</b>						
Trifluorotoluene	97.5	53-125	%	1.00	01/24/2003 15:48	
4-Bromofluorobenzene-FID	58.1	58-124	%	1.00	01/23/2003 13:46	

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Prep(s): 5035 Test(s): 8015M  
 5035 8021B  
 Sample ID: TP-27 Lab ID: 2003-01-0382 - 24  
 Sampled: 01/22/2003 Extracted: 1/23/2003 14:15  
 1/24/2003 16:15  
 Matrix: Soil QC Batch#: 2003/01/23-01.01  
 2003/01/24-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/23/2003 14:15	
Benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 16:15	
Toluene	ND	0.0050	mg/Kg	1.00	01/24/2003 16:15	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 16:15	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/24/2003 16:15	
<b>Surrogates(s)</b>						
Trifluorotoluene	94.3	53-125	%	1.00	01/24/2003 16:15	
4-Bromofluorobenzene-FID	80.1	58-124	%	1.00	01/23/2003 14:15	

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Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-28 Lab ID: 2003-01-0382 - 25  
Sampled: 01/22/2003 Extracted: 1/23/2003 14:44  
1/24/2003 16:42  
Matrix: Soil QC Batch#: 2003/01/23-01.01  
2003/01/24-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/23/2003 14:44	
Benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 16:42	
Toluene	ND	0.0050	mg/Kg	1.00	01/24/2003 16:42	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 16:42	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/24/2003 16:42	
<b>Surrogates(s)</b>						
Trifluorotoluene	94.5	53-125	%	1.00	01/24/2003 16:42	
4-Bromofluorobenzene-FID	84.0	58-124	%	1.00	01/23/2003 14:44	

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Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-29 Lab ID: 2003-01-0382 - 26  
Sampled: 01/22/2003 Extracted: 1/23/2003 15:13  
1/24/2003 17:09  
Matrix: Soil QC Batch#: 2003/01/23-01.01  
2003/01/24-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/23/2003 15:13	
Benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 17:09	
Toluene	ND	0.0050	mg/Kg	1.00	01/24/2003 17:09	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 17:09	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/24/2003 17:09	
<b>Surrogates(s)</b>						
Trifluorotoluene	92.5	53-125	%	1.00	01/24/2003 17:09	
4-Bromofluorobenzene-FID	69.5	58-124	%	1.00	01/23/2003 15:13	

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Powell Street

Received: 01/22/2003 18:20

Prep(s): 5035  
5035  
Sample ID: TP-30  
Sampled: 01/22/2003  
Matrix: Soil

Test(s): 8015M  
8021B  
Lab ID: 2003-01-0382 - 27  
Extracted: 1/23/2003 15:42  
1/24/2003 17:36  
QC Batch#: 2003/01/23-01.01  
2003/01/24-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/23/2003 15:42	
Benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 17:36	
Toluene	ND	0.0050	mg/Kg	1.00	01/24/2003 17:36	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/24/2003 17:36	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/24/2003 17:36	
<b>Surrogates(s)</b>						
Trifluorotoluene	93.6	53-125	%	1.00	01/24/2003 17:36	
4-Bromofluorobenzene-FID	64.5	58-124	%	1.00	01/23/2003 15:42	

Gas/BTEX by 8015M/8021

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Received: 01/22/2003 18:20

Prep(s): 5035  
5035  
Sample ID: TP-31  
Sampled: 01/22/2003  
Matrix: Soil

Test(s): 8015M  
8021B  
Lab ID: 2003-01-0382 - 28  
Extracted: 1/23/2003 13:57  
1/24/2003 18:12  
QC Batch#: 2003/01/23-01.02  
2003/01/24-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/24/2003 18:12	
Benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 13:57	
Toluene	ND	0.0050	mg/Kg	1.00	01/23/2003 13:57	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 13:57	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/23/2003 13:57	
<b>Surrogates(s)</b>						
Trifluorotoluene	97.8	53-125	%	1.00	01/23/2003 13:57	
4-Bromofluorobenzene-FID	58.6	58-124	%	1.00	01/24/2003 18:12	

Gas/BTEX by 8015M/8021

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Received: 01/22/2003 18:20

Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-32 Lab ID: 2003-01-0382 - 29  
Sampled: 01/22/2003 Extracted: 1/23/2003 14:30  
1/27/2003 10:50  
Matrix: Soil QC Batch#: 2003/01/23-01.02  
2003/01/27-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/27/2003 10:50	
Benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 14:30	
Toluene	ND	0.0050	mg/Kg	1.00	01/23/2003 14:30	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 14:30	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/23/2003 14:30	
<b>Surrogates(s)</b>						
Trifluorotoluene	89.2	53-125	%	1.00	01/23/2003 14:30	
Trifluorotoluene-FID	69.2	53-125	%	1.00	01/27/2003 10:50	

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Received: 01/22/2003 18:20

Prep(s): 5035 Test(s): 8015M  
5035 8021B  
Sample ID: TP-33 Lab ID: 2003-01-0382 - 30  
Sampled: 01/22/2003 Extracted: 1/23/2003 15:03  
1/24/2003 19:13  
Matrix: Soil QC Batch#: 2003/01/23-01.02  
2003/01/24-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/24/2003 19:13	
Benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 15:03	
Toluene	ND	0.0050	mg/Kg	1.00	01/23/2003 15:03	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/23/2003 15:03	
Xylene(s)	ND	0.0050	mg/Kg	1.00	01/23/2003 15:03	
<b>Surrogates(s)</b>						
Trifluorotoluene	100.6	53-125	%	1.00	01/23/2003 15:03	
Trifluorotoluene-FID	69.2	53-125	%	1.00	01/24/2003 19:13	





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**Batch QC Report**

Prep(s): 5035 Test(s): 8015M  
Method Blank Soil QC Batch # 2003/01/24-01.03  
MB: 2003/01/24-01.03-004 Date Extracted: 01/24/2003 08:33

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	01/24/2003 08:33	
<i>Surrogates(s)</i>					
4-Bromofluorobenzene-FID	67.6	58-124	%	01/24/2003 08:33	

Gas/BTEX by 8015M/8021

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**Batch QC Report**

Prep(s): 5035 Test(s): 8021B  
Method Blank Soil QC Batch # 2003/01/24-01.04  
MB: 2003/01/24-01.04-004 Date Extracted: 01/24/2003 08:32

Compound	Conc.	RL	Unit	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	01/24/2003 08:32	
Toluene	ND	0.0050	mg/Kg	01/24/2003 08:32	
Ethyl benzene	ND	0.0050	mg/Kg	01/24/2003 08:32	
Xylene(s)	ND	0.0050	mg/Kg	01/24/2003 08:32	
<i>Surrogates(s)</i>					
Trifluorotoluene	96.9	53-125	%	01/24/2003 08:32	



Gas/BTEX by 8015M/8021

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Batch QC Report

Prep(s): 5035 Test(s): 8021B

Laboratory Control Spike Soil QC Batch # 2003/01/23-01.02

LCS 2003/01/23-01.02-030 Extracted: 01/23/2003 Analyzed: 01/23/2003 23:14

LCSD 2003/01/23-01.02-031 Extracted: 01/23/2003 Analyzed: 01/23/2003 23:47

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	0.102	0.0959	0.1000	102.0	95.9	6.2	77-123	35		
Toluene	0.105	0.0975	0.1000	105.0	97.5	7.4	78-122	35		
Ethyl benzene	0.104	0.0986	0.1000	104.0	98.6	5.3	70-130	35		
Xylene(s)	0.311	0.298	0.300	103.7	99.3	4.3	75-125	35		
<i>Surrogates(s)</i>										
Trifluorotoluene	529	482	500	105.8	96.4		53-125			

Gas/BTEX by 8015M/8021

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Received: 01/22/2003 18:20

Batch QC Report

Prep(s): 5035 Test(s): 8015M

Laboratory Control Spike Soil QC Batch # 2003/01/24-01.03

LCS 2003/01/24-01.03-002 Extracted: 01/24/2003 Analyzed: 01/24/2003 07:33

LCSD 2003/01/24-01.03-003 Extracted: 01/24/2003 Analyzed: 01/24/2003 08:03

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Gasoline	0.464	0.468	0.500	92.8	93.6	0.9	75-125	35		
<i>Surrogates(s)</i>										
Trifluorotoluene-FID	359	356	500	71.8	71.2		53-125			

**Gas/BTEX by 8015M/8021**

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**Batch QC Report**

Prep(s): 5035 Test(s): 8021B

**Laboratory Control Spike**                      **Soil**                      **QC Batch # 2003/01/24-01.04**  
 LCS      2003/01/24-01.04-002                      Extracted: 01/24/2003                      Analyzed: 01/24/2003 07:37  
 LCSD     2003/01/24-01.04-003                      Extracted: 01/24/2003                      Analyzed: 01/24/2003 08:02

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	0.0899	0.0838	0.1000	89.9	83.8	7.0	77-123	35		
Toluene	0.0826	0.0837	0.1000	82.6	83.7	1.3	78-122	35		
Ethyl benzene	0.118	0.119	0.1000	118.0	119.0	0.8	70-130	35		
Xylene(s)	0.373	0.357	0.300	124.3	119.0	4.4	75-125	35		
<b>Surrogates(s)</b>										
Trifluorotoluene	459	442	500	91.8	88.4		53-125			

**Gas/BTEX by 8015M/8021**

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**Batch QC Report**

Prep(s): 5035 Test(s): 8015M

**Laboratory Control Spike**                      **Soil**                      **QC Batch # 2003/01/27-01.03**  
 LCS      2003/01/27-01.03-002                      Extracted: 01/27/2003                      Analyzed: 01/27/2003 07:51  
 LCSD     2003/01/27-01.03-003                      Extracted: 01/27/2003                      Analyzed: 01/27/2003 08:22

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Gasoline	0.503	0.500	0.500	100.6	100.0	0.6	75-125	35		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene-FID	294	305	500	58.8	61.0		58-124			

TEPH w/ Silica Gel Clean-up

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Received: 01/22/2003 18:20

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
TP-17	01/22/2003	Soil	14

TEPH w/ Silica Gel Clean-up

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Received: 01/22/2003 18:20

Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: TP-17 Lab ID: 2003-01-0382 - 14  
Sampled: 01/22/2003 Extracted: 1/23/2003 19:41  
Matrix: Soil QC Batch#: 2003/01/23-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/24/2003 12:20	
Motor Oil	ND	50	mg/Kg	1.00	01/24/2003 12:20	
<i>Surrogates(s)</i>						
o-Terphenyl	69.1	60-130	%	1.00	01/24/2003 12:20	

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Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

**Batch QC Report**

Prep(s): 3550/8015M Test(s): 8015M  
Method Blank Soil QC Batch # 2003/01/23-06.10  
MB: 2003/01/23-06.10-005 Date Extracted: 01/23/2003 19:41

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	01/24/2003 18:34	
Motor Oil	ND	50	mg/Kg	01/24/2003 18:34	
<b>Surrogates(s)</b> o-Terphenyl	72.0	60-130	%	01/24/2003 18:34	

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**Batch QC Report**

Prep(s): 3550/8015M Test(s): 8015M

**Laboratory Control Spike** Soil QC Batch # 2003/01/23-06.10  
LCS 2003/01/23-06.10-003 Extracted: 01/23/2003 Analyzed: 01/24/2003 17:20  
LCSD 2003/01/23-06.10-004 Extracted: 01/23/2003 Analyzed: 01/24/2003 17:57

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	36.7	36.4	41.5	88.4	87.7	0.8	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	20.6	19.3	20.0	103.1	96.3		60-130	0		

**TEPH w/ Silica Gel Clean-up**

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Received: 01/22/2003 18:20

**Batch QC Report**

Prep(s): 3550/8015M Test(s): 8015M

**Matrix Spike ( MS / MSD )** **Soil** **QC Batch # 2003/01/23-06.10**  
 TP-17 >> MS Lab ID: 2003-01-0382 - 014  
 MS: 2003/01/23-06.10-001 Extracted: 01/23/2003 Analyzed: 01/24/2003 13:00  
 Dilution: 1.00  
 MSD: 2003/01/23-06.10-002 Extracted: 01/23/2003 Analyzed: 01/24/2003 13:39  
 Dilution: 1.00

Compound	Conc.		mg/Kg		Spk.Level		Recovery			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD		
Diesel	36.6	37.7	ND	41.6	88.0	90.6	2.9	60-130	25				
Surrogate(s) o-Terphenyl	18.3	18.6		20.0	91.7	93.2		60-130	0				

**Total Lead**

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**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TP-5	01/22/2003	Soil	1
TP-6	01/22/2003	Soil	2
TP-8	01/22/2003	Soil	4
TP-10	01/22/2003	Soil	6
TP-11	01/22/2003	Soil	7
TP-12	01/22/2003	Soil	8
TP-13	01/22/2003	Soil	9
TP-14	01/22/2003	Soil	10
TP-17	01/22/2003	Soil	14
TP-18	01/22/2003	Soil	15
TP-19	01/22/2003	Soil	16
TP-21	01/22/2003	Soil	18
TP-22	01/22/2003	Soil	19
TP-24	01/22/2003	Soil	21
TP-26	01/22/2003	Soil	23
TP-27	01/22/2003	Soil	24
TP-29	01/22/2003	Soil	26
TP-30	01/22/2003	Soil	27





**Total Lead**

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Received: 01/22/2003 18:20

Prep(s): 3050B Test(s): 6010B  
Sample ID: TP-8 Lab ID: 2003-01-0382 - 4  
Sampled: 01/22/2003 Extracted: 1/22/2003 19:41  
Matrix: Soil QC Batch#: 2003/01/22-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	2.0	1.0	mg/Kg	1.00	01/23/2003 08:02	

**Total Lead**

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Received: 01/22/2003 18:20

Prep(s): 3050B Test(s): 6010B  
Sample ID: TP-10 Lab ID: 2003-01-0382 - 6  
Sampled: 01/22/2003 Extracted: 1/22/2003 19:41  
Matrix: Soil QC Batch#: 2003/01/22-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	2.1	1.0	mg/Kg	1.00	01/23/2003 08:06	

**Total Lead**

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Received: 01/22/2003 18:20

Prep(s): 3050B Test(s): 6010B  
 Sample ID: TP-11 Lab ID: 2003-01-0382 - 7  
 Sampled: 01/22/2003 Extracted: 1/22/2003 19:41  
 Matrix: Soil QC Batch#: 2003/01/22-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	3.1	1.0	mg/Kg	1.00	01/23/2003 09:10	

**Total Lead**

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Received: 01/22/2003 18:20

Prep(s): 3050B Test(s): 6010B  
 Sample ID: TP-12 Lab ID: 2003-01-0382 - B  
 Sampled: 01/22/2003 Extracted: 1/22/2003 19:41  
 Matrix: Soil QC Batch#: 2003/01/22-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	2.3	1.0	mg/Kg	1.00	01/23/2003 09:13	

**Total Lead**

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Project: 1424-9C  
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Received: 01/22/2003 18:20

Prep(s): 3050B Test(s): 6010B  
Sample ID: TP-13 Lab ID: 2003-01-0382 - 9  
Sampled: 01/22/2003 Extracted: 1/22/2003 19:41  
Matrix: Soil QC Batch#: 2003/01/22-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	2.1	1.0	mg/Kg	1.00	01/23/2003 09:16	

**Total Lead**

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Project: 1424-9C  
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Received: 01/22/2003 18:20

Prep(s): 3050B Test(s): 6010B  
Sample ID: TP-14 Lab ID: 2003-01-0382 - 10  
Sampled: 01/22/2003 Extracted: 1/22/2003 19:41  
Matrix: Soil QC Batch#: 2003/01/22-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	8.1	1.0	mg/Kg	1.00	01/23/2003 09:20	



**Total Lead**

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Project: 1424-9C  
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Received: 01/22/2003 18:20

Prep(s): 3050B Test(s): 6010B  
Sample ID: TP-19 Lab ID: 2003-01-0382 - 16  
Sampled: 01/22/2003 Extracted: 1/22/2003 19:41  
Matrix: Soil QC Batch#: 2003/01/22-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	2.0	1.0	mg/Kg	1.00	01/23/2003 09:48	

**Total Lead**

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Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 3050B Test(s): 6010B  
Sample ID: TP-21 Lab ID: 2003-01-0382 - 18  
Sampled: 01/22/2003 Extracted: 1/22/2003 19:41  
Matrix: Soil QC Batch#: 2003/01/22-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	3.8	1.0	mg/Kg	1.00	01/23/2003 09:52	

**Total Lead**

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Powell Street

Received: 01/22/2003 18:20

Prep(s): 3050B                      Test(s): 6010B  
Sample ID: TP-22                      Lab ID: 2003-01-0382 - 19  
Sampled: 01/22/2003                      Extracted: 1/22/2003 19:41  
Matrix: Soil                              QC Batch#: 2003/01/22-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	1.9	1.0	mg/Kg	1.00	01/23/2003 09:55	

**Total Lead**

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Received: 01/22/2003 18:20

Prep(s): 3050B                      Test(s): 6010B  
Sample ID: TP-24                      Lab ID: 2003-01-0382 - 21  
Sampled: 01/22/2003                      Extracted: 1/22/2003 19:41  
Matrix: Soil                              QC Batch#: 2003/01/22-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	2.2	1.0	mg/Kg	1.00	01/23/2003 09:59	

**Total Lead**

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Phone: (510) 267-1970 Fax: (510) 267-1972  
  
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Powell Street

Received: 01/22/2003 18:20

Prep(s): 3050B Test(s): 6010B  
Sample ID: TP-26 Lab ID: 2003-01-0382 - 23  
Sampled: 01/22/2003 Extracted: 1/22/2003 19:41  
Matrix: Soil QC Batch#: 2003/01/22-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	2.2	1.0	mg/Kg	1.00	01/23/2003 10:02	

**Total Lead**

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Prep(s): 3050B Test(s): 6010B  
Sample ID: TP-27 Lab ID: 2003-01-0382 - 24  
Sampled: 01/22/2003 Extracted: 1/22/2003 19:41  
Matrix: Soil QC Batch#: 2003/01/22-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	2.8	1.0	mg/Kg	1.00	01/23/2003 10:06	





**Total Lead**

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**Batch QC Report**

Prep(s): 3050B Test(s): 6010B  
Method Blank Soil QC Batch # 2003/01/22-04.15  
MB: 2003/01/22-04.15-039 Date Extracted: 01/22/2003 19:41

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	01/23/2003 08:17	

**Total Lead**

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**Batch QC Report**

Prep(s): 3050B Test(s): 6010B  
Laboratory Control Spike Soil QC Batch # 2003/01/22-04.15  
LCS 2003/01/22-04.15-040 Extracted: 01/22/2003 Analyzed: 01/23/2003 08:21  
LCSD 2003/01/22-04.15-041 Extracted: 01/22/2003 Analyzed: 01/23/2003 08:25

Compound	Conc.		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec	RPD	LCS
Lead	101	99.9	100.0	101.0	99.9	1.1	60-120	20		

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Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
TP-5	01/22/2003	Soil	1
TP-6	01/22/2003	Soil	2
TP-7	01/22/2003	Soil	3
TP-8	01/22/2003	Soil	4
TP-9	01/22/2003	Soil	5
TP-10	01/22/2003	Soil	6
TP-11	01/22/2003	Soil	7
TP-12	01/22/2003	Soil	8
TP-13	01/22/2003	Soil	9
TP-14	01/22/2003	Soil	10
TP-15	01/22/2003	Soil	11
TP-15B	01/22/2003	Soil	12
TP-16	01/22/2003	Soil	13
TP-18	01/22/2003	Soil	15
TP-19	01/22/2003	Soil	16
TP-20	01/22/2003	Soil	17
TP-21	01/22/2003	Soil	18
TP-22	01/22/2003	Soil	19
TP-23	01/22/2003	Soil	20
TP-24	01/22/2003	Soil	21
TP-25	01/22/2003	Soil	22
TP-26	01/22/2003	Soil	23
TP-27	01/22/2003	Soil	24
TP-28	01/22/2003	Soil	25
TP-29	01/22/2003	Soil	26
TP-30	01/22/2003	Soil	27
TP-31	01/22/2003	Soil	28
TP-32	01/22/2003	Soil	29
TP-33	01/22/2003	Soil	30

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Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: TP-5 Lab ID: 2003-01-0382 - 1  
Sampled: 01/22/2003 Extracted: 1/22/2003 18:52  
Matrix: Soil QC Batch#: 2003/01/22-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.1	1.0	mg/Kg	1.00	01/23/2003 08:38	ndp
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 08:38	
Surrogates(s)						
o-Terphenyl	80.9	80-130	%	1.00	01/23/2003 08:38	

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Prep(s): 3550/8015M      Test(s): 8015M  
Sample ID: **TP-6**      Lab ID: 2003-01-0382 - 2  
Sampled: 01/22/2003      Extracted: 1/22/2003 18:52  
Matrix: Soil      QC Batch#: 2003/01/22-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.5	1.0	mg/Kg	1.00	01/23/2003 09:15	ndp
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 09:15	
<b>Surrogates(s)</b>						
o-Terphenyl	76.4	60-130	%	1.00	01/23/2003 09:15	

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Prep(s): 3550/8015M      Test(s): 8015M  
Sample ID: **TP-7**      Lab ID: 2003-01-0382 - 3  
Sampled: 01/22/2003      Extracted: 1/22/2003 18:52  
Matrix: Soil      QC Batch#: 2003/01/22-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.2	1.0	mg/Kg	1.00	01/23/2003 09:52	ndp
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 09:52	
<b>Surrogates(s)</b>						
o-Terphenyl	81.9	60-130	%	1.00	01/23/2003 09:52	

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Prep(s): 3550/8015M                      Test(s): 8015M  
Sample ID: TP-8                              Lab ID: 2003-01-0382 - 4  
Sampled: 01/22/2003                      Extracted: 1/22/2003 18:52  
Matrix: Soil                                      QC Batch#: 2003/01/22-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 12:21	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 12:21	
<b>Surrogates(s)</b>						
o-Terphenyl	70.0	60-130	%	1.00	01/23/2003 12:21	

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Prep(s): 3550/8015M                      Test(s): 8015M  
Sample ID: TP-9                              Lab ID: 2003-01-0382 - 5  
Sampled: 01/22/2003                      Extracted: 1/22/2003 18:52  
Matrix: Soil                                      QC Batch#: 2003/01/22-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.6	1.0	mg/Kg	1.00	01/23/2003 12:08	ndp
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 12:08	
<b>Surrogates(s)</b>						
o-Terphenyl	80.4	60-130	%	1.00	01/23/2003 12:08	

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Prep(s): 3550/8015M      Test(s): 8015M  
 Sample ID: TP-10      Lab ID: 2003-01-0382 - 6  
 Sampled: 01/22/2003      Extracted: 1/22/2003 18:52  
 Matrix: Soil      QC Batch#: 2003/01/22-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 10:29	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 10:29	
<b>Surrogates(s)</b>						
o-Terphenyl	75.1	60-130	%	1.00	01/23/2003 10:29	

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Prep(s): 3550/8015M      Test(s): 8015M  
 Sample ID: TP-11      Lab ID: 2003-01-0382 - 7  
 Sampled: 01/22/2003      Extracted: 1/22/2003 18:52  
 Matrix: Soil      QC Batch#: 2003/01/22-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 17:21	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 17:21	
<b>Surrogates(s)</b>						
o-Terphenyl	63.9	60-130	%	1.00	01/23/2003 17:21	

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Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: TP-12 Lab ID: 2003-01-0382 - 8  
Sampled: 01/22/2003 Extracted: 1/22/2003 18:52  
Matrix: Soil QC Batch#: 2003/01/22-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 12:21	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 12:21	
<b>Surrogates(s)</b> o-Terphenyl	74.7	60-130	%	1.00	01/23/2003 12:21	

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Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: TP-13 Lab ID: 2003-01-0382 - 9  
Sampled: 01/22/2003 Extracted: 1/22/2003 18:52  
Matrix: Soil QC Batch#: 2003/01/22-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 09:15	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 09:15	
<b>Surrogates(s)</b> o-Terphenyl	78.6	60-130	%	1.00	01/23/2003 09:15	

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Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: TP-14 Lab ID: 2003-01-0382 - 10  
Sampled: 01/22/2003 Extracted: 1/22/2003 18:52  
Matrix: Soil QC Batch#: 2003/01/22-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 12:59	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 12:59	
Surrogates(s) o-Terphenyl	79.3	60-130	%	1.00	01/23/2003 12:59	

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Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: TP-15 Lab ID: 2003-01-0382 - 11  
Sampled: 01/22/2003 Extracted: 1/22/2003 18:52  
Matrix: Soil QC Batch#: 2003/01/22-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 13:27	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 13:27	
Surrogates(s) o-Terphenyl	80.3	60-130	%	1.00	01/23/2003 13:27	

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Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: TP-15B	Lab ID: 2003-01-0382 - 12
Sampled: 01/22/2003	Extracted: 1/22/2003 18:52
Matrix: Soil	QC Batch#: 2003/01/22-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 09:52	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 09:52	
<b>Surrogates(s)</b> o-Terphenyl	74.7	60-130	%	1.00	01/23/2003 09:52	

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Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: TP-16	Lab ID: 2003-01-0382 - 13
Sampled: 01/22/2003	Extracted: 1/22/2003 18:52
Matrix: Soil	QC Batch#: 2003/01/22-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 12:59	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 12:59	
<b>Surrogates(s)</b> o-Terphenyl	66.9	60-130	%	1.00	01/23/2003 12:59	



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Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: TP-18 Lab ID: 2003-01-0382 - 15  
Sampled: 01/22/2003 Extracted: 1/22/2003 18:52  
Matrix: Soil QC Batch#: 2003/01/22-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 11:07	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 11:07	
<i>Surrogates(s)</i>						
o-Terphenyl	68.5	60-130	%	1.00	01/23/2003 11:07	

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Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: TP-19 Lab ID: 2003-01-0382 - 16  
Sampled: 01/22/2003 Extracted: 1/22/2003 18:52  
Matrix: Soil QC Batch#: 2003/01/22-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 11:07	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 11:07	
<i>Surrogates(s)</i>						
o-Terphenyl	75.2	60-130	%	1.00	01/23/2003 11:07	

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Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: TP-20 Lab ID: 2003-01-0382 - 17  
Sampled: 01/22/2003 Extracted: 1/22/2003 18:52  
Matrix: Soil QC Batch#: 2003/01/22-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 19:51	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 19:51	
<b>Surrogates(s)</b> o-Terphenyl	66.3	60-130	%	1.00	01/23/2003 19:51	

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Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: TP-21 Lab ID: 2003-01-0382 - 18  
Sampled: 01/22/2003 Extracted: 1/22/2003 18:52  
Matrix: Soil QC Batch#: 2003/01/22-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 11:44	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 11:44	
<b>Surrogates(s)</b> o-Terphenyl	80.4	60-130	%	1.00	01/23/2003 11:44	

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Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: TP-22 Lab ID: 2003-01-0382 - 19  
Sampled: 01/22/2003 Extracted: 1/22/2003 18:52  
Matrix: Soil QC Batch#: 2003/01/22-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 11:44	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 11:44	
<b>Surrogates(s)</b>						
o-Terphenyl	80.6	60-130	%	1.00	01/23/2003 11:44	

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Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: TP-23 Lab ID: 2003-01-0382 - 20  
Sampled: 01/22/2003 Extracted: 1/22/2003 18:52  
Matrix: Soil QC Batch#: 2003/01/22-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 17:59	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 17:59	
<b>Surrogates(s)</b>						
o-Terphenyl	76.7	60-130	%	1.00	01/23/2003 17:59	

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Prep(s): 3550/8015M                      Test(s): 8015M  
Sample ID: TP-24                              Lab ID: 2003-01-0382 - 21  
Sampled: 01/22/2003                        Extracted: 1/22/2003 18:52  
Matrix: Soil                                    QC Batch#: 2003/01/22-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 20:28	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 20:28	
<i>Surrogates(s)</i>						
o-Terphenyl	77.4	60-130	%	1.00	01/23/2003 20:28	

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Received: 01/22/2003 18:20

Prep(s): 3550/8015M                      Test(s): 8015M  
Sample ID: TP-25                              Lab ID: 2003-01-0382 - 22  
Sampled: 01/22/2003                        Extracted: 1/22/2003 06:09  
Matrix: Soil                                    QC Batch#: 2003/01/22-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 19:14	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 19:14	
<i>Surrogates(s)</i>						
o-Terphenyl	72.2	60-130	%	1.00	01/23/2003 19:14	

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Prep(s): 3550/8015M      Test(s): 8015M  
Sample ID: TP-26      Lab ID: 2003-01-0382 - 23  
Sampled: 01/22/2003      Extracted: 1/22/2003 06:09  
Matrix: Soil      QC Batch#: 2003/01/22-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 08:49	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 08:49	
<b>Surrogates(s)</b>						
o-Terphenyl	80.8	60-130	%	1.00	01/23/2003 08:49	

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Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 3550/8015M      Test(s): 8015M  
Sample ID: TP-27      Lab ID: 2003-01-0382 - 24  
Sampled: 01/22/2003      Extracted: 1/22/2003 06:09  
Matrix: Soil      QC Batch#: 2003/01/22-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 09:29	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 09:29	
<b>Surrogates(s)</b>						
o-Terphenyl	75.8	60-130	%	1.00	01/23/2003 09:29	

**TEPH w/ Silica Gel Clean-up**

Lowney & Associates Oakland  
Attn.: Mark Amiola  
  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972  
Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: **TP-28** Lab ID: 2003-01-0382 - 25  
Sampled: 01/22/2003 Extracted: 1/22/2003 06:09  
Matrix: Soil QC Batch#: 2003/01/22-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	5.4	1.0	mg/Kg	1.00	01/23/2003 14:07	ndp
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 14:07	
<i>Surrogates(s)</i> o-Terphenyl	68.7	60-130	%	1.00	01/23/2003 14:07	

**TEPH w/ Silica Gel Clean-up**

Lowney & Associates Oakland  
Attn.: Mark Amiola  
  
167 Filbert Street  
Oakland, Ca 94607  
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Powell Street

Received: 01/22/2003 18:20

Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: **TP-29** Lab ID: 2003-01-0382 - 26  
Sampled: 01/22/2003 Extracted: 1/22/2003 06:09  
Matrix: Soil QC Batch#: 2003/01/22-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2.8	1.0	mg/Kg	1.00	01/23/2003 10:48	ndp
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 10:48	
<i>Surrogates(s)</i> o-Terphenyl	81.9	60-130	%	1.00	01/23/2003 10:48	

TEPH w/ Silica Gel Clean-up

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Attn.: Mark Arniola  
  
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Oakland, Ca 94607  
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Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: TP-30 Lab ID: 2003-01-0382 - 27  
Sampled: 01/22/2003 Extracted: 1/22/2003 06:09  
Matrix: Soil QC Batch#: 2003/01/22-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2.2	1.0	mg/Kg	1.00	01/23/2003 11:28	ndp
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 11:28	
<i>Surrogates(s)</i> o-Terphenyl	71.8	60-130	%	1.00	01/23/2003 11:28	

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland  
Attn.: Mark Arniola  
  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972  
  
Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 3550/6015M Test(s): 8015M  
Sample ID: TP-31 Lab ID: 2003-01-0382 - 28  
Sampled: 01/22/2003 Extracted: 1/22/2003 06:09  
Matrix: Soil QC Batch#: 2003/01/22-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 12:47	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 12:47	
<i>Surrogates(s)</i> o-Terphenyl	71.3	60-130	%	1.00	01/23/2003 12:47	

**TEPH w/ Silica Gel Clean-up**

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Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 3550/8015M                      Test(s): 8015M  
Sample ID: TP-32                              Lab ID: 2003-01-0382 - 29  
Sampled: 01/22/2003                        Extracted: 1/22/2003 06:09  
Matrix: Soil                                      QC Batch#: 2003/01/22-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 10:09	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 10:09	
<b>Surrogates(s)</b> o-Terphenyl	70.5	60-130	%	1.00	01/23/2003 10:09	

**TEPH w/ Silica Gel Clean-up**

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Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 3550/8015M                      Test(s): 8015M  
Sample ID: TP-33                              Lab ID: 2003-01-0382 - 30  
Sampled: 01/22/2003                        Extracted: 1/22/2003 06:09  
Matrix: Soil                                      QC Batch#: 2003/01/22-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/23/2003 18:36	
Motor Oil	ND	50	mg/Kg	1.00	01/23/2003 18:36	
<b>Surrogates(s)</b> o-Terphenyl	77.0	60-130	%	1.00	01/23/2003 18:36	



**TEPH w/ Silica Gel Clean-up**

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Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

**Batch QC Report**

Prep(s): 3550/8015M Test(s): 8015M  
Method Blank Soil QC Batch # 2003/01/22-01.10  
MB: 2003/01/22-01.10-001 Date Extracted: 01/22/2003 06:09

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	01/22/2003 10:36	
Motor Oil	ND	50	mg/Kg	01/22/2003 10:36	
<b>Surrogates(s)</b> o-Terphenyl	69.4	60-130	%	01/22/2003 10:36	

**TEPH w/ Silica Gel Clean-up**

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Oakland, Ca 94607  
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Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

**Batch QC Report**

Prep(s): 3550/8015M Test(s): 8015M  
Method Blank Soil QC Batch # 2003/01/22-06.10  
MB: 2003/01/22-06.10-003 Date Extracted: 01/22/2003 18:52

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	01/23/2003 17:59	
Motor Oil	ND	50	mg/Kg	01/23/2003 17:59	
<b>Surrogates(s)</b> o-Terphenyl	67.0	60-130	%	01/23/2003 17:59	

**TEPH w/ Silica Gel Clean-up**

Lowney & Associates Oakland  
Attn.: Mark Amiola  
  
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Oakland, Ca 94607  
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Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

**Batch QC Report**

Prep(s): 3550/8015M Test(s): 8015M

Laboratory Control Spike Soil QC Batch # 2003/01/22-01.10

LCS 2003/01/22-01.10-002 Extracted: 01/22/2003 Analyzed: 01/22/2003 09:22  
LCSD 2003/01/22-01.10-003 Extracted: 01/22/2003 Analyzed: 01/22/2003 09:59

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	32.8	35.4	41.7	78.7	84.9	7.6	60-130	25		
Surrogates(s) o-Terphenyl	18.1	19.3	20.0	90.7	96.4		60-130	0		

**TEPH w/ Silica Gel Clean-up**

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167 Filbert Street  
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Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

**Batch QC Report**

Prep(s): 3550/8015M Test(s): 8015M

Laboratory Control Spike Soil QC Batch # 2003/01/22-06.10

LCS 2003/01/22-06.10-001 Extracted: 01/22/2003 Analyzed: 01/23/2003 16:44  
LCSD 2003/01/22-06.10-002 Extracted: 01/22/2003 Analyzed: 01/23/2003 17:21

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	30.6	36.3	41.7	73.4	87.1	17.1	60-130	25		
Surrogates(s) o-Terphenyl	16.4	19.6	20.0	81.6	98.0		60-130	0		

**TEPH w/ Silica Gel Clean-up**

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Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

**Legend and Notes**

**Result Flag**

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

**Polynuclear Aromatic Hydrocarbons (PNA)**

Lowney & Associates Oakland  
Attn.: Mark Amiola  
  
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Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972  
  
Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TP-29	01/22/2003	Soil	26

Polynuclear Aromatic Hydrocarbons (PNA)

Lowney & Associates Oakland  
Attn.: Mark Arniola  
  
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Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972  
Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 3550/8310 Test(s): 8310  
Sample ID: TP-29 Lab ID: ZD03-01-0382--29  
Sampled: 01/22/2003 Extracted: 1/27/2003 14:53  
Matrix: Soil GC Batch#: 2003/01/28/01-18

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	15	ug/Kg	1.00	01/29/2003 17:32	
Acenaphthylene	ND	10	ug/Kg	1.00	01/29/2003 17:32	
Acenaphthene	ND	10	ug/Kg	1.00	01/29/2003 17:32	
Fluorene	ND	5.0	ug/Kg	1.00	01/29/2003 17:32	
Phenanthrene	15	5.0	ug/Kg	1.00	01/29/2003 17:32	
Anthracene	ND	5.0	ug/Kg	1.00	01/29/2003 17:32	
Fluoranthene	16	5.0	ug/Kg	1.00	01/29/2003 17:32	
Pyrene	12	5.0	ug/Kg	1.00	01/29/2003 17:32	
Benzo(a)anthracene	6.1	5.0	ug/Kg	1.00	01/29/2003 17:32	
Chrysene	5.0	5.0	ug/Kg	1.00	01/29/2003 17:32	
Benzo(b)fluoranthene	5.1	5.0	ug/Kg	1.00	01/29/2003 17:32	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	1.00	01/29/2003 17:32	
Benzo(a)pyrene	ND	5.0	ug/Kg	1.00	01/29/2003 17:32	
Dibenzo(a,h)anthracene	ND	10	ug/Kg	1.00	01/29/2003 17:32	
Benzo(g,h,i)perylene	ND	10	ug/Kg	1.00	01/29/2003 17:32	
Indeno(1,2,3-cd)pyrene	ND	10	ug/Kg	1.00	01/29/2003 17:32	
<b>Surrogates(s)</b>						
1-Methyl naphthalene	78.7	50-150	%	1.00	01/29/2003 17:32	

Polynuclear Aromatic Hydrocarbons (PNA)

Lowney & Associates Oakland  
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167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972  
Project: 1424-9C  
Powell Street

Received: 01/22/2003 18:20

Prep(s): 3550/8310 Test(s): 8310  
Sample ID: TP-29 Lab ID: ZD03-01-0382--29  
Sampled: 01/22/2003 Extracted: 1/27/2003 14:53  
Matrix: Soil GC Batch#: 2003/01/28/01-18

Compound	Conc.	RL	Unit	Analyzed	Flag
Naphthalene	ND	15.0	ug/Kg	01/29/2003 11:18	
Acenaphthylene	ND	10	ug/Kg	01/29/2003 11:18	
Acenaphthene	ND	10	ug/Kg	01/29/2003 11:18	
Fluorene	ND	5.0	ug/Kg	01/29/2003 11:18	
Phenanthrene	ND	5.0	ug/Kg	01/29/2003 11:18	
Anthracene	ND	5.0	ug/Kg	01/29/2003 11:18	
Fluoranthene	ND	5.0	ug/Kg	01/29/2003 11:18	
Pyrene	ND	5.0	ug/Kg	01/29/2003 11:18	
Benzo(a)anthracene	ND	5.0	ug/Kg	01/29/2003 11:18	
Chrysene	ND	5.0	ug/Kg	01/29/2003 11:18	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	01/29/2003 11:18	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	01/29/2003 11:18	
Benzo(a)pyrene	ND	5.0	ug/Kg	01/29/2003 11:18	
Dibenzo(a,h)anthracene	ND	10.0	ug/Kg	01/29/2003 11:18	
Benzo(g,h,i)perylene	ND	10.0	ug/Kg	01/29/2003 11:18	
Indeno(1,2,3-cd)pyrene	ND	10.0	ug/Kg	01/29/2003 11:18	
<b>Surrogates(s)</b>					
1-Methyl naphthalene	91.3	50-150	%	01/29/2003 11:18	

**Polynuclear Aromatic Hydrocarbons (PNA)**

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 167 Filbert Street  
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 Project: 1424-9C  
 Powell Street

Received: 01/22/2003 18:20

Batch QC Report									
Prep(s): 3559/8810					Reqs(s): 8940				
Laboratory Control Spike					QC Batch # 2003012203				
LCS: 2003012203-01-18-002					Extracted: 01/22/2003				
LCSD: 2003012203-01-18-003					Analyzed: 01/22/2003				
Compound	Conc.	ug/Kg	Exp. Conc.	Recovery	RPD	Ctrl. Limits %	Flags		
	LCS	LCSD	LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Naphthalene	126	123	200	63.0	61.5	2.4	50-150	35	
Phenanthrene	172	168	200	86.0	84.0	2.4	50-150	35	
Pyrene	172	169	200	86.0	84.5	1.8	50-150	35	
Chrysene	180	176	200	90.0	88.0	2.2	50-150	35	
Benzo(a)pyrene	144	138	200	72.0	69.0	4.3	50-150	35	
<b>Surrogates(s)</b>									
1-Methyl naphthalene	13.2	13.0	15	88.3	86.5		50-150	0	

Severn Trent Laboratories, Inc.  
 STL San Francisco • 1220 Quarry Lane, Pleasanton, CA 94566  
 Tel 925 484 1919 Fax 925 484 1096 • www.stl-inc.com • CA DHS ELAP# 2486

01/30/2003 08:44

Page 4 of 4

**LOWNEY ASSOCIATES**  
 Environmental/Geotechnical/Engineering Services  
 405 Clyde Ave.  
 Mountain View 94043  
 Tel: 650.967.2365  
 Fax: 650.967.1972

**CHAIN OF CUSTODY RECORD**

Project Name: Dowell St.  
 Job No.: 1424-9C  
 Report To: Mark Arniola  
 Sampler (print): Charles Mether  
 Sampler (signature): CE Mether  
 Electronic Deliverable Format Required:  YES  NO  
 EDF LOGCODE:  LAMV  LAO  LAF  
 Global ID #:

Turnaround Requirements  
 5 Working Days  
 48 Hours  
 24 Hours  
 2-3 Hours RUSH

QC Requirement:  
 RI Level A (Standard)

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.	TPH as gas/BTEX/ <del>PAHs</del>	TPH as diesel (8015M)	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list)	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310) (See Remarks)	PCBs (8082)	Remarks
TP-5	1-22-03					X	X	X	X	X	X	X	X	X	Lead
TP-6						X	X	X	X	X	X	X	X	X	
TP-7						X	X	X	X	X	X	X	X	X	
TP-8						X	X	X	X	X	X	X	X	X	
TP-9						X	X	X	X	X	X	X	X	X	
TP-10						X	X	X	X	X	X	X	X	X	
TP-11						X	X	X	X	X	X	X	X	X	
TP-12						X	X	X	X	X	X	X	X	X	
TP-13						X	X	X	X	X	X	X	X	X	
TP-14						X	X	X	X	X	X	X	X	X	
TP-15						X	X	X	X	X	X	X	X	X	
TP-15B						X	X	X	X	X	X	X	X	X	

Relinquished By: CE Mether Date: 1-22-03 Time: 5:14 PM  
 Relinquished By: CE Mether Date: 1-22-03 Time: 6:10 PM  
 Relinquished By: STL-SF Date: 01/22/03 Time: 18:00

Temp: 5.7  
 PH Initial: PM

**RUSH**

**STL KAMION OFFICE**  
 2258 Camino Ramon  
 San Ramon 94583  
 Tel: 925.275.2555  
 Fax: 925.275.2555

**251 E. Imperial Hwy. #470**  
 Fullerton 92835  
 Tel: 714.441.3090  
 Fax: 714.441.3091

**167 Filbert St.**  
 Oakland 94607  
 Tel: 510.267.1970  
 Fax: 510.267.1972

**ANALYSES REQUESTED**

Page 1 of 2



STL

STL San Francisco

Sample Receipt Checklist

Submission #: 2003- 01 - 0382

Checklist completed by: (initials) DEH Date: 01/22/03

Courier name:  STL San Francisco  Client World Courier

- Custody seals intact on shipping container/samples Yes \_\_\_ No \_\_\_ Not Present
- Chain of custody present? Yes  No \_\_\_
- Chain of custody signed when relinquished and received? Yes  No \_\_\_
- Chain of custody agrees with sample labels? Yes  No \_\_\_
- Samples in proper container/bottle? Yes  No \_\_\_
- Sample containers intact? Yes  No \_\_\_
- Sufficient sample volume for indicated test? Yes  No \_\_\_
- All samples received within holding time? Yes  No \_\_\_
- Container/Temp Blank temperature in compliance (4° C ± 2)? Temp: 57 °C Yes  No \_\_\_
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes \_\_\_ No \_\_\_

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small - O), M (medium - O) or L (large - O)

Water - pH acceptable upon receipt?  Yes  No  
 pH adjusted- Preservative used:  HNO<sub>3</sub>  HCl  H<sub>2</sub>SO<sub>4</sub>  NaOH  ZnOAc

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments: \_\_\_\_\_  
\_\_\_\_\_

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) \_\_\_\_\_ Date: \_\_\_\_\_/\_\_\_\_\_/03  
Client contacted:  Yes  No

Summary of discussion: \_\_\_\_\_  
\_\_\_\_\_

Corrective Action (per PM/Client): \_\_\_\_\_  
\_\_\_\_\_