

*Alameda County
APR 29 2003
Environmental Health*

**SITE CHARACTERIZATION REPORT
BUILDING 4 - HYDRAULIC LIFT**

**Alameda Federal Center
620 Central Avenue
Alameda, California**

April 2, 2003

SITE CHARACTERIZATION REPORT
BUILDING 4 – HYDRAULIC LIFT

Alameda Federal Center
620 Central Avenue
Alameda, California

April 2, 2003

Prepared for:

General Services Administration
San Francisco, California

Prepared by:

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Martinez, California

SITE CHARACTERIZATION REPORT
BUILDING 4 – HYDRAULIC LIFT

Alameda Federal Center
620 Central Avenue
Alameda, California

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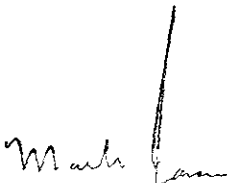
Report Prepared for:

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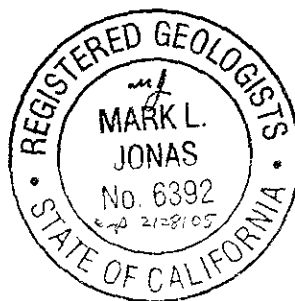
SITE CHARACTERIZATION REPORT
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Jonas & Associates, Inc. Job No.: GSA-211A



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**SITE CHARACTERIZATION REPORT
BUILDING 4 – HYDRAULIC LIFT
Alameda Federal Center
620 Central Avenue
Alameda, California**

April 2, 2003

1.0 Introduction

This report presents a summary of the methodology and results associated with the March 10, 2002 soil and groundwater sampling and analysis event at the Building 4 hydraulic lift at the Alameda Federal Center, located at 620 Central Avenue, in Alameda, California.

1.1 Overview

The area of interest for this study is the hydraulic lift system at Building 4 in the Alameda Federal Center. Figures 1 and 2, in Appendix B, identifies the regional and site location, respectively. Building 4 is a single-story wooden structure with a concrete floor and an out-of-service hydraulic lift. Apparently a subsurface sump/tank is located near the hydraulic lift with a pipe between the sump/tank and the hydraulic lift (per comm. C. Cooley – Property Manager). According the Kleinfelder's November 8, 2002 Phase I Environmental Site Assessment Report, Alameda Service Center, Alameda, California (Phase I ESA) "*the hydraulic lift was installed in the 1960s and has not been used since 1983*" and "*Although no environmental incidents were observed during the site visit or have been reported in agency records reviewed, based on the likelihood heavy metals, hydraulic oil, and possibly solvents were used in the area of the hydraulic lift, there exists a concern that impacted soil may be present in this area of the site.*" The recommendations by Kleinfelder in the Phase I ESA formed the basis for soil and groundwater sampling performed by Jonas & Associates, Inc. (J&A) on March 10, 2003.

The March 10, 2003 sampling event include two (2) geoprobe borings adjacent to the hydraulic lift and two (2) geoprobe borings adjacent to the subsurface sump/tank, apparently associated with the hydraulic lift. All four (4) geoprobe borings extended to 15 feet below ground surface (bgs), with soil samples collected at 2.5', 5', 10', and 15' bgs. Samples were composited and analyzed for Total Extractable Petroleum Hydrocarbons as Hydraulic Oil (TEPH-HO), Volatile Organic Compounds (VOCs), and CAM 17 Metals. Composite soil samples with detected petroleum analytes were analyzed as discrete samples. Two (2) groundwater samples were collected and analyzed for the same constituents as soil. This Site Characterization Report

presents the sampling methodology, results, and conclusions associated with the March 10, 2003 sampling event. Figure 3, in Appendix B, identifies boring locations.

Adjacent to Building 4 is a site where four (4) underground storage tanks (USTs) were removed and petroleum analytes, including Total Extractable Petroleum Hydrocarbons as Diesel (TEPH-d), were detected in soil and groundwater (Kleinfelder, 2002). These USTs apparently held gasoline (Tank #1), waste oil (Tank #2), and fuel oil (Tanks #3 and #4). Waste oil, fuel oil, and hydraulic oil can be detected in the spectrum of TEPH-d. This UST site reportedly will receive regulatory closure (per. comm. A. Merendi).

1.2 Scope of Report

This Site Characterization Report, Building 4 – Hydraulic Lift, Alameda Federal Center, 620 Central Avenue, Alameda, California is presented in six (6) sections and five appendices.

Section 1, Introduction, provides an introduction, an overview and context for the project, and the scope of the report. Section 2, Preparations and Sampling Procedures, presents the preparations for sampling and sampling methods used in the field to collect soil and groundwater samples. Section 3, Soil Sampling Results, presents the soil sampling results and a discussion of these results. Section 4, Groundwater Sampling Results, presents groundwater sampling results and a discussion of these results. Section 5, Conclusions and Recommendations, provides conclusions associated with the March 10, 2003 sampling effort and recommendations. Section 6, References, identifies the references used in this report. The appendices of the report include tables and figures discussed in the report; data summary tables; the chain-of-custody record; and laboratory data reports.

2.0 Preparations and Sampling Procedures

This section of the report presents the preparations for soil and groundwater sampling and the on-site sampling procedures performed on March 10, 2003. The following Sections 3.0 and 4.0 provides a summary of the soil and groundwater results, respectively.

2.1 Preparations for Sampling

Prior to collecting borehole soil and groundwater samples at the site, Underground Service Alert (USA) was notified and performed a utility survey under USA Ticket #68979. The USA utility survey was performed on February 26 through 28, 2003. A private contractor also performed a utility survey on March 5, 2003. A site-specific *Environmental Health & Safety Plan for*

Sampling Activities (Health & Safety Plan), dated March 7, 2003, was produced for the field effort. After scheduling drilling contractor Fisch Environmental, geoprobe soil and groundwater sampling was performed on March 10, 2003. On the sampling day, a "tail-gate" meeting was held to review the contents of the site-specific Health & Safety Plan.

2.2 Sampling Procedures

The following presents a discussion of the methods and procedures associated with the soil and groundwater samples collected by J&A on March 10, 2003. Summary tables of laboratory results are presented in Appendix C. The chain-of-custody record is presented in Appendix D. The laboratory data reports are presented in Appendix E. Sampling locations are identified on Figure 3.

On March 10, 2003, J&A collected a total of sixteen (16) soil samples from four (4) borehole locations, using a geoprobe operated by Fisch Environmental (C-57 License #683865). Soil samples were collected from 2.5', 5', 10', and 15' bgs. Soil was originally collected in geoprobe sampling tubes and cut at each sampling depth and approximately 3 inches above and then capped and chilled. From two (2) boreholes, groundwater samples were collected. All samples were capped, labeled, placed in coolers with ice, and under a chain-of-custody were submitted to Severn Trent Laboratory San Francisco (STL SF, California Laboratory Certificate #1094) laboratory for analysis. All the samples were identified on a chain-of-custody record and signed jointly during transfer of the samples. The chain-of-custody records for soil samples are presented in Appendix D of this report. All boreholes were filled with a concrete. Sampling waste was left on-site in a sealed and labeled 55-gallon container.

Soil boring SB1 and SB2 were drilled around the hydraulic lift. Soil borings SB3 and SB4 were drilled around an underground storage sump/tank associated with the hydraulic lift. Soil samples were composited, as follows: SB1+SB2-2.5'+5'; SB1+SB2-10'+15'; SB3+SB4-2.5'+5'; and SB3+SB4-10'+15'. Groundwater samples were collected at boring SB1 and SB3, identified as SB1-GW and SB3-GW.

Soil and groundwater samples were analyzed for Total Extractable Petroleum Hydrocarbons as Hydraulic Oil, using EPA Method 8015M (TEPH-HO). Volatile Organic Compounds, using EPA Method 8260B (VOCs); and CAM 17 Metals, using EPA Methods 6010B, 7470/7471, and 200 7

Because of detected TEPH-HO in composite sample SB3+SB4-2.5'+5', discrete samples SB3-2.5', SB3-5', SB4-2.5', and SB4-5' were analyzed for TEPH-HO. These samples were analyzed within the fourteen day turn-around-time (TAT) for this analyte.

3.0 Soil Sampling Results

Soil sampling results are summarized in Tables A, B, and C, in Appendix C. Chain-of-custody records are provided in Appendix D. Laboratory data sheets are presented in Appendix E. Tables 1 and 2, in Appendix A, present "Detected Metals and Natural Soil Concentrations" and "Preliminary Remediation Goals for Detected Soil Analytes", respectively. Natural soil concentrations are for California (Kearny, 1996), and the Western United States (Bowen, 1979; Shacklette and Boerngen, 1984). Figure 4 graphically displays March 10, 2003 soil sampling results.

Preliminary Remediation Goals (PRGs; EPA, 2002) are U.S. Environmental Protection Agency (EPA) Region 9 criteria for evaluating and cleaning up contaminated soil. They are human health risk-based concentrations derived from standardized equations, combining exposure information assumptions and EPA toxicity data. PRGs are considered by EPA to be protective of humans over a lifetime. They are generally relevant for "screening" sites, but they are not legally enforceable standards. The PRG's role in site "screening" is to help identify areas, contaminants, and conditions that do not require further attention at a particular site. In addition, because EPA generally does not require clean up below a natural background concentration, if a natural background concentration is higher than the risk-based PRG the background concentration typically becomes the screening criteria.

In the proceeding sections, soil sampling results are summarized and a comparison is made with detected concentrations versus background concentrations for metals and both Residential and Industrial PRGs.

3.1 TEPH as Hydraulic Oil in Soil

Analytical results for Total Extractable Petroleum Hydrocarbons as Hydraulic Oil (TEPH-HO) in soil are tabulated in Table A, in Appendix C. Following is a summary of TEPH-HO results.

- ◆ Composite soil samples SB1+SB2-2.5'+5' and SB1+SB2-10'+15', collected adjacent to the hydraulic lift, did not have detectable concentrations of TEPH-HO

- ◆ Composite soil sample SB3+SB4-2.5'+5', collected adjacent to the associated hydraulic system sump/tank, had a concentration of 53 mg/Kg TEPH-HO. Discrete samples were then analyzed with the following results: SB3-2.5' at ND(50) mg/Kg; SB3-5' at ND(50) mg/Kg; SB4-2.5' at 190 mg/Kg; and SB4-5' at ND(50) mg/Kg. No PRGs exist for TEPH-HO.
- ◆ Composite soil sample SB3+SB4-10'+15', collected from 10' and 15' depth adjacent to the associated sump/tank, did not have a detectable concentration of TEPH-HO.

3.2 Volatile Organic Compounds in Soil

Analytical results for Volatile Organic Compounds (VOCs) in soil are tabulated in Table B, in Appendix C. Following is a summary of VOC results:

- ◆ No VOCs were detected in any of the borehole composite soil samples.

3.3 CAM 17 Metals in Soil

Analytical results for CAM 17 Metals in soil are tabulated in Table C, in Appendix C. Table 1, in Appendix A, presents the range of results for each detected metal and a comparison with published levels of natural soil concentrations for metals. Table 2, in Appendix A, presents detected analytes and Preliminary Remediation Goals (PRGs). Following is a summary of CAM 17 Metals results:

- ◆ Ten (10) of the CAM17 metals analyzed were detected in each of the four composite soil samples.
- ◆ The concentrations of the CAM 17 metals sampled at the site are within the range of natural-occurring typical background concentrations.
- ◆ Nine (9) of the ten (10) metals detected were below PRGs for residential and industrial soils.
- ◆ Some of the arsenic concentrations detected were above the PRG when using the arsenic cancer endpoint. All of the detected arsenic concentrations were below the PRG when using the noncancer endpoint for arsenic.

4.0 Groundwater Sampling Results

Groundwater samples were collected with a geoprobe from borings SB1 and SB3. Geoprobe groundwater samples have a greater uncertainty with respect to analytical results, compared to sampling a properly installed monitoring well, for collecting a representative groundwater sample. Boring SB1 is located adjacent to the hydraulic lift. Boring SB3 is located adjacent to the hydraulic oil tank/sump. Figure 5, in Appendix B, identifies groundwater sampling locations and a summary of analytical results.

Groundwater sampling results are summarized in Tables D, E, and F, in Appendix C. Chain-of-custody records are provided in Appendix D. Laboratory data sheets are presented in Appendix E. Tables 3 and 4, in Appendix A, present "Detected Metals and Comparative Water Concentrations" and "Water Quality Criteria for Detected Groundwater Analytes", respectively. Water concentrations for comparison with detected metals are for typical worldwide groundwater concentrations (Dragon, 1988), average worldwide seawater concentrations (USGS, 1985), and for San Francisco Bay waters off Alameda (Port of Oakland, 1998).

4.1 TEPH as Hydraulic Oil in Groundwater

Analytical results for Total Extractable Petroleum Hydrocarbons as Hydraulic Oil (TEPH-HO) in groundwater are tabulated in Table D, in Appendix C. Following is a summary of TEPH-HO results:

- ◆ Geoprobe groundwater sample SB1-GW, collected adjacent to the hydraulic lift, did not have detectable concentrations of TEPH-HO.
- ◆ Geoprobe groundwater sample SB3-GW, collected adjacent to the hydraulic system tank/sump, had a concentration of 2.6 mg/L TEPH-HO. Because of potential false positive results when collecting groundwater with a geoprobe, if this is a concentration of concern, further characterization of the groundwater may be necessary.

4.2 Volatile Organic Compounds in Groundwater

Analytical results for Volatile Organic Compounds (VOCs) in groundwater are tabulated in Table E, in Appendix C. Following is a summary of VOC results:

- ◆ No VOCs were detected in the two (2) geoprobe borings groundwater samples.

4.3 CAM 17 Metals in Groundwater

Analytical results for CAM 17 Metals in groundwater are tabulated in Table F, in Appendix C. Following is a summary of CAM 17 Metals results:

- ◆ Groundwater samples SB1-GW and SB3-GW, collected adjacent to the hydraulic lift and associated sump/tank, respectively, detected eight (8) of the CAM17 metals analyzed
- ◆ Groundwater sampling results for Arsenic, Copper, Molybdenum, and Vanadium were above the upper range for natural-occurring typical groundwater concentrations
- ◆ Groundwater sampling results were below available Water Quality Criteria for San Francisco Bay water off Alameda for Arsenic, Nickel, and Zinc, and above Water Quality Criteria for Copper.

5.0 Conclusions and Recommendations

5.1 Conclusions

Following are conclusions associated with the March 10, 2003 soil and groundwater sampling event:

1. Composite soil samples collected adjacent to the hydraulic lift did not have detectable concentrations of Total Extractable Petroleum Hydrocarbons as Hydraulic Oil (TEPH-HO).
2. A soil sample (SB4-2.5') collected adjacent to the hydraulic system tank/sump had a detectable concentration of 190 mg/Kg.
3. Composite soil sample collected from 10' and 15' depth adjacent to the hydraulic system sump/tank did not have a detectable concentration of TEPH-HO.
4. No VOCs were detected in any of the borehole composite soil samples.
5. Ten (10) of the CAM 17 metals were detected in soil.
6. Detected metal concentrations in soil are within the range of natural-occurring typical background concentrations.
7. Nine (9) of the ten (10) metals detected in soil were below Preliminary Remediation Goals (PRGs) for residential and industrial soils.
8. Some of the arsenic concentrations detected in soil were above the PRG when using the arsenic cancer endpoint. All of the detected arsenic concentrations were below the PRG when using the noncancer endpoint for arsenic.
9. Geoprobe groundwater sample SB1-GW, collected adjacent to the hydraulic lift, did not have detectable concentrations of TEPH-HO.
10. Geoprobe groundwater sample SB3-GW, collected adjacent to the hydraulic system tank/sump, had a concentration of 2.6 mg/L TEPH-HO. Because of potential false positive results when collecting groundwater with a geoprobe, if this is a concentration of concern, further characterization of the groundwater may be necessary.
11. No VOCs were detected in the two (2) geoprobe boring groundwater samples.
12. Groundwater samples SB1-GW and SB3-GW, collected adjacent to the hydraulic lift and associated sump/tank, respectively, detected eight (8) of the CAM17 metals analyzed.
13. Groundwater sampling results for Arsenic, Copper, Molybdenum, and Vanadium were above the upper range for natural-occurring typical groundwater concentrations.
14. Groundwater sampling results were below Water Quality Criteria for San Francisco Bay water off Alameda for Arsenic, Nickel, and Zinc, and above Water Quality Criteria for Copper.

5.2 Recommendations

1. The underground sump/tank and any significant hydraulic oil found in soil should eventually be removed. Since the hydraulic system sump/tank straddles a wall of the building, the removal of the sump/tank could occur if and when the building is eventually demolished.
2. Because of potential false positive results when collecting groundwater with a geoprobe, if the finding of 2.6 mg/L TEPH-HO with a geoprobe is of concern, further characterization of the groundwater may be necessary.
3. Sampling results should be presented to the appropriate regulatory agency. Discussions with the regulatory agency will help to determine if and when the hydraulic system sump/tank and contaminated soil should be removed and if further characterization of the groundwater is necessary.

6.0 References

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Appendix A

Tables

Table 1
DETECTED METALS AND NATURAL SOIL CONCENTRATIONS

Building 4 – Hydraulic Lift
Alameda Federal Center
Alameda, California

Metal	Detected Concentration Range	California Background Concentrations ¹	Western U.S. Background Concentrations ²
	(mg/Kg)	(mg/Kg)	(mg/Kg)
Arsenic (As)	1.4 to 2.9	0.6 to 11.0	<0.01 to 97
Barium (Ba)	22 to 68	133 to 1,400	70 to 5,000
Cadmium (Cd)	0.61 to 1.4	0.05 to 1.70	<1 to 10
Chromium (Cr)	20 to 28	23 to 1,579	3.0 to 2,000
Cobalt (Co)	3.2 to 8.6	2.7 to 46.9	<3 to 50
Copper (Cu)	3.6 to 14	9.1 to 96.4	2 to 300
Lead (Pb)	1.4 to 6.4	12.4 to 97.1	<10 to 700
Nickel (Ni)	18 to 31	9 to 509	<5 to 700
Vanadium (V)	12 to 25	39 to 288	7 to 500
Zinc (Zn)	12 to 23	88 to 236	10 to 2,100

notes: ¹ = Kearny, 1996.

² = Bowen, 1979 Shacklette and Boerngen 1984

Table 2
PRELIMINARY REMEDIATION GOALS FOR DETECTED SOIL ANALYTES

Building 4 – Hydraulic Lift
Alameda Federal Center
Alameda, California

Analyte	Concentration Range	Preliminary Remediation Goals Residential Soil	Preliminary Remediation Goals Industrial Soil
	(mg/Kg)	(mg/Kg)	(mg/Kg)
Total Extractable Petroleum Hydrocarbons (TEPH) - Hydraulic Oil (-HO)	TEPH-HO: ND(50) to 190	NA	NA
<u>Metals:</u>			
Arsenic (As)	1.4 to 2.9	22 ¹ , 0.39 ²	260 ¹ , 1.6 ²
Barium (Ba)	22 to 68	5,400	67,000
Cadmium (Cd)	0.61 to 1.4	37	450
Chromium (Cr)	20 to 28	210 ⁴	450 ⁴
Cobalt (Co)	3.2 to 8.6	900	1,900
Copper (Cu)	3.6 to 14	3,100	41,000
Lead (Pb)	1.4 to 6.4	400, 150 ³	750
Nickel (Ni)	18 to 31	1,600	20,000
Vanadium (Vn)	12 to 25	550	7,200
Zinc (Zn)	12 to 23	23,000	100,000

- notes
- ¹ = Arsenic (noncancer endpoint)
 - ² = Arsenic (cancer endpoint)
 - ³ = Cal-Modified PRG
 - ⁴ = Total Chromium (1:6 ratio Cr VI:Cr III)

Table 3
DETECTED METALS AND COMPARATIVE WATER CONCENTRATIONS

Building 4 – Hydraulic Lift
Alameda Federal Center
Alameda, California

Detected Metals	Concentration Range	Natural Concentrations in Groundwater ¹	Natural Concentration in Seawater ²	S.F. Bay Alameda Water Quality Data ³
	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Arsenic (As)	0.011 to 0.050	<0.001 to 0.030	0.003	0.00149 to 0.00234
Barium (Ba)	0.11 to 0.14	0.010 to 0.50	0.02	NA
Copper (Cu)	0.029 to 0.045	<0.0010 to 0.030	0.003	0.00177 to 0.00229
Molybdenum (Mo)	0.014 to 0.065	<0.0010 to 0.030	0.01	NA
Nickel (Ni)	ND(0.0050) to 0.0052	<0.010 to 0.050	0.007	<=0.008 ⁴
Thallium (Tl)	ND(0.0050) to 0.0057	N/A	N/A	NA
Vanadium (V)	ND(0.0050) to 0.075	<0.0010 to 0.010	0.002	NA
Zinc (Zn)	ND(0.010) to 0.058	<0.010 to 2.0	0.01	0.00108 to 0.00198

notes: ¹ = Dragun, 1988.

² = USGS, 1985.

³ = Port of Oakland, 1998.

⁴ = SF Bay South, Port of Oakland, 1998.

Table 4
 WATER QUALITY CRITERIA FOR DETECTED GROUNDWATER ANALYTES

Building 4 – Hydraulic Lift
 Alameda Federal Center
 Alameda, California

Analyte	Detected Analyte & Concentration Range	Water Quality Criteria ¹
	(mg/L)	S.F. Bay South (mg/L)
Total Extractable Petroleum Hydrocarbons (TEPH) - Hydraulic Oil (-HO)	TEPH-HO: ND(0.5) to 2.6	TEPH-HO: N/A
<u>Metals:</u>		
Arsenic (As)	0.011 to 0.050	0.36 ² 0.069 ³
Barium (Ba)	0.11 to 0.14	NA
Copper (Cu)	0.029 to 0.045	0.0092 ² 0.0029 ³
Molybdenum (Mo)	0.014 to 0.065	NA
Nickel (Ni)	ND(0.0050) to 0.0052	1.41 ²
Thallium (Tl)	ND(0.0050) to 0.0057	NA
Vanadium (V)	ND(0.0050) to 0.075	NA
Zinc (Zn)	ND(0.010) to 0.058	0.21 ²

notes: 1 = Water Quality Criteria apply to surface water bodies and not directly to groundwater. Please note that groundwater concentrations discharging into a surface water body will tend to be diluted by the surface water body and decrease in concentration.

2 = One hour average with salinity <5 parts per thousand (ppt)

3 = One hour average with salinity >5 ppt

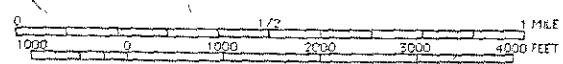
Appendix B

Figures



Alameda Federal Center
620 Central Avenue, Alameda, California

**Figure 1: Regional Location
 Alameda Federal Center
 Alameda, California**

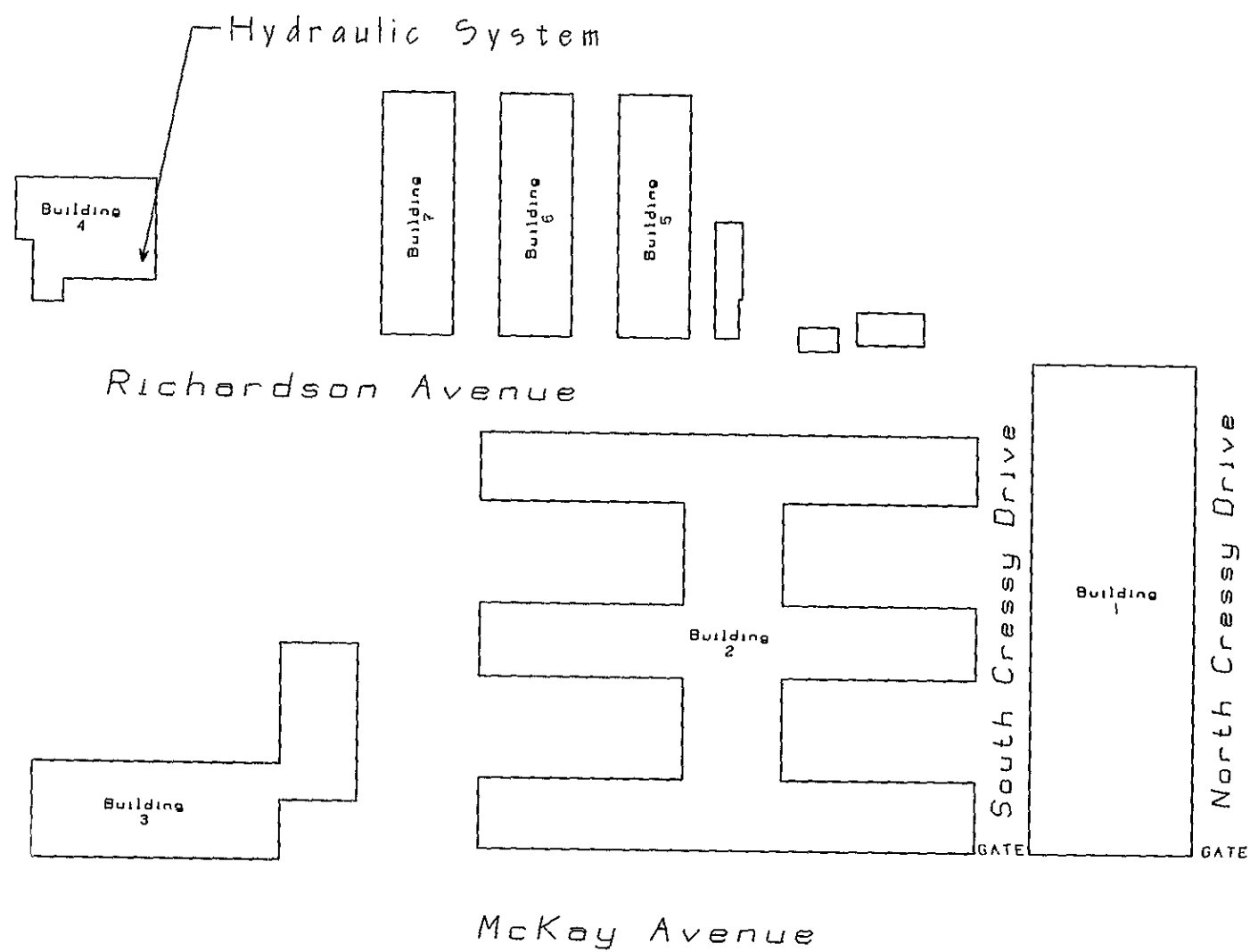


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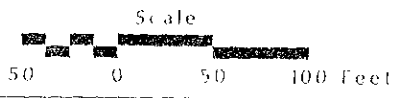
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Figure 2



Site Location
 Building 4 Hydraulic System
 Alameda Federal Center
 620 Central Avenue
 Alameda, California

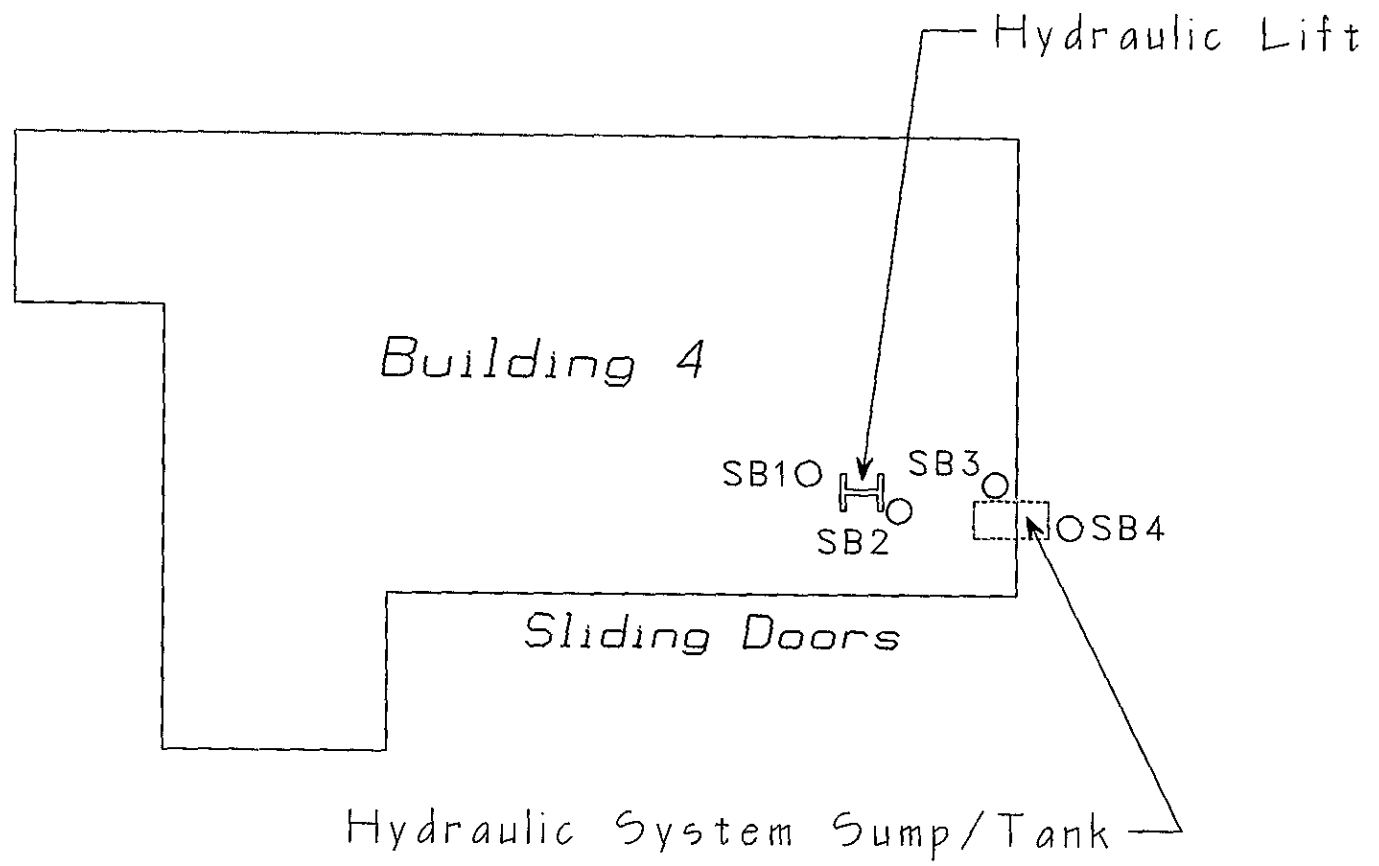


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Locations Approx.		

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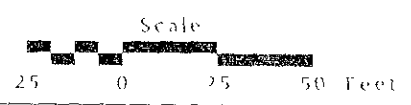
Drawing Number FIG3SCR.gcd

Figure 3



Legend

SB1
o Borehole



Alameda Federal Center
620 Central Avenue
Alameda, California

March 10, 2003
Boring Locations
Building 4 Hydraulic System

Date: 3-25-2003
Locations Approx.

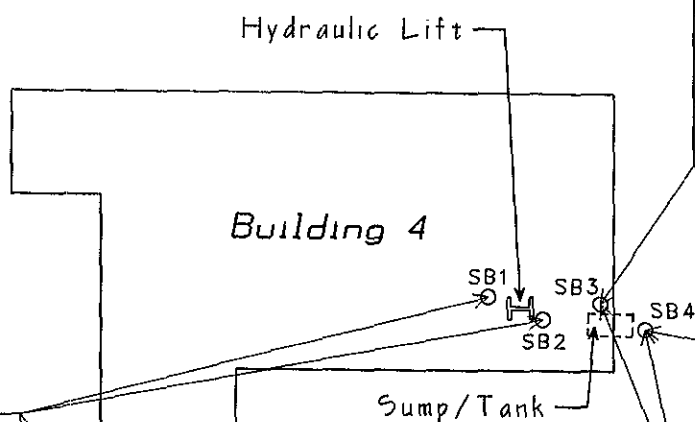
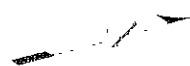
Figure 3

Drawing Number
FIG3SCR.gcd

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Drawing Number FIG4SCR.gcd

Figure 4



SB1+SB2-2.5'-5'		SB1+SB2-10'-15'	
March 10, 2003 results:		March 10, 2003 results:	
(mg/Kg)		(mg/Kg)	
TEPH Hydraulic Oil	ND(50)	TEPH Hydraulic Oil	ND(50)
VOCs	none detected	VOCs	none detected
Metals:			
Arsenic	2.2	Arsenic	1.4
Barium	68	Barium	27
Cadmium	1.1	Cadmium	0.79
Chromium	28	Chromium	27
Cobalt	8.6	Cobalt	3.8
Copper	14	Copper	4.7
Lead	1.8	Lead	1.6
Nickel	31	Nickel	23
Vanadium	25	Vanadium	14
Zinc	23	Zinc	15

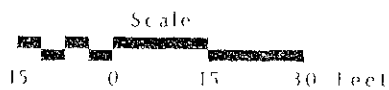
SB3+SB4-2.5'-5'		SB3+SB4-10'-15'	
March 10, 2003 results:		March 10, 2003 results:	
(mg/Kg)		(mg/Kg)	
TEPH-Hydraulic Oil	53	TEPH-Hydraulic Oil	ND(50)
VOCs	none detected	VOCs	none detected
Metals:			
Arsenic	2.9	Arsenic	1.7
Barium	28	Barium	22
Cadmium	0.94	Cadmium	0.61
Chromium	21	Chromium	20
Cobalt	4.3	Cobalt	3.2
Copper	7.6	Copper	3.6
Lead	6.4	Lead	1.4
Nickel	20	Nickel	18
Vanadium	15	Vanadium	12
Zinc	20	Zinc	12

SB3-2.5'	SB3-5'
March 10, 2003 results:	March 10, 2003 results:
(mg/Kg)	(mg/Kg)
TEPH-Hydraulic Oil	ND(50)
TEPH-Hydraulic Oil	ND(50)

SB4-2.5'	SB4-5'
March 10, 2003 results:	March 10, 2003 results:
(mg/Kg)	(mg/Kg)
TEPH-Hydraulic Oil	190
TEPH-Hydraulic Oil	ND(50)

Legend

SBI
 ○ Borehole



Alameda Federal Center
 620 Central Avenue
 Alameda, California

March 10, 2003
 Soil Sampling Results
 Building 4 Hydraulic System

Date: 3-25-2003
 Locations Approx.

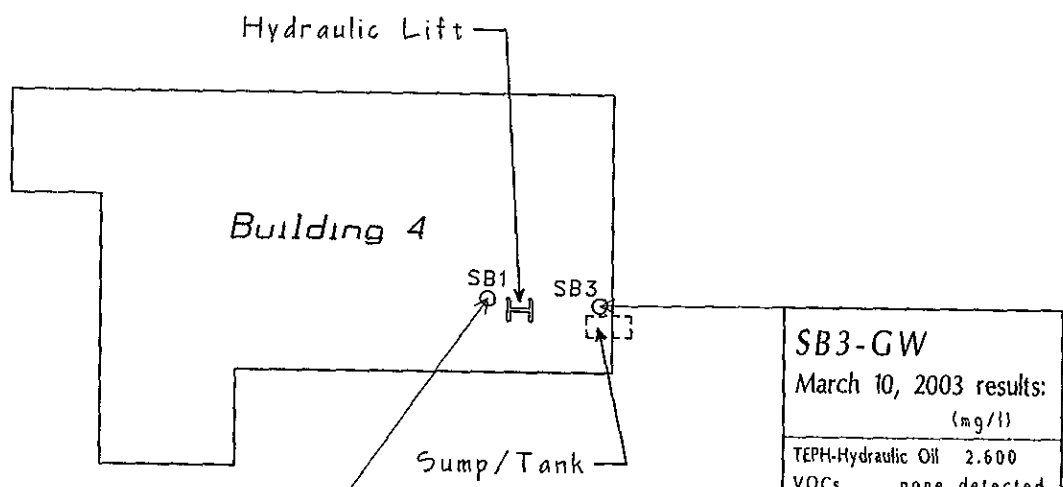
Figure 4

Drawing Number
 FIG4SCR.gcd

Drawn by M.J. 3-25-2003

Drawing Number FIG5SCR.gcd

Figure 5

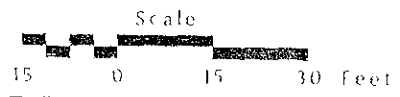


SB1-GW	
March 10, 2003 results:	
(mg/l)	
TEPH-Hydraulic Oil	ND(0.500)
VOCs	none detected
Metals:	
Arsenic	0.011
Barium	0.14
Copper	0.045
Molybdenum	0.014
Nickel	0.0052
Thallium	0.0057
Vanadium	ND(0.0050)
Zinc	0.058

SB3-GW	
March 10, 2003 results:	
(mg/l)	
TEPH-Hydraulic Oil	2.600
VOCs	none detected
Metals:	
Arsenic	0.050
Barium	0.11
Copper	0.029
Molybdenum	0.065
Nickel	ND(0.0050)
Thallium	ND(0.0050)
Vanadium	0.075
Zinc	ND(0.0002)

Legend

SB1
○ Borehole



Alameda Federal Center
620 Central Avenue
Alameda, California

March 10, 2003
Groundwater Sampling Results
Building 4 Hydraulic System

Date: 3-25-2003
Locations Approx.

Figure 5

Drawing Number
FIG5SCR.gcd

Appendix C

Summary Tables of Soil Laboratory Results

Table A
 TEPH AS HYDRAULIC OIL
 MARCH 10, 2003 SOIL RESULTS
 Building 4 - Hydraulic Lift
 Alameda Federal Center
 (EPA Methods 8015M)
 {mg/Kg}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	TEPH-Hydraulic Oil
SB1+SB2-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (50)
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (50)
SB3+SB4-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	53
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (50)
SB3-2.5'	3/10/2003	2.5'	Soil	STL-SF	ND (50)
SB3-5'	3/10/2003	5'	Soil	STL-SF	ND (50)
SB4-2.5'	3/10/2003	2.5'	Soil	STL-SF	190
SB4-5'	3/10/2003	5'	Soil	STL-SF	ND (50)

notes
 TEPH Total Extractable Petroleum Hydrocarbons
 ND(10) = Not detected above the reporting limit.

Table B
 VOLATILE ORGANIC COMPOUNDS
 MARCH 10, 2003 SOIL RESULTS
 Building 4 - Hydraulic Lift - Alameda Federal Center
 (EPA Method 8260B)
 (mg/Kg)

Sample ID	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>Acetone</u>	<u>Benzene</u>	<u>Bromodichloromethane</u>	<u>Bromobenzene</u>	<u>Bromochloromethane</u>	<u>Bromoform</u>	<u>Bromomethane</u>	<u>2-Butanone (MEK)</u>	<u>n-Butylbenzene</u>
SB1+SB2-2 5'+5'	3/10/2003	2 5' & 5'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.020)	ND (0.0050)	ND (0.010)	ND (0.050)	ND (0.0050)
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.020)	ND (0.0050)	ND (0.010)	ND (0.050)	ND (0.0050)
SB3+SB4-2 5'+5'	3/10/2003	2 5' & 5'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.020)	ND (0.0050)	ND (0.010)	ND (0.050)	ND (0.0050)
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.020)	ND (0.0050)	ND (0.010)	ND (0.050)	ND (0.0050)

Sample ID	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>sec-Butylbenzene</u>	<u>tert-Butylbenzene</u>	<u>Carbon disulfide</u>	<u>Carbon tetrachloride</u>	<u>Chlorobenzene</u>	<u>Chloroethane</u>	<u>2-Chloroethylvinyl ether</u>	<u>Chloroform</u>	<u>Chloromethane</u>
SB1+SB2-2 5'+5'	3/10/2003	2 5' & 5'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.010)	ND (0.050)	ND (0.0050)	ND (0.010)
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.010)	ND (0.050)	ND (0.0050)	ND (0.010)
SB3+SB4-2 5'+5'	3/10/2003	2 5' & 5'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.010)	ND (0.050)	ND (0.0050)	ND (0.010)
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.010)	ND (0.050)	ND (0.0050)	ND (0.010)

notes

STL-SF Severn Trent Services - San Francisco

ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table B
VOLATILE ORGANIC COMPOUNDS
MARCH 10, 2003 SOIL RESULTS
Building 4 - Hydraulic Lift - Alameda Federal Center
(EPA Method 8260B)
{mg/Kg}

Sample ID	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>2-Chlorotoluene</u>	<u>4-Chlorotoluene</u>	<u>Dibromochloromethane</u>	<u>1,2-Dibromo-3-chloropropane</u>	<u>1,2-Dibromoethane</u>	<u>Dibromomethane</u>	<u>1,2-Dichlorobenzene</u>	<u>1,3-Dichlorobenzene</u>	<u>1,4-Dichlorobenzene</u>
SB1+SB2-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.050)	ND (0.010)	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.050)	ND (0.010)	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB3+SB4-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.050)	ND (0.010)	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.050)	ND (0.010)	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)

Sample ID	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>Dichlorodifluoromethane</u>	<u>1,1-Dichloropropene</u>	<u>1,3-Dichloropropane</u>	<u>2,2-Dichloropropane</u>	<u>1,1-Dichloroethane</u>	<u>1,2-Dichloroethane</u>	<u>1,1-Dichloroethene</u>	<u>cis-1,2-Dichloroethene</u>	<u>trans-1,2-Dichloroethene</u>
SB1+SB2-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB3+SB4-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)

notes
 STL-SF Severn Trent Services - San Francisco
 ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table B
 VOLATILE ORGANIC COMPOUNDS
 MARCH 10, 2003 SOIL RESULTS
 Building 4 - Hydraulic Lift - Alameda Federal Center
 (EPA Method 8260B)
 {mg/Kg}

Sample ID	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>1,2-Dichloropropane</u>	<u>dis-1,3-Dichloropropene</u>	<u>trans-1,3-Dichloropropene</u>	<u>Ethylbenzene</u>	<u>Hexachlorobutadiene</u>	<u>2-Hexanone</u>	<u>Isopropylbenzene</u>	<u>p-Isopropyltoluene</u>	<u>Methylene Chloride</u>
SB1+SB2-2 5'+5'	3/10/2003	2 5' & 5'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.050)	ND (0.0050)	ND (0.0050)	ND (0.010)
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.050)	ND (0.0050)	ND (0.0050)	ND (0.010)
SB3+SB4-2 5'+5'	3/10/2003	2 5' & 5'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.050)	ND (0.0050)	ND (0.0050)	ND (0.010)
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.050)	ND (0.0050)	ND (0.0050)	ND (0.010)

Sample ID	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>4-Methyl-2-pentanone (MIBK)</u>	<u>MTBE</u>	<u>Naphthalene</u>	<u>n-Propylbenzene</u>	<u>Styrene</u>	<u>1,1,1,2-Tetrachloroethane</u>	<u>1,1,2,2-Tetrachloroethane</u>	<u>Tetrachloroethene</u>	<u>Toluene</u>
SB1+SB2-2 5'+5'	3/10/2003	2 5' & 5'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB3+SB4-2 5'+5'	3/10/2003	2 5' & 5'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)

notes
 STL SF Severn Trent Services San Francisco
 ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table B
VOLATILE ORGANIC COMPOUNDS
MARCH 10, 2003 SOIL RESULTS
Building 4 - Hydraulic Lift - Alameda Federal Center
(EPA Method 8260B)
{mg/Kg}

Sample ID	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>1,2,3-Trichlorobenzene</u>	<u>1,2,4-Trichlorobenzene</u>	<u>1,1,1-Trichloroethane</u>	<u>1,1,2-Trichloroethane</u>	<u>Trichloroethene</u>	<u>Trichlorofluoromethane</u>	<u>Trichlorotrifluoroethane</u>	<u>1,2,4-Trimethylbenzene</u>	<u>1,3,5-Trimethylbenzene</u>
SB1+SB2-2 5'+5'	3/10/2003	2 5' & 5'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB3+SB4-2 5'+5'	3/10/2003	2 5' & 5'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)

Sample ID	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>Vinyl Acetate</u>	<u>Vinyl Chloride</u>	<u>Total Xylenes</u>
SB1+SB2-2 5'+5'	3/10/2003	2 5' & 5'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.0050)
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.0050)
SB3+SB4-2 5'+5'	3/10/2003	2 5' & 5'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.0050)
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.0050)

notes

STL-SF Severn Trent Services - San Francisco

ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table C
METALS
MARCH 10, 2003 SOIL RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Methods 3050b/7471A/6010B)
{mg/Kg}

Sample ID	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)
SB1+SB2-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (2.0)	2.2	68	ND (0.50)	1.4	28	8.6	14	1.8
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (2.0)	1.4	27	ND (0.50)	0.79	27	3.8	4.7	1.6
SB3+SB4-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (2.0)	2.9	28	ND (0.50)	0.94	21	4.3	7.6	6.4
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (2.0)	1.7	22	ND (0.50)	0.61	20	3.2	3.6	1.4

notes

STL-SF - Severn Trent Services - San Francisco

ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table C
METALS
MARCH 10, 2003 SOIL RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Methods 3050b/7471A/6010B)
{mg/Kg}

Sample ID	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	Hg - Mercury	Molybdenum (Mo)	Nickel (Ni)	Selenium (Se)	Silver (Ag)	Thallium (Tl)	Vanadium (V)	Zinc (Zn)
SB1+SB2-2 5'+5'	3/10/2003	2 5' & 5'	Soil	STL-SF	ND (0.050)	ND (1.0)	31	ND (2.0)	ND (1.0)	ND (1.0)	25	23
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.050)	ND (1.0)	23	ND (2.0)	ND (1.0)	ND (1.0)	14	15
SB3+SB4-2 5'+5'	3/10/2003	2 5' & 5'	Soil	STL-SF	ND (0.050)	ND (1.0)	20	ND (2.0)	ND (1.0)	ND (1.0)	15	20
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.050)	ND (1.0)	18	ND (2.0)	ND (1.0)	ND (1.0)	12	12

notes

STL-SF Severn Trent Services - San Francisco

ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table D
 TEPH AS HYDRAULIC OIL
 MARCH 10, 2003 GROUNDWATER RESULTS
 Building 4 - Hydraulic Lift
 Alameda Federal Center
 (EPA Methods 8015M)
 {mg/L}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	TEPH-Hydraulic Oil
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.500)
SB3-GW	3/10/2003	15'	Water	STL-SF	2.600

notes

TEPH Total Extractable Petroleum Hydrocarbons
 ND(10) = Not detected above the reporting limit.

Table E
 VOLATILE ORGANIC COMPOUNDS
 MARCH 10, 2003 GROUNDWATER RESULTS
 Building 4 - Hydraulic Lift
 Alameda Federal Center
 (EPA Method 8260B)
 {mg/L}

Sample ID	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>Acetone</u>	<u>Benzene</u>	<u>Bromodichloromethane</u>	<u>Bromobenzene</u>	<u>Bromochloromethane</u>	<u>Bromoform</u>	<u>Bromomethane</u>	<u>2-Butanone (MEK)</u>	<u>n-Butylbenzene</u>
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.050)	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.0010)	ND (0.00050)	ND (0.0010)	ND (0.050)	ND (0.0010)
SB3-GW	3/10/2003	15'	Water	STL-SF	ND (0.050)	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.0010)	ND (0.00050)	ND (0.0010)	ND (0.050)	ND (0.0010)

notes
 STL-SF Severn Trent Services - San Francisco
 ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table E
 VOLATILE ORGANIC COMPOUNDS
 MARCH 10, 2003 GROUNDWATER RESULTS
 Building 4 - Hydraulic Lift
 Alameda Federal Center
 (EPA Method 8260B)
 (mg/L)

Sample ID	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>sec-Butylbenzene</u>	<u>tert-Butylbenzene</u>	<u>Carbon disulfide</u>	<u>Carbon tetrachloride</u>	<u>Chlorobenzene</u>	<u>Chloroethane</u>	<u>2-Chloroethyvinyl ether</u>	<u>Chloroform</u>	<u>Chloromethane</u>
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.0010)	ND (0.0010)	ND (0.0050)	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.0050)	ND (0.0010)	ND (0.0010)
SB3-GW	3/10/2003	15'	Water	STL-SF	ND (0.0010)	ND (0.0010)	ND (0.0050)	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.0050)	ND (0.0010)	ND (0.0010)

notes

STL-SF Severn Trent Services - San Francisco

ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table E
 VOLATILE ORGANIC COMPOUNDS
 MARCH 10, 2003 GROUNDWATER RESULTS
 Building 4 - Hydraulic Lift
 Alameda Federal Center
 (EPA Method 8260B)
 {mg/L}

Sample ID	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>2-Chlorotoluene</u>	<u>4-Chlorotoluene</u>	<u>Dibromochloromethane</u>	<u>1,2-Dibromo-3-chloropropane</u>	<u>1,2-Dibromoethane</u>	<u>Dibromomethane</u>	<u>1,2-Dichlorobenzene</u>	<u>1,3-Dichlorobenzene</u>	<u>1,4-Dichlorobenzene</u>
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)
SB3-GW	3/10/2003	15'	Water	STL-SF	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)

notes

STL-SF Severn Trent Services - San Francisco
 ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table E
 VOLATILE ORGANIC COMPOUNDS
 MARCH 10, 2003 GROUNDWATER RESULTS
 Building 4 - Hydraulic Lift
 Alameda Federal Center
 (EPA Method 8260B)
 {mg/L}

Sample ID	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>Dichlorodifluoromethane</u>	<u>1,1-Dichloropropene</u>	<u>1,3-Dichloropropane</u>	<u>2,2-Dichloropropane</u>	<u>1,1-Dichloroethane</u>	<u>1,2-Dichloroethane</u>	<u>1,1-Dichloroethene</u>	<u>cis-1,2-Dichloroethene</u>	<u>trans-1,2-Dichloroethene</u>
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)
SB3-GW	3/10/2003	15'	Water	STL-SF	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)

notes
 STL SF Severn Trent Services - San Francisco
 ND(10) - Not detected above the laboratory reporting limit in parentheses.

Table E
VOLATILE ORGANIC COMPOUNDS
MARCH 10, 2003 GROUNDWATER RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Method 8260B)
{mg/L}

Sample ID	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>1,2-Dichloropropane</u>	<u>cis-1,3-Dichloropropene</u>	<u>trans-1,3-Dichloropropene</u>	<u>Ethylbenzene</u>	<u>Hexachlorobutadiene</u>	<u>2-Hexanone</u>	<u>Isopropylbenzene</u>	<u>p-Isopropyltoluene</u>	<u>Methylene Chloride</u>
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.050)	ND (0.00050)	ND (0.0010)	ND (0.0050)
SB3-GW	3/10/2003	15'	Water	STL-SF	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.050)	ND (0.00050)	ND (0.0010)	ND (0.0050)

notes

STL-SF Severn Trent Services - San Francisco

ND(0) - Not detected above the laboratory reporting limit in parentheses.

Table E
VOLATILE ORGANIC COMPOUNDS
MARCH 10, 2003 GROUNDWATER RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Method 8260B)
{mg/L}

Sample ID	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>4-Methyl-2-pentanone (MIBK)</u>	<u>MTBE</u>	<u>Naphthalene</u>	<u>n-Propylbenzene</u>	<u>Styrene</u>	<u>1,1,1,2-Tetrachloroethane</u>	<u>1,1,2,2-Tetrachloroethane</u>	<u>Tetrachloroethene</u>	<u>Toluene</u>
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.050)	ND (0.0050)	ND (0.0010)	ND (0.0010)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)
SB3-GW	3/10/2003	15'	Water	STL-SF	ND (0.050)	ND(0.0050)	ND (0.0010)	ND (0.0010)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)

notes

STL-SF Severn Trent Services San Francisco
 ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table E
VOLATILE ORGANIC COMPOUNDS
MARCH 10, 2003 GROUNDWATER RESULTS
 Building 4 - Hydraulic Lift
 Alameda Federal Center
 (EPA Method 8260B)
 {mg/L}

Sample ID	Sampling Date	Sampling Depth (ft)	Matrix	Lab	<u>1,2,3-Trichlorobenzene</u>	<u>1,2,4-Trichlorobenzene</u>	<u>1,1,1-Trichloroethane</u>	<u>1,1,2-Trichloroethane</u>	<u>Trichloroethene</u>	<u>Trichlorofluoromethane</u>	<u>Trichlorotrifluoroethane</u>	<u>1,2,4-Trimethylbenzene</u>	<u>1,3,5-Trimethylbenzene</u>
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.0010)	ND (0.0010)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.00050)	ND (0.00050)	ND (0.00050)
SB3-GW	3/10/2003	15'	Water	STL-SF	ND (0.0010)	ND (0.0010)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.00050)	ND (0.00050)	ND (0.00050)

notes
 STL SF Severn Trent Services - San Francisco
 ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table E
VOLATILE ORGANIC COMPOUNDS
MARCH 10, 2003 GROUNDWATER RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Method 8260B)
{mg/L}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	Vinyl Acetate	Vinyl Chloroide	Total Xylenes
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.025)	ND (0.00050)	ND (0.0010)
SB3-GW	3/10/2003	15'	Water	STL-SF	ND (0.025)	ND (0.00050)	ND (0.0010)

notes
 STL-SF Severn Trent Services - San Francisco
 ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table F
METALS
MARCH 10, 2003 GROUNDWATER RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Methods 3050b/7471A/6010B)
{mg/L}

Sample ID	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.0050)	0.011	0.14	ND (0.0050)	ND (0.0020)	ND (0.0050)	ND (0.0050)	0.045	ND (0.0050)
SB3-GW	3/10/2003	15'	Water	STL-SF	ND (0.0050)	0.050	0.11	ND (0.0050)	ND (0.0020)	ND (0.0050)	ND (0.0050)	0.029	ND (0.0050)

notes

STL-SF Severn Trent Services San Francisco
 ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table F
METALS
MARCH 10, 2003 GROUNDWATER RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Methods 3050b/7471A/6010B)
{mg/L}

Sample ID	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	Hg - Mercury	Molybdenum (Mo)	Nickel (Ni)	Selenium (Se)	Silver (Ag)	Thallium (Tl)	Vanadium (V)	Zinc (Zn)
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.00020)	0.014	0.0052	ND (0.0050)	ND (0.0050)	0.0057	ND (0.0050)	0.058
SB3-GW	3/10/2003	15'	Water	STL-SF	ND (0.00020)	0.065	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.075	ND (0.010)

notes

STL-SF Severn Trent Services - San Francisco

ND(10) = Not detected above the laboratory reporting limit in parentheses.

Appendix D

Chain-of-Custody Records



STL San Francisco

Chain of Custody

1220 Quarry Lane • Pleasanton CA 94566-4756

Phone: (925) 484-1919 • Fax: (925) 484-1096

Email: info@chromalab.com

Reference #: 72510

2003-03-0178

Date 3/10/03 Page 1 of 23

Report To

Attn Voytek Bajsanowicz / Mark Jonas, R.G.

Company JONAS & ASSOCIATES, INC.

Address 1350 Arnold Dr., S 202, Martinez, CA 94553

Phone 925/374-0020

Email voytek@jonasinc.com

Bill To Jonas & Associates, Inc
Same as above

Sampled By: [Signature]

Attn SAA

Phone 925/374-0020

Analysis Request

Sample ID	Date	Time	Mat rix	Pres erv.	TPH EPA - <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260B <input type="checkbox"/> Gas w/ <input type="checkbox"/> BTEX <input type="checkbox"/> MTBE	Purgeable Aromatics BTEX EPA - <input type="checkbox"/> 8021 <input type="checkbox"/> 8260B	TEPH EPA 8015M Silica Gel <input type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input checked="" type="checkbox"/> Other <u>HO</u> <u>Hydrocarbons GEL</u>	Fuel Tests EPA 8260B <input type="checkbox"/> Gas <input type="checkbox"/> BTEX <input type="checkbox"/> Five Oxygenates <input type="checkbox"/> DCA, EDB <input type="checkbox"/> Ethanol	Purgeable Halocarbons (HVOCs) EPA 8021	Volatile Organics GC/MS (VOCs) <input checked="" type="checkbox"/> EPA 8260B <input type="checkbox"/> 624	Semivolatiles GC/MS <input type="checkbox"/> EPA 8270 <input type="checkbox"/> 625	Oil and Grease <input type="checkbox"/> Petroleum (EPA 1664) <input type="checkbox"/> Total	Pesticides <input type="checkbox"/> EPA 8081 <input type="checkbox"/> 808 PCBs <input type="checkbox"/> EPA 8082 <input type="checkbox"/> 808	PNAs by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other:	W.E.T (STLC) TCLP	Hexavalent Chromium pH (24h hold time for H ₂ O)	Spec Cond. <input type="checkbox"/> Alkalinity TSS <input type="checkbox"/> TDS	Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO ₄ <input type="checkbox"/> NO ₃ <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO ₂ <input type="checkbox"/> PO ₄	Number of Containers	
SBI-2.5'	3/10/03	0835	soil	cool																		
SBI-5'	3/10/03	0840	soil	cool																		1
SB2-2.5'	3/10/03	0930	soil	cool																		1
SB2-5'	3/10/03	0935	soil	cool																		1
SBI-10'	3/10/03	0842	soil	cool																		1
SBI-15'	3/10/03	0845	soil	cool																		1
SB2-10'	3/10/03	0937	soil	cool																		1
SB2-15'	3/10/03	0940	soil	cool																		1
SBI-GW	3/10/03	0900	water	cool																		1

Project Info				Sample Receipt			
Project Name <u>Alameda Fed. Ctr. Bldg 4</u>				# of Containers:			
Project# <u>GSA-211A</u>				Head Space:			
PO#				Temp			
Credit Card#				Conforms to record:			
T	Std 5	72h	48h	24h	Other		
A	Day						
T							
Report <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> EDD <input type="checkbox"/> State Tank Fund EDF				Special Instructions / Comments			
Please composite as marked. (ex. SBI+SB2-2.5'+5')				Please save samples until notified.			
Please save samples until notified.							

1) Relinquished by:
[Signature] 17:00
Signature _____ Time _____
Ornis Horner 3-10-03
Printed Name _____ Date _____
JONAS & ASSOCIATES, INC.
Company _____

1) Received by:
Signature _____ Time _____
Printed Name _____ Date _____
Company _____

2) Relinquished by:
Signature _____ Time _____
Printed Name _____ Date _____
Company _____

2) Received by:
Signature _____ Time _____
Printed Name _____ Date _____
Company _____

3) Relinquished by:
Signature _____ Time _____
Printed Name _____ Date _____
Company _____

3) Received by:
[Signature] 1700
Signature _____ Time _____
Ornis Horner 3/10/03
Printed Name _____ Date _____
STL-SF
Company _____

STL San Francisco

Chain of Custody

1220 Quarry Lane • Pleasanton CA 94566-4756

Phone: (925) 484-1919 • Fax: (925) 484-1096

Email: info@chromalab.com

Reference #: _____

Date 3/10/03 Page 2 of 23

2003-03-0178

Report To					Analysis Request															Number of Containers						
Attn <u>Voytek Rajsanovicz / Mark Jonas, R.G.</u>																										
Company <u>JONAS & ASSOCIATES, INC.</u>																										
Address <u>1350 Arnold Dr, S 202, Martinez, CA 94553</u>																										
Phone <u>925/374-0020</u> Email <u>voytekr@jonasinc.com</u>																										
Bill To <u>Jonas & Associates, Inc</u> Same as above																										
Attn <u>SAA</u> Phone <u>925/374-0020</u>																										
Sample ID	Date	Time	Mt. rix	Pres erv.	TPH EPA - <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260B <input type="checkbox"/> Gas w/ <input type="checkbox"/> BTEX <input type="checkbox"/> MTBE	Purgeable Aromatics BTEX EPA - <input type="checkbox"/> 8021 <input type="checkbox"/> 8260B	TEPH EPA 8015M <input type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other <u>Hydraulic Oil</u>	Fuel Tests EPA 8260B: <input type="checkbox"/> Gas <input type="checkbox"/> BTEX <input type="checkbox"/> Five Oxygenates <input type="checkbox"/> DCA, EDB <input type="checkbox"/> Ethanol	Purgeable Halocarbons (HVOCs) EPA 8021	Volatile Organics GC/MS (VOCs) <input checked="" type="checkbox"/> EPA 8260B <input type="checkbox"/> 824	Semivolatiles GC/MS <input type="checkbox"/> EPA 8270 <input type="checkbox"/> 625	Oil and Grease <input type="checkbox"/> Petroleum (EPA 1664) <input type="checkbox"/> Total	Pesticides <input type="checkbox"/> EPA 8081 <input type="checkbox"/> 608 <input type="checkbox"/> EPA 8082 <input type="checkbox"/> 608	PNAs by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other:	W.E.T (STLC) TCLP	Hexavalent Chromium pH (24h hold time for H ₂ O)	Spec Cond. <input type="checkbox"/> Alkalinity TSS <input type="checkbox"/> TDS	Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO ₄ <input type="checkbox"/> NO ₃ <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO ₂ <input type="checkbox"/> PO ₄						
S83-2.5'	3/10/03	1010	soil																							
S83-5'	3/10/03	1015	soil																							
S84-2.5'	3/10/03	1210	soil																							
S84-5'	3/10/03	1214	soil																							
S83-10'	3/10/03	1018	soil																							
S83-15'	3/10/03	1022	soil																							
S84-10'	3/10/03	1218	soil																							
S84-15'	3/10/03	1222	soil																							

Project Info		Sample Receipt		1) Relinquished by:		2) Relinquished by:		3) Relinquished by:	
Project Name		# of Containers:		Signature	Time	Signature	Time	Signature	Time
Project#		Head Space:		Printed Name	Date	Printed Name	Date	Printed Name	Date
PO#		Temp		JONAS & ASSOCIATES, INC.		Company		Company	
Credit Card#		Conforms to record:		Company		Company		Company	
T	Std 5 Day	72h	48h	24h	Other	1) Received by:		2) Received by:	
A						Signature	Time	Signature	Time
T						Printed Name	Date	Printed Name	Date
Report <input type="checkbox"/> Routine <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> EDD <input type="checkbox"/> State Tank Fund EDF <input type="checkbox"/> Gbbal ID _____		Special Instructions / Comments		Signature		Time	Signature		Time
				Printed Name		Date	Printed Name		Date
				Company			Company		
				Signature		Time	Signature		Time
				Printed Name		Date	Printed Name		Date
				Company			Company		



STL San Francisco

Chain of Custody

1220 Quarry Lane • Pleasanton CA 94566-4756

Phone: (925) 484-1919 • Fax: (925) 484-1096

Email: info@chromalab.com

Reference #: _____

2003-03-0178

Date 3/10/03 Page 3 of 3

Report To					Analysis Request															Number of Containers				
Attn: <u>Vincent Buzarovski / Hank Jones</u>																								
Company: <u>JONAS & ASSOCIATES, INC.</u>																								
Address: <u>1350 Arnold Dr., S. 202, Martinez, CA 94553</u>																								
Phone: <u>925/374-0020</u> Email: _____																								
Bill To: <u>Jonas & Associates, Inc</u> Same as above			Sampled By: <u>m/</u>																					
Attn: <u>SAA</u>			Phone: <u>(925) 374-0020</u>																					
Sample ID	Date	Time	Mat. Inv.	Pres. serv.	TPH EPA - <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260B <input type="checkbox"/> Gas w/ <input type="checkbox"/> BTEX <input type="checkbox"/> MTBE	Purgeable Aromatics BTEX EPA - <input type="checkbox"/> 8021 <input type="checkbox"/> 8260B	TEPH EPA 8015M <input type="checkbox"/> Silica Gel <input type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other: <u>HO</u>	Fuel Tests EPA 8260B: <input type="checkbox"/> Gas <input type="checkbox"/> BTEX <input type="checkbox"/> Five Oxygenates <input type="checkbox"/> DCA, EDB <input type="checkbox"/> Ethanol	Purgeable Halocarbons (HVOCs) EPA 8021	Volatile Organics GC/MS (VOCs) <input checked="" type="checkbox"/> EPA 8260B <input type="checkbox"/> 624	Semivolatiles GC/MS <input type="checkbox"/> EPA 8270 <input type="checkbox"/> 625	Oil and Grease <input type="checkbox"/> Petroleum (EPA 1664) <input type="checkbox"/> Total	Pesticides <input type="checkbox"/> EPA 8081 <input type="checkbox"/> 608 PCBs <input type="checkbox"/> EPA 8082 <input type="checkbox"/> 608	PNAs by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other: _____	W.E.T (STLC) TCLP	Hexavalent Chromium pH (24h hold time for H ₂ O)	Spec Cond. <input type="checkbox"/> Alkalinity TSS <input type="checkbox"/> TDS	Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO ₄ <input type="checkbox"/> NO ₃ <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO ₂ <input type="checkbox"/> PO ₄				
<u>SB 3-6W</u>	<u>3/10/03</u>	<u>1040</u>	<u>water</u>	<u>cool</u>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>									
<h1>ON HOLD</h1>																								

Project Info					Sample Receipt					1) Relinquished by:			2) Relinquished by:			3) Relinquished by:		
Project Name: <u>Bldg 4</u> <u>Alameda Federal Center</u>					# of Containers: _____					Signature: <u>Ornit</u> Time: <u>1700</u>			Signature: _____ Time: _____			Signature: _____ Time: _____		
Project#: <u>GSA 211A</u>					Head Space: _____					Printed Name: <u>Ornit Hormoz</u> Date: <u>3-10-03</u>			Printed Name: _____ Date: _____			Printed Name: _____ Date: _____		
PO#: _____					Temp: _____					Company: <u>JONAS & ASSOCIATES, INC.</u>			Company: _____			Company: _____		
Credit Card#: _____					Conforms to record: _____					Other: _____			Company: _____			Company: _____		
T	Std 5	72h	48h	24h	Other: _____					1) Received by:			2) Received by:			3) Received by:		
A	Day									Signature: _____ Time: _____			Signature: _____ Time: _____			Signature: <u>Nounak</u> Time: <u>1700</u>		
T										Printed Name: _____ Date: _____			Printed Name: _____ Date: _____			Printed Name: <u>Nounak</u> Date: _____		
Report <input type="checkbox"/> Routine <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> EDD <input type="checkbox"/> State Tank Fund EDF					Special Instructions / Comments: <u>Perform analysis as wanted.</u>					Signature: _____ Time: _____			Signature: _____ Time: _____			Signature: _____ Time: _____		
					<u>3/12/03 m/</u>					Printed Name: _____ Date: _____			Printed Name: _____ Date: _____			Printed Name: _____ Date: _____		
					<u>Pls wait for instructions</u>					Company: _____			Company: _____			Company: <u>STL-SF</u> Date: <u>3/10/03</u>		

STL San Francisco

Sample Receipt Checklist

Submission #: 2003- 03 - 0178

Checklist completed by: (initials) DSH Date: 03, 11 /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° C ± 2)? Temp: 6.0 °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 *splits made for metals (water) @ lab - DSH*

pH adjusted- Preservative used: HNO₃ HCl H₂SO₄ 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):

Appendix E

Laboratory Data Reports

Jonas & Associates, Inc.

March 19, 2003

1350 Arnold Drive Suite 202
Martinez, CA 94553

Attn.: Mark Jonas

Project#: GSA-211A

Project: Alameda Fed. Centr. Bldg. 4

Dear Mr. Jonas,

Attached is our report for your samples received on 03/10/2003 17:00

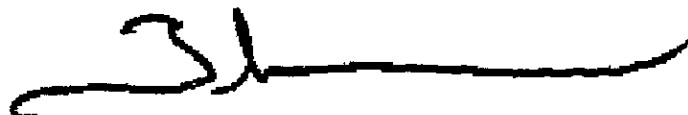
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 04/24/2003 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: tgranicher@stl-inc.com

Sincerely,



Tod Granicher
Project Manager

Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202

Martinez, CA 94553

Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB1+SB2-2.5'-5'	03/10/2003	Soil	1
SB1+SB2-10'-15'	03/10/2003	Soil	2
SB3+SB4-2.5'-5'	03/10/2003	Soil	4
SB3+SB4-10'-15'	03/10/2003	Soil	5

Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202

Martinez, CA 94553

Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s): 5035 Test(s): 8260B
 Sample ID: SB1+SB2-2.5'-5' Lab ID: 2003-03-0178 - 1
 Sampled: 03/10/2003 Extracted: 3/13/2003 18:42
 Matrix: Soil QC Batch#: 2003/03/13-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Acetone	ND	50	ug/Kg	1.00	03/13/2003 18:42	
Benzene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Bromobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Bromochloromethane	ND	20	ug/Kg	1.00	03/13/2003 18:42	
Bromoform	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Bromomethane	ND	10	ug/Kg	1.00	03/13/2003 18:42	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	03/13/2003 18:42	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Carbon disulfide	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Chlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Chloroethane	ND	10	ug/Kg	1.00	03/13/2003 18:42	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	03/13/2003 18:42	
Chloroform	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Chloromethane	ND	10	ug/Kg	1.00	03/13/2003 18:42	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	03/13/2003 18:42	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	03/13/2003 18:42	
Dibromomethane	ND	10	ug/Kg	1.00	03/13/2003 18:42	

Severn Trent Laboratories Inc

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Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202

Martinez, CA 94553

Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s): 5035 Test(s): 8260B
 Sample ID: SB1+SB2-2.5'-5' Lab ID: 2003-03-0178 - 1
 Sampled: 03/10/2003 Extracted: 3/13/2003 18:42
 Matrix: Soil QC Batch#: 2003/03/13-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	03/13/2003 18:42	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Ethylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
2-Hexanone	ND	50	ug/Kg	1.00	03/13/2003 18:42	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Methylene chloride	ND	10	ug/Kg	1.00	03/13/2003 18:42	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	03/13/2003 18:42	
Naphthalene	ND	10	ug/Kg	1.00	03/13/2003 18:42	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Styrene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Toluene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Trichloroethene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	

Severn Trent Laboratories, Inc

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Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202

Martinez, CA 94553

Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s): 5035 Test(s): 8260B
 Sample ID: SB1+SB2-2.5'-5' Lab ID: 2003-03-0178 - 1
 Sampled: 03/10/2003 Extracted: 3/13/2003 18:42
 Matrix: Soil QC Batch#: 2003/03/13-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Vinyl acetate	ND	50	ug/Kg	1.00	03/13/2003 18:42	
Vinyl chloride	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Total xylenes	ND	5.0	ug/Kg	1.00	03/13/2003 18:42	
Surrogates(s)						
4-Bromofluorobenzene	87.3	74-121	%	1.00	03/13/2003 18:42	
1,2-Dichloroethane-d4	102.1	70-121	%	1.00	03/13/2003 18:42	
Toluene-d8	101.9	81-117	%	1.00	03/13/2003 18:42	

Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

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Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s):	5035	Test(s):	8260B
Sample ID:	SB1+SB2-10'-15'	Lab ID:	2003-03-0178 - 2
Sampled:	03/10/2003	Extracted:	3/13/2003 19:18
Matrix:	Soil	QC Batch#:	2003/03/13-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Acetone	ND	50	ug/Kg	1.00	03/13/2003 19:18	
Benzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Bromobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Bromochloromethane	ND	20	ug/Kg	1.00	03/13/2003 19:18	
Bromoform	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Bromomethane	ND	10	ug/Kg	1.00	03/13/2003 19:18	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	03/13/2003 19:18	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Carbon disulfide	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Chlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Chloroethane	ND	10	ug/Kg	1.00	03/13/2003 19:18	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	03/13/2003 19:18	
Chloroform	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Chloromethane	ND	10	ug/Kg	1.00	03/13/2003 19:18	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	03/13/2003 19:18	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	03/13/2003 19:18	
Dibromomethane	ND	10	ug/Kg	1.00	03/13/2003 19:18	

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Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202

Martinez, CA 94553

Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s): 5035 Test(s): 8260B
 Sample ID: SB1+SB2-10`-15` Lab ID: 2003-03-0178 - 2
 Sampled: 03/10/2003 Extracted: 3/13/2003 19:18
 Matrix: Soil QC Batch#: 2003/03/13-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	03/13/2003 19:18	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Ethylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
2-Hexanone	ND	50	ug/Kg	1.00	03/13/2003 19:18	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Methylene chloride	ND	10	ug/Kg	1.00	03/13/2003 19:18	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	03/13/2003 19:18	
Naphthalene	ND	10	ug/Kg	1.00	03/13/2003 19:18	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Styrene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Toluene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Trichloroethene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	

Severn Trent Laboratories, Inc

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03/17/2003 14:56

Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202

Martinez, CA 94553

Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s): 5035 Test(s): 8260B
 Sample ID: SB1+SB2-10'-15' Lab ID: 2003-03-0178 - 2
 Sampled: 03/10/2003 Extracted: 3/13/2003 19:18
 Matrix: Soil QC Batch#: 2003/03/13-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Vinyl acetate	ND	50	ug/Kg	1.00	03/13/2003 19:18	
Vinyl chloride	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Total xylenes	ND	5.0	ug/Kg	1.00	03/13/2003 19:18	
Surrogates(s)						
4-Bromofluorobenzene	88.7	74-121	%	1.00	03/13/2003 19:18	
1,2-Dichloroethane-d4	99.6	70-121	%	1.00	03/13/2003 19:18	
Toluene-d8	100.1	81-117	%	1.00	03/13/2003 19:18	

Volatile Organic Compounds by 8260B (Low Level)

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Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s): 5035 Test(s): 8260B
 Sample ID: SB3+SB4-2.5'-5' Lab ID: 2003-03-0178 - 4
 Sampled: 03/10/2003 Extracted: 3/13/2003 19:55
 Matrix: Soil QC Batch#: 2003/03/13-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Acetone	ND	50	ug/Kg	1.00	03/13/2003 19:55	
Benzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Bromobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Bromochloromethane	ND	20	ug/Kg	1.00	03/13/2003 19:55	
Bromoform	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Bromomethane	ND	10	ug/Kg	1.00	03/13/2003 19:55	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	03/13/2003 19:55	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Carbon disulfide	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Chlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Chloroethane	ND	10	ug/Kg	1.00	03/13/2003 19:55	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	03/13/2003 19:55	
Chloroform	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Chloromethane	ND	10	ug/Kg	1.00	03/13/2003 19:55	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	03/13/2003 19:55	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	03/13/2003 19:55	
Dibromomethane	ND	10	ug/Kg	1.00	03/13/2003 19:55	

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

03/17/2003 14:56

Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202

Martinez, CA 94553

Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s): 5035 Test(s): 8260B
 Sample ID: SB3+SB4-2.5'-5' Lab ID: 2003-03-0178 - 4
 Sampled: 03/10/2003 Extracted: 3/13/2003 19:55
 Matrix: Soil QC Batch#: 2003/03/13-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	03/13/2003 19:55	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Ethylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
2-Hexanone	ND	50	ug/Kg	1.00	03/13/2003 19:55	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
p-isopropyltoluene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Methylene chloride	ND	10	ug/Kg	1.00	03/13/2003 19:55	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	03/13/2003 19:55	
Naphthalene	ND	10	ug/Kg	1.00	03/13/2003 19:55	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Styrene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
1,1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Toluene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Trichloroethene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	

Severn Trent Laboratories, Inc

STL San Francisco * 1220 Quarry Lane, Pleasanton CA 94566

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03/17/2003 14:56

Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202

Martinez, CA 94553

Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s): 5035 Test(s): 8260B
 Sample ID: SB3+SB4-2.5'-5' Lab ID: 2003-03-0178 - 4
 Sampled: 03/10/2003 Extracted: 3/13/2003 19:55
 Matrix: Soil QC Batch#: 2003/03/13-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Vinyl acetate	ND	50	ug/Kg	1.00	03/13/2003 19:55	
Vinyl chloride	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Total xylenes	ND	5.0	ug/Kg	1.00	03/13/2003 19:55	
Surrogates(s)						
4-Bromofluorobenzene	88.8	74-121	%	1.00	03/13/2003 19:55	
1,2-Dichloroethane-d4	102.0	70-121	%	1.00	03/13/2003 19:55	
Toluene-d8	101.1	81-117	%	1.00	03/13/2003 19:55	

Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202

Martinez, CA 94553

Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s): 5035 Test(s): 8260B
 Sample ID: SB3+SB4-10'-15' Lab ID: 2003-03-0178 - 5
 Sampled: 03/10/2003 Extracted: 3/13/2003 20:31
 Matrix: Soil QC Batch#: 2003/03/13-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Acetone	ND	50	ug/Kg	1.00	03/13/2003 20:31	
Benzene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Bromobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Bromochloromethane	ND	20	ug/Kg	1.00	03/13/2003 20:31	
Bromoform	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Bromomethane	ND	10	ug/Kg	1.00	03/13/2003 20:31	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	03/13/2003 20:31	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Carbon disulfide	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Chlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Chloroethane	ND	10	ug/Kg	1.00	03/13/2003 20:31	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	03/13/2003 20:31	
Chloroform	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Chloromethane	ND	10	ug/Kg	1.00	03/13/2003 20:31	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	03/13/2003 20:31	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	03/13/2003 20:31	
Dibromomethane	ND	10	ug/Kg	1.00	03/13/2003 20:31	

Severn Trent Laboratories, Inc

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03/17/2003 14:56

Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202

Martinez, CA 94553

Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s): 5035 Test(s): 8260B
 Sample ID: SB3+SB4-10`-15` Lab ID: 2003-03-0178 - 5
 Sampled: 03/10/2003 Extracted: 3/13/2003 20:31
 Matrix: Soil QC Batch#: 2003/03/13-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	03/13/2003 20:31	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Ethylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
2-Hexanone	ND	50	ug/Kg	1.00	03/13/2003 20:31	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Methylene chloride	ND	10	ug/Kg	1.00	03/13/2003 20:31	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	03/13/2003 20:31	
Naphthalene	ND	10	ug/Kg	1.00	03/13/2003 20:31	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Styrene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Toluene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Trichloroethene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	

Severn Trent Laboratories, Inc

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03/17/2003 14:56

Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202

Martinez, CA 94553

Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s): 5035 Test(s): 8260B
 Sample ID: SB3+SB4-10'-15' Lab ID: 2003-03-0178 - 5
 Sampled: 03/10/2003 Extracted: 3/13/2003 20:31
 Matrix: Soil QC Batch#: 2003/03/13-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Vinyl acetate	ND	50	ug/Kg	1.00	03/13/2003 20:31	
Vinyl chloride	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Total xylenes	ND	5.0	ug/Kg	1.00	03/13/2003 20:31	
Surrogates(s)						
4-Bromofluorobenzene	89.8	74-121	%	1.00	03/13/2003 20:31	
1,2-Dichloroethane-d4	99.9	70-121	%	1.00	03/13/2003 20:31	
Toluene-d8	101.4	81-117	%	1.00	03/13/2003 20:31	

Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202

Martinez, CA 94553

Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Received: 03/10/2003 17:00

Alameda Fed. Centr. Bldg. 4

Batch QC Report

Prep(s): 5035

Test(s): 8260B

Method Blank

Soil

QC Batch # 2003/03/13-01.06

MB: 2003/03/13-01.06-007

Date Extracted: 03/13/2003 14:56

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	03/13/2003 14:56	
Acetone	ND	50	ug/Kg	03/13/2003 14:56	
Benzene	ND	5.0	ug/Kg	03/13/2003 14:56	
Bromodichloromethane	ND	5.0	ug/Kg	03/13/2003 14:56	
Bromobenzene	ND	5.0	ug/Kg	03/13/2003 14:56	
Bromochloromethane	ND	20	ug/Kg	03/13/2003 14:56	
Bromoform	ND	5.0	ug/Kg	03/13/2003 14:56	
Bromomethane	ND	10	ug/Kg	03/13/2003 14:56	
2-Butanone(MEK)	ND	50	ug/Kg	03/13/2003 14:56	
n-Butylbenzene	ND	5.0	ug/Kg	03/13/2003 14:56	
sec-Butylbenzene	ND	5.0	ug/Kg	03/13/2003 14:56	
tert-Butylbenzene	ND	5.0	ug/Kg	03/13/2003 14:56	
Carbon disulfide	ND	5.0	ug/Kg	03/13/2003 14:56	
Carbon tetrachloride	ND	5.0	ug/Kg	03/13/2003 14:56	
Chlorobenzene	ND	5.0	ug/Kg	03/13/2003 14:56	
Chloroethane	ND	10	ug/Kg	03/13/2003 14:56	
2-Chloroethylvinyl ether	ND	50	ug/Kg	03/13/2003 14:56	
Chloroform	ND	5.0	ug/Kg	03/13/2003 14:56	
Chloromethane	ND	10	ug/Kg	03/13/2003 14:56	
2-Chlorotoluene	ND	5.0	ug/Kg	03/13/2003 14:56	
4-Chlorotoluene	ND	5.0	ug/Kg	03/13/2003 14:56	
Dibromochloromethane	ND	5.0	ug/Kg	03/13/2003 14:56	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	03/13/2003 14:56	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	03/13/2003 14:56	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	03/13/2003 14:56	
1,3-Dichloropropane	ND	5.0	ug/Kg	03/13/2003 14:56	
2,2-Dichloropropane	ND	5.0	ug/Kg	03/13/2003 14:56	
1,1-Dichloropropene	ND	5.0	ug/Kg	03/13/2003 14:56	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	03/13/2003 14:56	
1,2-Dibromoethane	ND	10	ug/Kg	03/13/2003 14:56	

Severn Trent Laboratories, Inc

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03/17/2003 14:56

Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202
Martinez, CA 94553
Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A
Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 5035
Method Blank
MB: 2003/03/13-01.06-007

Soil

Test(s): 8260B
QC Batch # 2003/03/13-01.06
Date Extracted: 03/13/2003 14:56

Compound	Conc.	RL	Unit	Analyzed	Flag
Dibromomethane	ND	10	ug/Kg	03/13/2003 14:56	
Dichlorodifluoromethane	ND	10	ug/Kg	03/13/2003 14:56	
1,1-Dichloroethane	ND	5.0	ug/Kg	03/13/2003 14:56	
1,2-Dichloroethane	ND	5.0	ug/Kg	03/13/2003 14:56	
1,1-Dichloroethene	ND	5.0	ug/Kg	03/13/2003 14:56	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	03/13/2003 14:56	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	03/13/2003 14:56	
1,2-Dichloropropane	ND	5.0	ug/Kg	03/13/2003 14:56	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	03/13/2003 14:56	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	03/13/2003 14:56	
Ethylbenzene	ND	5.0	ug/Kg	03/13/2003 14:56	
Hexachlorobutadiene	ND	5.0	ug/Kg	03/13/2003 14:56	
2-Hexanone	ND	50	ug/Kg	03/13/2003 14:56	
Isopropylbenzene	ND	5.0	ug/Kg	03/13/2003 14:56	
p-Isopropyltoluene	ND	5.0	ug/Kg	03/13/2003 14:56	
Methylene chloride	ND	10.0	ug/Kg	03/13/2003 14:56	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	03/13/2003 14:56	
Naphthalene	ND	10	ug/Kg	03/13/2003 14:56	
n-Propylbenzene	ND	5.0	ug/Kg	03/13/2003 14:56	
Styrene	ND	5.0	ug/Kg	03/13/2003 14:56	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	03/13/2003 14:56	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	03/13/2003 14:56	
Tetrachloroethene	ND	5.0	ug/Kg	03/13/2003 14:56	
Toluene	ND	5.0	ug/Kg	03/13/2003 14:56	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	03/13/2003 14:56	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	03/13/2003 14:56	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	03/13/2003 14:56	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	03/13/2003 14:56	
Trichloroethene	ND	5.0	ug/Kg	03/13/2003 14:56	
Trichlorofluoromethane	ND	5.0	ug/Kg	03/13/2003 14:56	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	03/13/2003 14:56	

Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

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Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2003/03/13-01.06-007

Soil

Test(s): 8260B

QC Batch # 2003/03/13-01.06

Date Extracted: 03/13/2003 14:56

Compound	Conc.	RL	Unit	Analyzed	Flag
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	03/13/2003 14:56	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	03/13/2003 14:56	
Vinyl acetate	ND	50	ug/Kg	03/13/2003 14:56	
Vinyl chloride	ND	5.0	ug/Kg	03/13/2003 14:56	
Total xylenes	ND	5.0	ug/Kg	03/13/2003 14:56	
Surrogates(s)					
4-Bromofluorobenzene	86.7	74-121	%	03/13/2003 14:56	
1,2-Dichloroethane-d4	101.6	70-121	%	03/13/2003 14:56	
Toluene-d8	100.3	81-117	%	03/13/2003 14:56	

Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

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Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 5035

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2003/03/13-01.06

LCS 2003/03/13-01.06-005

Extracted: 03/13/2003

Analyzed: 03/13/2003 13:43

LCSD 2003/03/13-01.06-006

Extracted: 03/13/2003

Analyzed: 03/13/2003 14:19

Compound	Conc. ug/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	43.6	44.8	50.0	87.2	89.6	2.7	69-129	20		
Chlorobenzene	41.7	41.2	50.0	83.4	82.4	1.2	61-121	20		
1,1-Dichloroethene	47.0	47.4	50.0	94.0	94.8	0.8	65-125	20		
Toluene	46.1	46.7	50.0	92.2	93.4	1.3	70-130	20		
Trichloroethene	46.1	46.2	50.0	92.2	92.4	0.2	74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	434	434	500	86.8	86.8		74-121			
1,2-Dichloroethane-d4	466	488	500	93.2	97.6		70-121			
Toluene-d8	503	505	500	100.6	101.0		81-117			

CAM 17 Metals

Jonas & Associates, Inc.

Attn.: Mark Jonas

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Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB1+SB2-2.5'-5'	03/10/2003	Soil	1
SB1+SB2-10'-15'	03/10/2003	Soil	2
SB3+SB4-2.5'-5'	03/10/2003	Soil	4
SB3+SB4-10'-15'	03/10/2003	Soil	5

CAM 17 Metals

Jonas & Associates, Inc.

Attn.: Mark Jonas

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Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	SB1+SB2-2.5'-5'	Lab ID:	2003-03-0178 - 1
Sampled:	03/10/2003	Extracted:	3/11/2003 18:02 3/11/2003 18:00
Matrix:	Soil	QC Batch#:	2003/03/11-02.16 2003/03/11-04.15

Analysis Flag: . (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/12/2003 14:02	
Arsenic	2.2	1.0	mg/Kg	1.00	03/12/2003 14:02	
Barium	68	1.0	mg/Kg	1.00	03/12/2003 14:02	
Beryllium	ND	0.50	mg/Kg	1.00	03/12/2003 14:02	
Cadmium	1.4	0.50	mg/Kg	1.00	03/12/2003 14:02	
Chromium	28	1.0	mg/Kg	1.00	03/12/2003 14:02	
Cobalt	8.6	1.0	mg/Kg	1.00	03/12/2003 14:02	
Copper	14	1.0	mg/Kg	1.00	03/12/2003 14:02	
Lead	1.8	1.0	mg/Kg	1.00	03/12/2003 14:02	
Molybdenum	ND	1.0	mg/Kg	1.00	03/12/2003 14:02	
Nickel	31	1.0	mg/Kg	1.00	03/12/2003 14:02	
Selenium	ND	2.0	mg/Kg	1.00	03/12/2003 14:02	
Silver	ND	1.0	mg/Kg	1.00	03/12/2003 14:02	
Thallium	ND	1.0	mg/Kg	1.00	03/12/2003 14:02	
Vanadium	25	1.0	mg/Kg	1.00	03/12/2003 14:02	
Zinc	23	1.0	mg/Kg	1.00	03/12/2003 14:02	
Mercury	ND	0.050	mg/Kg	1.00	03/12/2003 09:16	

CAM 17 Metals

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202
Martinez, CA 94553
Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A
Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	SB1+SB2-10'-15'	Lab ID:	2003-03-0178 - 2
Sampled:	03/10/2003	Extracted:	3/11/2003 18:02 3/11/2003 18:00
Matrix:	Soil	QC Batch#:	2003/03/11-02.16 2003/03/11-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/12/2003 14:13	
Arsenic	1.4	1.0	mg/Kg	1.00	03/12/2003 14:13	
Barium	27	1.0	mg/Kg	1.00	03/12/2003 14:13	
Beryllium	ND	0.50	mg/Kg	1.00	03/12/2003 14:13	
Cadmium	0.79	0.50	mg/Kg	1.00	03/12/2003 14:13	
Chromium	27	1.0	mg/Kg	1.00	03/12/2003 14:13	
Cobalt	3.8	1.0	mg/Kg	1.00	03/12/2003 14:13	
Copper	4.7	1.0	mg/Kg	1.00	03/12/2003 14:13	
Lead	1.6	1.0	mg/Kg	1.00	03/12/2003 14:13	
Molybdenum	ND	1.0	mg/Kg	1.00	03/12/2003 14:13	
Nickel	23	1.0	mg/Kg	1.00	03/12/2003 14:13	
Selenium	ND	2.0	mg/Kg	1.00	03/12/2003 14:13	
Silver	ND	1.0	mg/Kg	1.00	03/12/2003 14:13	
Thallium	ND	1.0	mg/Kg	1.00	03/12/2003 14:13	
Vanadium	14	1.0	mg/Kg	1.00	03/12/2003 14:13	
Zinc	15	1.0	mg/Kg	1.00	03/12/2003 14:13	
Mercury	ND	0.050	mg/Kg	1.00	03/12/2003 09:20	

CAM 17 Metals

Jonas & Associates, Inc.

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Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A
Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	SB3+SB4-2.5'-5'	Lab ID:	2003-03-0178 - 4
Sampled:	03/10/2003	Extracted:	3/11/2003 18:02 3/11/2003 18:00
Matrix:	Soil	QC Batch#:	2003/03/11-02.16 2003/03/11-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/12/2003 14:29	
Arsenic	2.9	1.0	mg/Kg	1.00	03/12/2003 14:29	
Barium	28	1.0	mg/Kg	1.00	03/12/2003 14:29	
Beryllium	ND	0.50	mg/Kg	1.00	03/12/2003 14:29	
Cadmium	0.94	0.50	mg/Kg	1.00	03/12/2003 14:29	
Chromium	21	1.0	mg/Kg	1.00	03/12/2003 14:29	
Cobalt	4.3	1.0	mg/Kg	1.00	03/12/2003 14:29	
Copper	7.6	1.0	mg/Kg	1.00	03/12/2003 14:29	
Lead	6.4	1.0	mg/Kg	1.00	03/12/2003 14:29	
Molybdenum	ND	1.0	mg/Kg	1.00	03/12/2003 14:29	
Nickel	20	1.0	mg/Kg	1.00	03/12/2003 14:29	
Selenium	ND	2.0	mg/Kg	1.00	03/12/2003 14:29	
Silver	ND	1.0	mg/Kg	1.00	03/12/2003 14:29	
Thallium	ND	1.0	mg/Kg	1.00	03/12/2003 14:29	
Vanadium	15	1.0	mg/Kg	1.00	03/12/2003 14:29	
Zinc	20	1.0	mg/Kg	1.00	03/12/2003 14:29	
Mercury	ND	0.050	mg/Kg	1.00	03/12/2003 09:21	

CAM 17 Metals

Jonas & Associates, Inc.

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Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	SB3+SB4-10'-15'	Lab ID:	2003-03-0178 - 5
Sampled:	03/10/2003	Extracted:	3/11/2003 18:02 3/11/2003 18:00
Matrix:	Soil	QC Batch#:	2003/03/11-02.16 2003/03/11-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/12/2003 14:33	
Arsenic	1.7	1.0	mg/Kg	1.00	03/12/2003 14:33	
Barium	22	1.0	mg/Kg	1.00	03/12/2003 14:33	
Beryllium	ND	0.50	mg/Kg	1.00	03/12/2003 14:33	
Cadmium	0.61	0.50	mg/Kg	1.00	03/12/2003 14:33	
Chromium	20	1.0	mg/Kg	1.00	03/12/2003 14:33	
Cobalt	3.2	1.0	mg/Kg	1.00	03/12/2003 14:33	
Copper	3.6	1.0	mg/Kg	1.00	03/12/2003 14:33	
Lead	1.4	1.0	mg/Kg	1.00	03/12/2003 14:33	
Molybdenum	ND	1.0	mg/Kg	1.00	03/12/2003 14:33	
Nickel	18	1.0	mg/Kg	1.00	03/12/2003 14:33	
Selenium	ND	2.0	mg/Kg	1.00	03/12/2003 14:33	
Silver	ND	1.0	mg/Kg	1.00	03/12/2003 14:33	
Thallium	ND	1.0	mg/Kg	1.00	03/12/2003 14:33	
Vanadium	12	1.0	mg/Kg	1.00	03/12/2003 14:33	
Zinc	12	1.0	mg/Kg	1.00	03/12/2003 14:33	
Mercury	ND	0.050	mg/Kg	1.00	03/12/2003 09:22	

CAM 17 Metals

Jonas & Associates, Inc.

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Project: GSA-211A
Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 7471A

Method Blank

MB: 2003/03/11-02.16-020

Soil

Test(s): 7471A

QC Batch # 2003/03/11-02.16

Date Extracted: 03/11/2003 18:02

Compound	Conc.	RL	Unit	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	03/12/2003 09:11	

CAM 17 Metals

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Project: GSA-211A
Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 3050B

Method Blank

MB: 2003/03/11-04.15-097

Soil

Test(s): 6010B

QC Batch # 2003/03/11-04.15

Date Extracted: 03/11/2003 18:00

Compound	Conc.	RL	Unit	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	03/12/2003 13:46	
Arsenic	ND	1.0	mg/Kg	03/12/2003 13:46	
Barium	ND	1.0	mg/Kg	03/12/2003 13:46	
Beryllium	ND	0.50	mg/Kg	03/12/2003 13:46	
Cadmium	ND	0.50	mg/Kg	03/12/2003 13:46	
Chromium	ND	1.0	mg/Kg	03/12/2003 13:46	
Cobalt	ND	1.0	mg/Kg	03/12/2003 13:46	
Copper	ND	1.0	mg/Kg	03/12/2003 13:46	
Lead	ND	1.0	mg/Kg	03/12/2003 13:46	
Molybdenum	ND	1.0	mg/Kg	03/12/2003 13:46	
Nickel	ND	1.0	mg/Kg	03/12/2003 13:46	
Selenium	ND	2.0	mg/Kg	03/12/2003 13:46	
Silver	ND	1.0	mg/Kg	03/12/2003 13:46	
Thallium	ND	1.0	mg/Kg	03/12/2003 13:46	
Vanadium	ND	1.0	mg/Kg	03/12/2003 13:46	
Zinc	ND	1.0	mg/Kg	03/12/2003 13:46	

CAM 17 Metals

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Project: GSA-211A
Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 7471A

Test(s): 7471A

Laboratory Control Spike

Soil

QC Batch # 2003/03/11-02.16

LCS 2003/03/11-02.16-021

Extracted: 03/11/2003

Analyzed: 03/12/2003 09:12

LCSD 2003/03/11-02.16-022

Extracted: 03/11/2003

Analyzed: 03/12/2003 09:14

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Mercury	0.493	0.499	0.500	98.6	99.8	1.2	85-115	20		

CAM 17 Metals

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Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike

Soil

QC Batch # 2003/03/11-04.15

LCS 2003/03/11-04.15-098

Extracted: 03/11/2003

Analyzed: 03/12/2003 13:50

LCSD 2003/03/11-04.15-099

Extracted: 03/11/2003

Analyzed: 03/12/2003 13:54

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Antimony	93.3	92.7	100.0	93.3	92.7	0.6	80-120	20		
Arsenic	106	105	100.0	106.0	105.0	0.9	80-120	20		
Barium	98.7	98.5	100.0	98.7	98.5	0.2	80-120	20		
Beryllium	103	103	100.0	103.0	103.0	0.0	80-120	20		
Cadmium	97.0	96.9	100.0	97.0	96.9	0.1	80-120	20		
Chromium	103	102	100.0	103.0	102.0	1.0	80-120	20		
Cobalt	101	100	100.0	101.0	100.0	1.0	80-120	20		
Copper	98.5	98.2	100.0	98.5	98.2	0.3	80-120	20		
Lead	98.2	97.4	100.0	98.2	97.4	0.8	80-120	20		
Molybdenum	104	103	100.0	104.0	103.0	1.0	80-120	20		
Nickel	98.1	97.9	100.0	98.1	97.9	0.2	80-120	20		
Selenium	93.9	93.1	100.0	93.9	93.1	0.9	80-120	20		
Silver	98.8	98.7	100.0	98.8	98.7	0.1	80-120	20		
Thallium	94.8	94.4	100.0	94.8	94.4	0.4	80-120	20		
Vanadium	101	100	100.0	101.0	100.0	1.0	80-120	20		
Zinc	96.5	96.6	100.0	96.5	96.6	0.1	80-120	20		

CAM 17 Metals

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Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 7471A

Test(s): 7471A

Matrix Spike (MS / MSD)

Soil

QC Batch # 2003/03/11-02.16

SB1-2.5`/5` & SB2-2.5`/5` >> MS

Lab ID: 2003-03-0178 - 001

MS: 2003/03/11-02.16-025

Extracted: 03/11/2003

Analyzed: 03/12/2003 09:17

Dilution: 1.00

MSD: 2003/03/11-02.16-026

Extracted: 03/11/2003

Analyzed: 03/12/2003 09:18

Dilution: 1.00

Compound	Conc. mg/Kg		Spk.Level	Recovery			Limits %		Flags		
	MS	MSD		Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS
Mercury	0.365	0.491	ND	0.476	76.7	102.1	28.4	85-115	20	mso	rpd

CAM 17 Metals

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Project: GSA-211A
Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2003/03/11-04.15

SB1-2.5`/5` & SB2-2.5`/5` >> MS

Lab ID: 2003-03-0178 - 001

MS: 2003/03/11-04.15-102

Extracted: 03/11/2003

Analyzed: 03/12/2003 14:06

Dilution: 1.00

MSD: 2003/03/11-04.15-103

Extracted: 03/11/2003

Analyzed: 03/12/2003 14:09

Dilution: 1.00

Compound	Conc.		mg/Kg	Spk.Level	Recovery			Limits %		Flags	
	MS	MSD			Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD
Antimony	27.0	26.1	ND	95.2	28.4	27.1	4.7	75-125	20	mso	mso
Arsenic	79.7	83.1	2.21	95.2	81.4	84.1	3.3	75-125	20		
Barium	107	105	68.3	95.2	40.7	38.1	6.6	75-125	20	mso	mso
Beryllium	76.0	77.0	ND	95.2	79.8	80.0	0.3	75-125	20		
Cadmium	71.1	72.8	1.44	95.2	73.2	74.2	1.4	75-125	20	mso	mso
Chromium	102	100	28.1	95.2	77.6	74.7	3.8	75-125	20		mso
Cobalt	81.8	81.9	8.60	95.2	76.9	76.2	0.9	75-125	20		
Copper	90.4	90.8	14.0	95.2	80.3	79.8	0.6	75-125	20		
Lead	72.2	75.0	1.76	95.2	74.0	76.1	2.8	75-125	20	mso	
Molybdenum	73.6	75.6	ND	95.2	77.3	78.6	1.7	75-125	20		
Nickel	100	99.0	31.0	95.2	72.5	70.7	2.5	75-125	20	mso	mso
Selenium	67.6	70.2	ND	95.2	71.0	73.0	2.8	75-125	20	mso	mso
Silver	74.7	76.4	ND	95.2	78.5	79.4	1.1	75-125	20		
Thallium	65.5	68.6	ND	95.2	68.8	71.3	3.6	75-125	20	mso	mso
Vanadium	103	98.6	25.4	95.2	81.5	76.1	6.9	75-125	20		
Zinc	92.9	91.8	23.1	95.2	73.3	71.4	2.6	75-125	20	mso	mso

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

03/17/2003 11:57

Page 11 of 12

CAM 17 Metals

Jonas & Associates, Inc.

Attn.: Mark Jonas

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Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Received: 03/10/2003 17:00

Alameda Fed. Centr. Bldg. 4

Legend and Notes

Analysis Flag

Result Flag

mso

MS/MSD spike recoveries were out of QC limits due to matrix interference.
Precision and Accuracy were verified by LCS/LCSD.

rpd

Analyte RPD was out of QC limits due to sample heterogeneity.

Dissolved CAM 17 Metals

Jonas & Associates, Inc.

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Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB1-GW	03/10/2003 09:00	Water	3

Dissolved CAM 17 Metals

Jonas & Associates, Inc.

Attn.: Mark Jonas

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Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s):	3005A 7470A	Test(s):	6010B 7470A
Sample ID:	SB1-GW	Lab ID:	2003-03-0178 - 3
Sampled:	03/10/2003 09:00	Extracted:	3/18/2003 06:09 3/18/2003 05:16
Matrix:	Water	QC Batch#:	2003/03/18-01.16 2003/03/18-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	0.0050	mg/L	1.00	03/18/2003 08:47	
Arsenic	0.011	0.0050	mg/L	1.00	03/18/2003 08:47	
Barium	0.14	0.0050	mg/L	1.00	03/18/2003 08:47	
Beryllium	ND	0.0050	mg/L	1.00	03/18/2003 08:47	
Cadmium	ND	0.0020	mg/L	1.00	03/18/2003 08:47	
Chromium	ND	0.0050	mg/L	1.00	03/18/2003 08:47	
Cobalt	ND	0.0050	mg/L	1.00	03/18/2003 08:47	
Copper	0.045	0.0050	mg/L	1.00	03/18/2003 08:47	
Lead	ND	0.0050	mg/L	1.00	03/18/2003 08:47	
Molybdenum	0.014	0.0050	mg/L	1.00	03/18/2003 08:47	
Nickel	0.0052	0.0050	mg/L	1.00	03/18/2003 08:47	
Selenium	ND	0.0050	mg/L	1.00	03/18/2003 08:47	
Silver	ND	0.0050	mg/L	1.00	03/18/2003 08:47	
Thallium	0.0057	0.0050	mg/L	1.00	03/18/2003 08:47	
Vanadium	ND	0.0050	mg/L	1.00	03/18/2003 08:47	
Zinc	0.058	0.010	mg/L	1.00	03/18/2003 08:47	
Mercury	ND	0.00020	mg/L	1.00	03/18/2003 09:56	

Dissolved CAM 17 Metals

Jonas & Associates, Inc.

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Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 7470A

Method Blank

MB: 2003/03/18-01.16-011

Water

Test(s): 7470A

QC Batch # 2003/03/18-01.16

Date Extracted: 03/18/2003 06:09

Compound	Conc.	RL	Unit	Analyzed	Flag
Mercury	ND	0.0002	mg/L	03/18/2003 09:53	

Dissolved CAM 17 Metals

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Project: GSA-211A
Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 3005A
Method Blank

Water

Test(s): 6010B
QC Batch # 2003/03/18-02.15

MB: 2003/03/18-02.15-040

Date Extracted: 03/18/2003 05:16

Compound	Conc.	RL	Unit	Analyzed	Flag
Antimony	ND	0.0050	mg/L	03/18/2003 08:35	
Arsenic	ND	0.0050	mg/L	03/18/2003 08:35	
Barium	ND	0.0050	mg/L	03/18/2003 08:35	
Beryllium	ND	0.0050	mg/L	03/18/2003 08:35	
Cadmium	ND	0.0020	mg/L	03/18/2003 08:35	
Chromium	ND	0.0050	mg/L	03/18/2003 08:35	
Cobalt	ND	0.0050	mg/L	03/18/2003 08:35	
Copper	ND	0.0050	mg/L	03/18/2003 08:35	
Lead	ND	0.0050	mg/L	03/18/2003 08:35	
Molybdenum	ND	0.0050	mg/L	03/18/2003 08:35	
Nickel	ND	0.0050	mg/L	03/18/2003 08:35	
Selenium	ND	0.0050	mg/L	03/18/2003 08:35	
Silver	ND	0.0050	mg/L	03/18/2003 08:35	
Thallium	ND	0.0050	mg/L	03/18/2003 08:35	
Vanadium	ND	0.0050	mg/L	03/18/2003 08:35	
Zinc	ND	0.010	mg/L	03/18/2003 08:35	

Dissolved CAM 17 Metals

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Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 7470A

Test(s): 7470A

Laboratory Control Spike

Water

QC Batch # 2003/03/18-01.16

LCS 2003/03/18-01.16-012

Extracted: 03/18/2003

Analyzed: 03/18/2003 09:54

LCSD 2003/03/18-01.16-013

Extracted: 03/18/2003

Analyzed: 03/18/2003 09:55

Compound	Conc. mg/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Mercury	0.0200	0.0202	0.0200	100.0	101.0	1.0	85-115	20		

Dissolved CAM 17 Metals

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Project: GSA-211A
Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 3005A

Test(s): 6010B

Laboratory Control Spike

Water

QC Batch # 2003/03/18-02.15

LCS 2003/03/18-02.15-041

Extracted: 03/18/2003

Analyzed: 03/18/2003 08:39

LCSD 2003/03/18-02.15-042

Extracted: 03/18/2003

Analyzed: 03/18/2003 08:43

Compound	Conc. mg/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Antimony	0.543	0.528	0.500	108.6	105.6	2.8	80-120	20			
Arsenic	0.485	0.471	0.500	97.0	94.2	2.9	80-120	20			
Barium	0.520	0.512	0.500	104.0	102.4	1.6	80-120	20			
Beryllium	0.508	0.505	0.500	101.6	101.0	0.6	80-120	20			
Cadmium	0.524	0.515	0.500	104.8	103.0	1.7	80-120	20			
Chromium	0.503	0.494	0.500	100.6	98.8	1.8	80-120	20			
Cobalt	0.520	0.511	0.500	104.0	102.2	1.7	80-120	20			
Copper	0.528	0.518	0.500	105.6	103.6	1.9	80-120	20			
Lead	0.536	0.522	0.500	107.2	104.4	2.6	80-120	20			
Molybdenum	0.508	0.498	0.500	101.6	99.6	2.0	80-120	20			
Nickel	0.521	0.513	0.500	104.2	102.6	1.5	80-120	20			
Selenium	0.536	0.516	0.500	107.2	103.2	3.8	80-120	20			
Silver	0.516	0.506	0.500	103.2	101.2	2.0	80-120	20			
Thallium	0.526	0.512	0.500	105.2	102.4	2.7	80-120	20			
Vanadium	0.526	0.517	0.500	105.2	103.4	1.7	80-120	20			
Zinc	0.537	0.529	0.500	107.4	105.8	1.5	80-120	20			

Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202

Martinez, CA 94553

Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB1-GW	03/10/2003 09:00	Water	3
SB3-GW	03/10/2003 09:00	Water	6

Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202

Martinez, CA 94553

Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB1-GW	Lab ID: 2003-03-0178 - 3
Sampled: 03/10/2003 09:00	Extracted: 3/17/2003 15:03
Matrix: Water	QC Batch#: 2003/03/17-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	03/17/2003 15:03	
Acetone	ND	50	ug/L	1.00	03/17/2003 15:03	
Benzene	ND	0.50	ug/L	1.00	03/17/2003 15:03	
Bromodichloromethane	ND	0.50	ug/L	1.00	03/17/2003 15:03	
Bromobenzene	ND	1.0	ug/L	1.00	03/17/2003 15:03	
Bromochloromethane	ND	1.0	ug/L	1.00	03/17/2003 15:03	
Bromoform	ND	0.50	ug/L	1.00	03/17/2003 15:03	
Bromomethane	ND	1.0	ug/L	1.00	03/17/2003 15:03	
2-Butanone(MEK)	ND	50	ug/L	1.00	03/17/2003 15:03	
n-Butylbenzene	ND	1.0	ug/L	1.00	03/17/2003 15:03	
sec-Butylbenzene	ND	1.0	ug/L	1.00	03/17/2003 15:03	
tert-Butylbenzene	ND	1.0	ug/L	1.00	03/17/2003 15:03	
Carbon disulfide	ND	5.0	ug/L	1.00	03/17/2003 15:03	
Carbon tetrachloride	ND	0.50	ug/L	1.00	03/17/2003 15:03	
Chlorobenzene	ND	0.50	ug/L	1.00	03/17/2003 15:03	
Chloroethane	ND	1.0	ug/L	1.00	03/17/2003 15:03	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	03/17/2003 15:03	
Chloroform	ND	1.0	ug/L	1.00	03/17/2003 15:03	
Chloromethane	ND	1.0	ug/L	1.00	03/17/2003 15:03	
2-Chlorotoluene	ND	0.50	ug/L	1.00	03/17/2003 15:03	
4-Chlorotoluene	ND	0.50	ug/L	1.00	03/17/2003 15:03	
Dibromochloromethane	ND	0.50	ug/L	1.00	03/17/2003 15:03	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	03/17/2003 15:03	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	03/17/2003 15:03	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	03/17/2003 15:03	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	03/17/2003 15:03	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	03/17/2003 15:03	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	03/17/2003 15:03	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	03/17/2003 15:03	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	03/17/2003 15:03	
Dibromomethane	ND	0.50	ug/L	1.00	03/17/2003 15:03	

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

03/17/2003 16:07

Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202

Martinez, CA 94553

Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Received: 03/10/2003 17:00

Alameda Fed. Centr. Bldg. 4

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB1-GW	Lab ID:	2003-03-0178 - 3
Sampled:	03/10/2003 09:00	Extracted:	3/17/2003 15:03
Matrix:	Water	QC Batch#:	2003/03/17-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	03/17/2003 15:03	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/17/2003 15:03	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	03/17/2003 15:03	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/17/2003 15:03	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/17/2003 15:03	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/17/2003 15:03	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/17/2003 15:03	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/17/2003 15:03	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/17/2003 15:03	
Ethylbenzene	ND	0.50	ug/L	1.00	03/17/2003 15:03	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	03/17/2003 15:03	
2-Hexanone	ND	50	ug/L	1.00	03/17/2003 15:03	
Isopropylbenzene	ND	0.50	ug/L	1.00	03/17/2003 15:03	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	03/17/2003 15:03	
Methylene chloride	ND	5.0	ug/L	1.00	03/17/2003 15:03	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	03/17/2003 15:03	
Naphthalene	ND	1.0	ug/L	1.00	03/17/2003 15:03	
n-Propylbenzene	ND	1.0	ug/L	1.00	03/17/2003 15:03	
Styrene	ND	0.50	ug/L	1.00	03/17/2003 15:03	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/17/2003 15:03	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/17/2003 15:03	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/17/2003 15:03	
Toluene	ND	0.50	ug/L	1.00	03/17/2003 15:03	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	03/17/2003 15:03	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	03/17/2003 15:03	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/17/2003 15:03	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/17/2003 15:03	
Trichloroethene	ND	0.50	ug/L	1.00	03/17/2003 15:03	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	03/17/2003 15:03	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	03/17/2003 15:03	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	03/17/2003 15:03	

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

03/17/2003 16:07

Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202

Martinez, CA 94553

Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s): 5030B Test(s): 8260B
 Sample ID: SB3-GW Lab ID: 2003-03-0178 - 6
 Sampled: 03/10/2003 09:00 Extracted: 3/17/2003 15:29
 Matrix: Water QC Batch#: 2003/03/17-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	03/17/2003 15:29	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/17/2003 15:29	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	03/17/2003 15:29	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/17/2003 15:29	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/17/2003 15:29	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/17/2003 15:29	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/17/2003 15:29	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/17/2003 15:29	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/17/2003 15:29	
Ethylbenzene	ND	0.50	ug/L	1.00	03/17/2003 15:29	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	03/17/2003 15:29	
2-Hexanone	ND	50	ug/L	1.00	03/17/2003 15:29	
Isopropylbenzene	ND	0.50	ug/L	1.00	03/17/2003 15:29	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	03/17/2003 15:29	
Methylene chloride	ND	5.0	ug/L	1.00	03/17/2003 15:29	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	03/17/2003 15:29	
Naphthalene	ND	1.0	ug/L	1.00	03/17/2003 15:29	
n-Propylbenzene	ND	1.0	ug/L	1.00	03/17/2003 15:29	
Styrene	ND	0.50	ug/L	1.00	03/17/2003 15:29	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/17/2003 15:29	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/17/2003 15:29	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/17/2003 15:29	
Toluene	ND	0.50	ug/L	1.00	03/17/2003 15:29	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	03/17/2003 15:29	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	03/17/2003 15:29	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/17/2003 15:29	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/17/2003 15:29	
Trichloroethene	ND	0.50	ug/L	1.00	03/17/2003 15:29	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	03/17/2003 15:29	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	03/17/2003 15:29	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	03/17/2003 15:29	

Volatile Organic Compounds by 8260B (Low Level)

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Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB3-GW	Lab ID: 2003-03-0178 - 6
Sampled: 03/10/2003 09:00	Extracted: 3/17/2003 15:29
Matrix: Water	QC Batch#: 2003/03/17-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	03/17/2003 15:29	
Vinyl acetate	ND	25	ug/L	1.00	03/17/2003 15:29	
Vinyl chloride	ND	0.50	ug/L	1.00	03/17/2003 15:29	
Total xylenes	ND	1.0	ug/L	1.00	03/17/2003 15:29	
Surrogates(s)						
4-Bromofluorobenzene	86.8	86-115	%	1.00	03/17/2003 15:29	
1,2-Dichloroethane-d4	97.7	76-114	%	1.00	03/17/2003 15:29	
Toluene-d8	94.8	88-110	%	1.00	03/17/2003 15:29	

Volatile Organic Compounds by 8260B (Low Level)

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1350 Arnold Drive Suite 202

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Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/03/17-01.09-006

Water

Test(s): 8260B

QC Batch # 2003/03/17-01.09

Date Extracted: 03/17/2003 12:13

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	03/17/2003 12:13	
Acetone	ND	50	ug/L	03/17/2003 12:13	
Benzene	ND	0.5	ug/L	03/17/2003 12:13	
Bromodichloromethane	ND	0.5	ug/L	03/17/2003 12:13	
Bromobenzene	ND	1.0	ug/L	03/17/2003 12:13	
Bromochloromethane	ND	1.0	ug/L	03/17/2003 12:13	
Bromoform	ND	0.5	ug/L	03/17/2003 12:13	
Bromomethane	ND	1.0	ug/L	03/17/2003 12:13	
2-Butanone(MEK)	ND	50	ug/L	03/17/2003 12:13	
n-Butylbenzene	ND	1.0	ug/L	03/17/2003 12:13	
sec-Butylbenzene	ND	1.0	ug/L	03/17/2003 12:13	
tert-Butylbenzene	ND	1.0	ug/L	03/17/2003 12:13	
Carbon disulfide	ND	5.0	ug/L	03/17/2003 12:13	
Carbon tetrachloride	ND	0.5	ug/L	03/17/2003 12:13	
Chlorobenzene	ND	0.5	ug/L	03/17/2003 12:13	
Chloroethane	ND	1.0	ug/L	03/17/2003 12:13	
2-Chloroethylvinyl ether	ND	5.0	ug/L	03/17/2003 12:13	
Chloroform	ND	1.0	ug/L	03/17/2003 12:13	
Chloromethane	ND	1.0	ug/L	03/17/2003 12:13	
2-Chlorotoluene	ND	0.5	ug/L	03/17/2003 12:13	
4-Chlorotoluene	ND	0.5	ug/L	03/17/2003 12:13	
Dibromochloromethane	ND	0.5	ug/L	03/17/2003 12:13	
1,2-Dichlorobenzene	ND	0.5	ug/L	03/17/2003 12:13	
1,3-Dichlorobenzene	ND	0.5	ug/L	03/17/2003 12:13	
1,4-Dichlorobenzene	ND	0.5	ug/L	03/17/2003 12:13	
1,3-Dichloropropane	ND	1.0	ug/L	03/17/2003 12:13	
2,2-Dichloropropane	ND	0.5	ug/L	03/17/2003 12:13	
1,1-Dichloropropene	ND	0.5	ug/L	03/17/2003 12:13	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	03/17/2003 12:13	
1,2-Dibromoethane	ND	0.5	ug/L	03/17/2003 12:13	

Severn Trent Laboratories, Inc.

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Page 8 of 11

Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202

Martinez, CA 94553

Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/03/17-01.09-006

Water

Test(s): 8260B

QC Batch # 2003/03/17-01.09

Date Extracted: 03/17/2003 12:13

Compound	Conc.	RL	Unit	Analyzed	Flag
Dibromomethane	ND	0.5	ug/L	03/17/2003 12:13	
Dichlorodifluoromethane	ND	0.5	ug/L	03/17/2003 12:13	
1,1-Dichloroethane	ND	0.5	ug/L	03/17/2003 12:13	
1,2-Dichloroethane	ND	0.5	ug/L	03/17/2003 12:13	
1,1-Dichloroethene	ND	0.5	ug/L	03/17/2003 12:13	
cis-1,2-Dichloroethene	ND	0.5	ug/L	03/17/2003 12:13	
trans-1,2-Dichloroethene	ND	0.5	ug/L	03/17/2003 12:13	
1,2-Dichloropropane	ND	0.5	ug/L	03/17/2003 12:13	
cis-1,3-Dichloropropene	ND	0.5	ug/L	03/17/2003 12:13	
trans-1,3-Dichloropropene	ND	0.5	ug/L	03/17/2003 12:13	
Ethylbenzene	ND	0.5	ug/L	03/17/2003 12:13	
Hexachlorobutadiene	ND	1.0	ug/L	03/17/2003 12:13	
2-Hexanone	ND	50	ug/L	03/17/2003 12:13	
Isopropylbenzene	ND	0.5	ug/L	03/17/2003 12:13	
p-Isopropyltoluene	ND	1.0	ug/L	03/17/2003 12:13	
Methylene chloride	ND	5.0	ug/L	03/17/2003 12:13	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	03/17/2003 12:13	
Naphthalene	ND	1.0	ug/L	03/17/2003 12:13	
n-Propylbenzene	ND	1.0	ug/L	03/17/2003 12:13	
Styrene	ND	0.5	ug/L	03/17/2003 12:13	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	03/17/2003 12:13	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	03/17/2003 12:13	
Tetrachloroethene	ND	0.5	ug/L	03/17/2003 12:13	
Toluene	ND	0.5	ug/L	03/17/2003 12:13	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	03/17/2003 12:13	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	03/17/2003 12:13	
1,1,1-Trichloroethane	ND	0.5	ug/L	03/17/2003 12:13	
1,1,2-Trichloroethane	ND	0.5	ug/L	03/17/2003 12:13	
Trichloroethene	ND	0.5	ug/L	03/17/2003 12:13	
Trichlorofluoromethane	ND	1.0	ug/L	03/17/2003 12:13	
Trichlorotrifluoroethane	ND	0.5	ug/L	03/17/2003 12:13	

Sewern Trent Laboratories, Inc

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03/17/2003 16:07

Page 9 of 11

Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202

Martinez, CA 94553

Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/03/17-01.09-006

Water

Test(s): 8260B

QC Batch # 2003/03/17-01.09

Date Extracted: 03/17/2003 12:13

Compound	Conc.	RL	Unit	Analyzed	Flag
1,2,4-Trimethylbenzene	ND	0.5	ug/L	03/17/2003 12:13	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	03/17/2003 12:13	
Vinyl acetate	ND	25	ug/L	03/17/2003 12:13	
Vinyl chloride	ND	0.5	ug/L	03/17/2003 12:13	
Total xylenes	ND	1.0	ug/L	03/17/2003 12:13	
Surrogates(s)					
4-Bromofluorobenzene	93.4	86-115	%	03/17/2003 12:13	
1,2-Dichloroethane-d4	93.3	76-114	%	03/17/2003 12:13	
Toluene-d8	95.5	88-110	%	03/17/2003 12:13	

Volatile Organic Compounds by 8260B (Low Level)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202
Martinez, CA 94553
Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A
Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2003/03/17-01.09

LCS 2003/03/17-01.09-004

Extracted: 03/17/2003

Analyzed: 03/17/2003 11:12

LCSD 2003/03/17-01.09-007

Extracted: 03/17/2003

Analyzed: 03/17/2003 12:39

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	17.6	20.2	20.0	88.0	101.0	13.8	69-129	20		
Chlorobenzene	18.9	19.6	20.0	94.5	98.0	3.6	61-121	20		
1,1-Dichloroethene	14.9	15.7	20.0	74.5	78.5	5.2	65-125	20		
Toluene	18.7	19.9	20.0	93.5	99.5	6.2	70-130	20		
Trichloroethene	16.4	18.2	20.0	82.0	91.0	10.4	74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	470	471	500	94.0	94.2		86-115			
1,2-Dichloroethane-d4	459	422	500	91.8	84.4		76-114			
Toluene-d8	485	466	500	97.0	93.2		88-110			

Total Extractable Petroleum Hydrocarbons (TEPH)

Jonas & Associates, Inc.

Attn.: Mark Jonas

1350 Arnold Drive Suite 202

Martinez, CA 94553

Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB1+SB2-2.5'-5'	03/10/2003	Soil	1
SB1+SB2-10'-15'	03/10/2003	Soil	2
SB1-GW	03/10/2003 09:00	Water	3
SB3+SB4-2.5'-5'	03/10/2003	Soil	4
SB3+SB4-10'-15'	03/10/2003	Soil	5
SB3-GW	03/10/2003 09:00	Water	6

Total Extractable Petroleum Hydrocarbons (TEPH)

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Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s): 3550/8015M Test(s): 8015M
 Sample ID: SB1+SB2-2.5'-5' Lab ID: 2003-03-0178 - 1
 Sampled: 03/10/2003 Extracted: 3/11/2003 13:09
 Matrix: Soil QC Batch#: 2003/03/11-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Hydraulic Oil	ND	50	mg/Kg	1.00	03/11/2003 17:33	
Surrogates(s)						
o-Terphenyl	85.6	60-130	%	1.00	03/11/2003 17:33	

Total Extractable Petroleum Hydrocarbons (TEPH)

Jonas & Associates, Inc.

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Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A
Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SB1+SB2-10`-15` Lab ID: 2003-03-0178 - 2
Sampled: 03/10/2003 Extracted: 3/11/2003 13:09
Matrix: Soil QC Batch#: 2003/03/11-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Hydraulic Oil	ND	50	mg/Kg	1.00	03/11/2003 18:47	
Surrogates(s)						
o-Terphenyl	86.3	60-130	%	1.00	03/11/2003 18:47	

Total Extractable Petroleum Hydrocarbons (TEPH)

Jonas & Associates, Inc.

Attn.: Mark Jonas

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Martinez, CA 94553
Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A
Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s): 3510/8015M Test(s): 8015M
Sample ID: **SB1-GW** Lab ID: 2003-03-0178 - 3
Sampled: 03/10/2003 09:00 Extracted: 3/12/2003 06:02
Matrix: Water QC Batch#: 2003/03/12-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Hydraulic Oil	ND	500	ug/L	1.00	03/12/2003 18:59	
<i>Surrogates(s)</i>						
o-Terphenyl	109.7	60-130	%	1.00	03/12/2003 18:59	

Total Extractable Petroleum Hydrocarbons (TEPH)

Jonas & Associates, Inc.

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1350 Arnold Drive Suite 202
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Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A
Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SB3+SB4-2.5'-5'	Lab ID:	2003-03-0178 - 4
Sampled:	03/10/2003	Extracted:	3/11/2003 13:09
Matrix:	Soil	QC Batch#:	2003/03/11-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Hydraulic Oil	53	50	mg/Kg	1.00	03/11/2003 19:24	
<i>Surrogates(s)</i>						
o-Terphenyl	87.9	60-130	%	1.00	03/11/2003 19:24	

Total Extractable Petroleum Hydrocarbons (TEPH)

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Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SB3+SB4-10'-15'	Lab ID:	2003-03-0178 - 5
Sampled:	03/10/2003	Extracted:	3/11/2003 13:09
Matrix:	Soil	QC Batch#:	2003/03/11-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Hydraulic Oil	ND	50	mg/Kg	1.00	03/11/2003 18:10	
Surrogates(s)						
o-Terphenyl	83.8	60-130	%	1.00	03/11/2003 18:10	

Total Extractable Petroleum Hydrocarbons (TEPH)

Jonas & Associates, Inc.

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1350 Arnold Drive Suite 202
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Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A
Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Prep(s): 3510/8015M Test(s): 8015M
Sample ID: **SB3-GW** Lab ID: 2003-03-0178 - 6
Sampled: 03/10/2003 09:00 Extracted: 3/12/2003 06:02
Matrix: Water QC Batch#: 2003/03/12-01.10
Analysis Flag: rl (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Hydraulic Oil	2600	860	ug/L	1.72	03/12/2003 23:57	
Surrogates(s)						
o-Terphenyl	73.7	60-130	%	1.72	03/12/2003 23:57	

Total Extractable Petroleum Hydrocarbons (TEPH)

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Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 3550/8015M

Method Blank

MB: 2003/03/11-02.10-003

Soil

Test(s): 8015M

QC Batch # 2003/03/11-02.10

Date Extracted: 03/11/2003 13:09

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	03/12/2003 05:24	
Hydraulic Oil	ND	50	mg/Kg	03/12/2003 05:24	
Surrogates(s)					
o-Terphenyl	85.1	60-130	%	03/12/2003 05:24	

Total Extractable Petroleum Hydrocarbons (TEPH)

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Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 3510/8015M

Method Blank

MB: 2003/03/12-01.10-001

Water

Test(s): 8015M

QC Batch # 2003/03/12-01.10

Date Extracted: 03/12/2003 06:02

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	03/12/2003 17:07	
Hydraulic Oil	ND	500	ug/L	03/12/2003 17:07	
Surrogates(s) o-Terphenyl	100.1	60-130	%	03/12/2003 17:07	

Total Extractable Petroleum Hydrocarbons (TEPH)

Jonas & Associates, Inc.

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1350 Arnold Drive Suite 202
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Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A
Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2003/03/11-02.10

LCS 2003/03/11-02.10-001

Extracted: 03/11/2003

Analyzed: 03/11/2003 20:01

LCSD 2003/03/11-02.10-002

Extracted: 03/11/2003

Analyzed: 03/11/2003 20:39

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Diesel	39.2	40.8	41.7	94.0	98.1	4.3	60-130	25			
Surrogates(s) o-Terphenyl	19.2	20.0	20.0	95.9	100.2		60-130	0			

Total Extractable Petroleum Hydrocarbons (TEPH)

Jonas & Associates, Inc.

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Martinez, CA 94553

Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2003/03/12-01.10

LCS 2003/03/12-01.10-002

Extracted: 03/12/2003

Analyzed: 03/12/2003 14:52

LCSD 2003/03/12-01.10-003

Extracted: 03/12/2003

Analyzed: 03/12/2003 15:33

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	963	1050	1250	77.0	84.0	8.7	60-130	25		
Surrogates(s) o-Terphenyl	20.9	22.4	20.0	104.3	111.9		60-130	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# 2496

03/17/2003 14 10

Page 11 of 13

Total Extractable Petroleum Hydrocarbons (TEPH)

Jonas & Associates, Inc.

Attn.: Mark Jonas

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Project: GSA-211A
Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Matrix Spike (MS / MSD)

Soil

QC Batch # 2003/03/11-02.10

SB1+SB2-2.5'-5' >> MS

Lab ID: 2003-03-0178 - 001

MS: 2003/03/11-02.10-004

Extracted: 03/11/2003

Analyzed: 03/11/2003 17:50

Dilution: 1.00

MSD: 2003/03/11-02.10-005

Extracted: 03/11/2003

Analyzed: 03/11/2003 18:31

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Diesel	36.8	34.4	0.00	41.3	89.1	84.3	5.5	60-130	25		
<i>Surrogate(s)</i> o-Terphenyl	20.0	20.1		20.0	100.2	100.7		60-130	0		

Total Extractable Petroleum Hydrocarbons (TEPH)

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Project: GSA-211A

Alameda Fed. Centr. Bldg. 4

Received: 03/10/2003 17:00

Legend and Notes

Analysis Flag

rl

Reporting limits raised due to reduced sample size.

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

03/17/2003 14 10

Page 13 of 13

Total Extractable Petroleum Hydrocarbons (TEPH)

Jonas & Associates, Inc.
Attn.: Voytek Bajsarowicz

1350 Arnold Drive Suite 202
Martinez, CA 94553
Phone: (925) 374-0020 Fax: (925) 374-0021
Project: GSA-211A

Received: 03/10/2003 16:11

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB3-2.5	03/10/2003	Soil	1
SB4-2.5	03/10/2003	Soil	2
SB3-5	03/10/2003	Soil	3
SB4-5	03/10/2003	Soil	4

Total Extractable Petroleum Hydrocarbons (TEPH)

Jonas & Associates, Inc.
Attn.: Voytek Bajsarowicz

1350 Arnold Drive Suite 202
Martinez, CA 94553
Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Received: 03/10/2003 16:11

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: SB3-2.5	Lab ID: 2003-03-0440 - 1
Sampled: 03/10/2003	Extracted: 3/20/2003 14:51
Matrix: Soil	QC Batch#: 2003/03/20-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Hydraulic Oil	ND	50	mg/Kg	1.00	03/22/2003 15:58	
Surrogates(s)						
o-Terphenyl	86.3	60-130	%	1.00	03/22/2003 15:58	

Total Extractable Petroleum Hydrocarbons (TEPH)

Jonas & Associates, Inc.
Attn.: Voytek Bajsarowicz

1350 Arnold Drive Suite 202
Martinez, CA 94553
Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Received: 03/10/2003 16:11

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SB4-2.5	Lab ID:	2003-03-0440 - 2
Sampled:	03/10/2003	Extracted:	3/20/2003 14:51
Matrix:	Soil	QC Batch#:	2003/03/20-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Hydraulic Oil	190	100	mg/Kg	2.00	03/25/2003 09:48	
Surrogates(s)						
o-Terphenyl	81.3	60-130	%	2.00	03/25/2003 09:48	

Total Extractable Petroleum Hydrocarbons (TEPH)

Jonas & Associates, Inc.
Attn.: Voytek Bajsarowicz

1350 Arnold Drive Suite 202
Martinez, CA 94553
Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Received: 03/10/2003 16:11

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: **SB4-5** Lab ID: 2003-03-0440 - 4
Sampled: 03/10/2003 Extracted: 3/20/2003 14:51
Matrix: Soil QC Batch#: 2003/03/20-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Hydraulic Oil	ND	50	mg/Kg	1.00	03/22/2003 14:38	
Surrogates(s)						
o-Terphenyl	77.0	60-130	%	1.00	03/22/2003 14:38	

Total Extractable Petroleum Hydrocarbons (TEPH)

Jonas & Associates, Inc.
Attn.: Voytek Bajsarowicz

1350 Arnold Drive Suite 202
Martinez, CA 94553
Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Received: 03/10/2003 16:11

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Method Blank

Soil

QC Batch # 2003/03/20-03.10

MB: 2003/03/20-03.10-003

Date Extracted: 03/20/2003 14:51

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	03/21/2003 17:45	
Hydraulic Oil	ND	50	mg/Kg	03/21/2003 17:45	
Surrogates(s) o-Terphenyl	85.4	60-130	%	03/21/2003 17:45	

Total Extractable Petroleum Hydrocarbons (TEPH)

Jonas & Associates, Inc.
Attn.: Voytek Bajsarowicz

1350 Arnold Drive Suite 202
Martinez, CA 94553
Phone: (925) 374-0020 Fax: (925) 374-0021

Project: GSA-211A

Received: 03/10/2003 16:11

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2003/03/20-03.10

LCS 2003/03/20-03.10-001

Extracted: 03/20/2003

Analyzed: 03/21/2003 16:24

LCSD 2003/03/20-03.10-002

Extracted: 03/20/2003

Analyzed: 03/21/2003 17:04

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	35.4	36.0	41.5	85.3	87.0	2.0	60-130	25		
Surrogates(s) o-Terphenyl	20.6	21.2	20.0	103.1	105.8		60-130	0		

Jonas & Associates, Inc.

March 27, 2003

1350 Arnold Drive Suite 202
Martinez, CA 94553
Attn.: Voytek Bajsarowicz
Project#: GSA-211A

Dear Mr. Bajsarowicz:

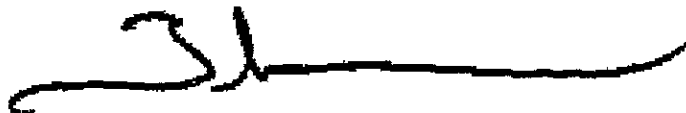
Attached is our report for your samples received on 03/10/2003 16:11
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
04/24/2003 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: tgranicher@stl-inc.com

Sincerely,



Tod Granicher
Project Manager