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SAN FRANCISCO PUBLIC UTILITIES COMMISSION

BERM - 3801 Third Street, Suite 600, San Francisco, CA 94124 • Tel. (415) 695-7310 • Fax (415) 695-7388



January 15, 2003

Mr. Scott Seery
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Subject: Site Investigation Report for Sunol Maintenance Yard, 505 Paloma
Way, Sunol, California

WILLIE L. BROWN, JR.
MAYOR

ANN MOLLER CAEN
PRESIDENT
E. DENNIS NORMANDY
ASHOK KUMAR BHATT
JEFFREY CHEN

PATRICIA E. MARTEL
GENERAL MANAGER

Dear Mr. Seery:

Enclosed is Weiss Associates' report detailing the soil and groundwater investigation at SF-PUC Sunol Maintenance Yard, 505 Paloma Way, Sunol. The field work was performed on August 20 and 22-23, 2002.

As requested in your letter (July 10, 2002) approving the investigation workplan, laboratory analyses for TPH-g, MtBE (by EPA Method 8260), and HVOC (by EPA Method 8260) were added to the scope of work.

Based on the absence of any of the constituents of concern in groundwater and the minimal levels of TPH-D in the soil, Weiss has recommended that the Alameda County Department of Environmental Health consider closure for the Maintenance Yard.

Please call me (415-695-7386) if you have any questions.

Sincerely,

Randall D. Smith
Regulatory Specialist

Cc: Chuck Headlee, RWQCB
Gary Williams, SFPUC



Weiss Associates

Environmental Science, Engineering and Management

5801 Christie Avenue, Suite 600, Emeryville, CA 94608-1939 Fax: 510-547-5043 Phone: 510-450-6000

SITE INVESTIGATION REPORT

for

**Sunol Maintenance Yard
505 Paloma Way
Sunol, California**

RO 340

prepared for

San Francisco Public Utilities Commission
3801 Third Street, Suite 600
San Francisco, California
Task # Weiss-03&04, Contract #BPUC2000129

January 7, 2003

PHASE II SITE ASSESSMENT REPORT

for

**Sunol Maintenance Yard
505 Paloma Way
Sunol, California**

prepared by

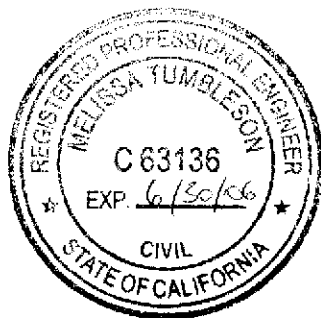
Weiss Associates
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Emeryville, CA 94608

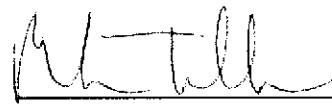
WA Job #268-1573-3-1

 1/7/03

Scott Bourne
Senior Staff Engineer

Weiss Associates work for the soil sampling at the Sunol Maintenance Yard was conducted under my supervision. To the best of my knowledge, the data contained herein are true and accurate and satisfy the scope of work prescribed by the client for this project. The data, findings, recommendations, specifications or professional opinions were prepared solely for the use of the San Francisco Public Utilities Commission in accordance with generally accepted professional engineering and geologic practice.



 1/7/03

Melissa Tumbleson, P.E. Date
Project Engineer
Civil Registration No. C63136

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ACRONYMS AND ABBREVIATIONS

ACDEH	Alameda County Department of Environmental Health
ACFCWCD	Alameda County Flood Control and Water Conservation District
BTEX	Benzene, toluene, ethyl benzene, and total xylenes
Cal/OSHA	California Occupational Safety and Health Administration
COC	constituent of concern
ft bgs	feet below ground surface
mg/kg	Milligrams per kilogram
MTBE	Methyl Tertiary Butyl Ether
ND	non-detect at or above the laboratory reporting limit
RBSL	Risk-Based Screening Level based on RWQCB's Application of Risk-Based Screening Levels and Decision Making to Sites with Impacted Soil and Groundwater, Volume 1 Table D, Interim Final—December 2001
RWQCB	Regional Water Quality Control Board
STLC	Soluble threshold limit concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons , -D (diesel range), -G (gasoline range)
TRPH	Total Recoverable Petroleum Hydrocarbons
USEPA	United States Environmental Protection Agency
Weiss	Weiss Associates
WET	Waste Extraction Test for STLC

EXECUTIVE SUMMARY

This Executive Summary serves as a complement to the entire report and should not be treated as a stand-alone document. The reader is referred to the detailed information provided within this report for additional data not contained in this Executive Summary.

Sunol Maintenance Yard (the Site) is located at 505 Paloma Way, Sunol, California (Figure 1). The site is located in the City of Sunol at the intersection of Paloma Way and Pleasanton-Sunol Road approximately 10 miles east of the Pacific Ocean.

Weiss Associates (Weiss) was contracted by the San Francisco Public Utilities Commission to conduct the August 20, 22 and 23, 2002 soil and ground water sampling at the Site. The objective of the work described in this report was to provide data to assist the Alameda County Department of Environmental Health (ACDEH) in gathering necessary data to achieve site closure by:

- Conducting soil and groundwater sampling activities through the use of Hydropunch technology and conducting groundwater sampling from existing site monitoring wells; and,
- Preparing this report detailing the findings of the Site investigation.

The focus of this Site investigation was to determine whether subsurface contamination exists at the site at levels requiring further action. Approximately 60 cubic yards of soil contaminated with waste oil was excavated from the Site in November 1989. According to information from the ACDEH wastes were improperly disposed of at the Site resulting in the waste oil contamination. Three underground storage tanks were removed from the Site in May 1990. Three ground water monitoring wells were installed in 1991 and quarterly monitoring was conducted through 1993.

Although petroleum hydrocarbons were not detected in the ground water samples from the three monitoring wells, additional ground water sampling was requested farther downgradient of the existing monitoring wells since the ACDEH did not feel the wells had been positioned sufficiently downgradient of the past contamination. Additionally, contaminated soil was discovered under the Maintenance Yard storage shed during a past sampling event. The sampling activities presented in this report describe hydropunch borings downgradient of the existing monitoring wells and in the area of the storage shed (Figure 2).

Subsurface sample locations are as shown in Figure 2. Table 1 summarizes subsurface soil sample results and Table 2 summarizes groundwater sample results.

All soil samples were reported as non-detect at all depths for O&G, TPH-G, BTEX, MTBE, and HVOCs. Soil samples MY-1, MY-2, and MY-3 exhibited TPH-D at concentrations between 1.3 mg/kg and 3.1 mg/kg. The reporting limit for TPH-D is 1 mg/kg. Generally, the TPH-D concentrations were highest at the 5' sample, and decrease with depth. However, sample MY-3 exhibited detectable levels of TPH-D at a depth of 20' bgs.

All groundwater samples were reported as non-detect for TPH-D, O&G, TPH-G, BTEX, MTBE, and HVOCs.

The December 2001 Risk Based Screening Level (RBSL) published by the San Francisco Regional Water Quality Control Board (RWQCB) for residential and commercial land use where groundwater is a potential drinking water source is 100 mg/kg for TPH-D.

The following conclusions are based on the findings listed and discussed above:

- Groundwater test results indicate that no area sampled demonstrated TPH-D, O&G, TPH-G, BTEX, MTBE or HVOC above detection limits.
- Soil test results indicate that no area sampled demonstrated O&G, TPH-G, BTEX, MTBE or HVOC above detection limits.
- Soil test results indicate that small quantities of TPH-D between 1.3 mg/kg to 3.1 mg/kg is present in soil in borings MY-1 and MY-2 and that the TPH-D generally decreases with depth.
- Soil test results indicate that MY-4 has no TPH-D present above detection limits and that MY-3 demonstrated presence of TPH-D in only the 20' sample at 1.4 mg/kg.

Based on the analytical data presented in this report, it does not appear that contamination migrated hydrologically downgradient of previous contamination.

Based on the absence of any of the COCs in groundwater and the minimal levels of TPH-D in the soil when compared with applicable RBSLs, Weiss suggests that the ACDEH consider closure for the Sunol Maintenance Yard.

1. INTRODUCTION AND BACKGROUND INFORMATION

Sunol Maintenance Yard (the Site) is located at 505 Paloma Way, Sunol, California (Figure 1). The site is located in the City of Sunol at the intersection of Paloma Way and Pleasanton Sunol Road approximately 10 miles east of the Pacific Ocean.

Weiss Associates (Weiss) was contracted by the San Francisco Public Utilities Commission to conduct the August 20, 22 and 23, 2002 soil and ground water sampling at the Site. The objective of the work described in this report was to provide data to assist the Alameda County Department of Environmental Health (ACDEH) in gathering necessary data to achieve site closure by:

- Conducting soil and groundwater sampling activities through the use of Hydropunch technology and conducting groundwater sampling from existing site monitoring wells; and,
- Preparing this report detailing the Site investigation findings.

The focus of this Site investigation was to determine whether subsurface contamination exists at the site at levels requiring further action. Approximately 60 cubic yards of soil contaminated with waste oil was excavated from the Site in November 1989. According to information from the ACDEH wastes were improperly disposed of at the Site resulting in the waste oil contamination. Three underground storage tanks were removed from the Site in May 1990. Three ground water monitoring wells were installed in 1991 and quarterly monitoring was conducted through 1993.

Although petroleum hydrocarbons were not detected in the ground water samples from the three monitoring wells, additional ground water sampling was requested farther downgradient of the existing monitoring wells since the ACDEH did not feel the wells had been positioned sufficiently downgradient of the past contamination. Additionally, contaminated soil was discovered under the Maintenance Yard storage shed during a past sampling event. The sampling activities presented in this report describe hydropunch borings downgradient of the existing monitoring wells and in the area of the storage shed (Figure 2).

The required drilling permits were obtained from the Alameda County Flood Control and Water Conservation District (ACFCWCD). Underground Service Alert (USA) was contacted to ascertain the presence and location of underground utilities, prior to conducting any boring or sampling activities.

The areas sampled and the constituents of concern (COCs) analyzed were based on the Workplan for Soil and Groundwater Sampling prepared by Weiss Associates, dated March 13, 2002, and the clarifications presented in the ACDEH Workplan approval, dated July 10, 2002 (Appendix A). A total of four Hydropunch borings were installed to an approximate depth of twenty feet or until groundwater was encountered, and groundwater samples were collected from each boring. Additionally, Weiss sampled groundwater at existing monitoring well MW-1 at the site.

2. SITE SAMPLING ACTIVITIES

Maile Smith of Weiss Associates conducted soil sampling on August 22, 2002. Weiss subcontracted Gregg Drilling to complete subsurface drilling services for the project and Severin Trent Laboratory to provide analytical services.

Soil borings were installed:

- To a depth of 20 feet below grade surface (ft bgs) underneath the shed adjacent to the maintenance shop (MY-1). The boring originated 3' north of the shop and was drilled at a 14° angle such that the boring terminus was 20 feet directly below the shed.
- To a depth of 20 ft bgs in three borings hydrologically downgradient of the former USTs, as determined from historic groundwater data (MY-2, MY-3 and MY-4.)

Subsurface soil samples MY-1 through MY-4 were collected at depths of 5, 10, 15 and 20 feet below ground surface (ft bgs). Subsurface sample locations are as shown on Figure 2.

The soil samples were collected in either new brass or stainless steel tubes. The tubes were immediately capped with Teflon tape and plastic end caps. The samples were placed in an iced cooler for transport to the laboratory under chain-of-custody procedures. The samples were analyzed for one or more of the following:

- Total petroleum hydrocarbons as gasoline (TPH-G) by USEPA Method 8015;
- Total petroleum hydrocarbons as diesel (TPH-D) by USEPA Method 8015;
- Benzene, toluene, ethyl benzene, and total xylenes (BTEX) by USEPA Method 8020;
- Methyl tertiary-butyl ether (MTBE) by USEPA Method 8260
- Oil and Grease (O&G) by USEPA Method 1664A; and
- Halogenated volatile organic compounds (HVOC) by USEPA Method 5035/8260B.

The analytical data sheets and chain-of-custody records are presented in Appendix B. Boring logs are included as Appendix C.

3. FINDINGS

Subsurface sample locations are as shown in Figure 2. Table 1 summarizes subsurface soil sample results and Table 2 summarizes groundwater sample results.

All soil samples were reported as non-detect at all depths for O&G, TPH-G, BTEX, MTBE, and HVOCs. Soil samples MY-1, MY-2, and MY-3 exhibited TPH-D at concentrations between 1.3 mg/kg and 3.1 mg/kg. The reporting limit for TPH-D is 1 mg/kg. Generally, the TPH-D

concentrations were highest at the 5' sample, and decrease with depth. However, sample MY-3 exhibited detectable levels of TPH-D at a depth of 20' bgs.

All groundwater samples were reported as non-detect for TPH-D, O&G, TPH-G, BTEX, MTBE, and HVOCs.

The December 2001 Risk Based Screening Level (RBSL) published by the San Francisco Regional Water Quality Control Board (RWQCB) for residential and commercial land use where groundwater is a potential drinking water source is 100 mg/kg for TPH-D.

4. CONCLUSIONS

The following conclusions are based on the findings listed and discussed above:

- Groundwater test results indicate that no area sampled demonstrated TPH-D, O&G, TPH-G, BTEX, MTBE or HVOC above detection limits.
- Soil test results indicate that no area sampled demonstrated O&G, TPH-G, BTEX, MTBE or HVOC above detection limits.
- Soil test results indicate that small quantities of TPH-D between 1.3 mg/kg to 3.1 mg/kg is present in soil in borings MY-1 and MY-2 and that the TPH-D generally decreases with depth.
- Soil test results indicate that MY-4 has no TPH-D present above detection limits and that MY-3 demonstrated presence of TPH-D in only the 20' sample at 1.4 mg/kg.
- Based on the analytical data presented in this report, no contamination from at the site has migrated hydrologically downstream of previous contamination.

5. RECOMMENDATIONS

Based on the absence of any of the COCs in groundwater and the minimal levels of TPH-D in the soil when compared with applicable RBSLs, Weiss suggests that the ACDEH consider closure for the Sunol Maintenance Yard.

6. REFERENCES

Weiss Associates, 2002. Proposal for Site Investigation Services at the Sunol Maintenance Yard, San Francisco, California, December 7, 2001.

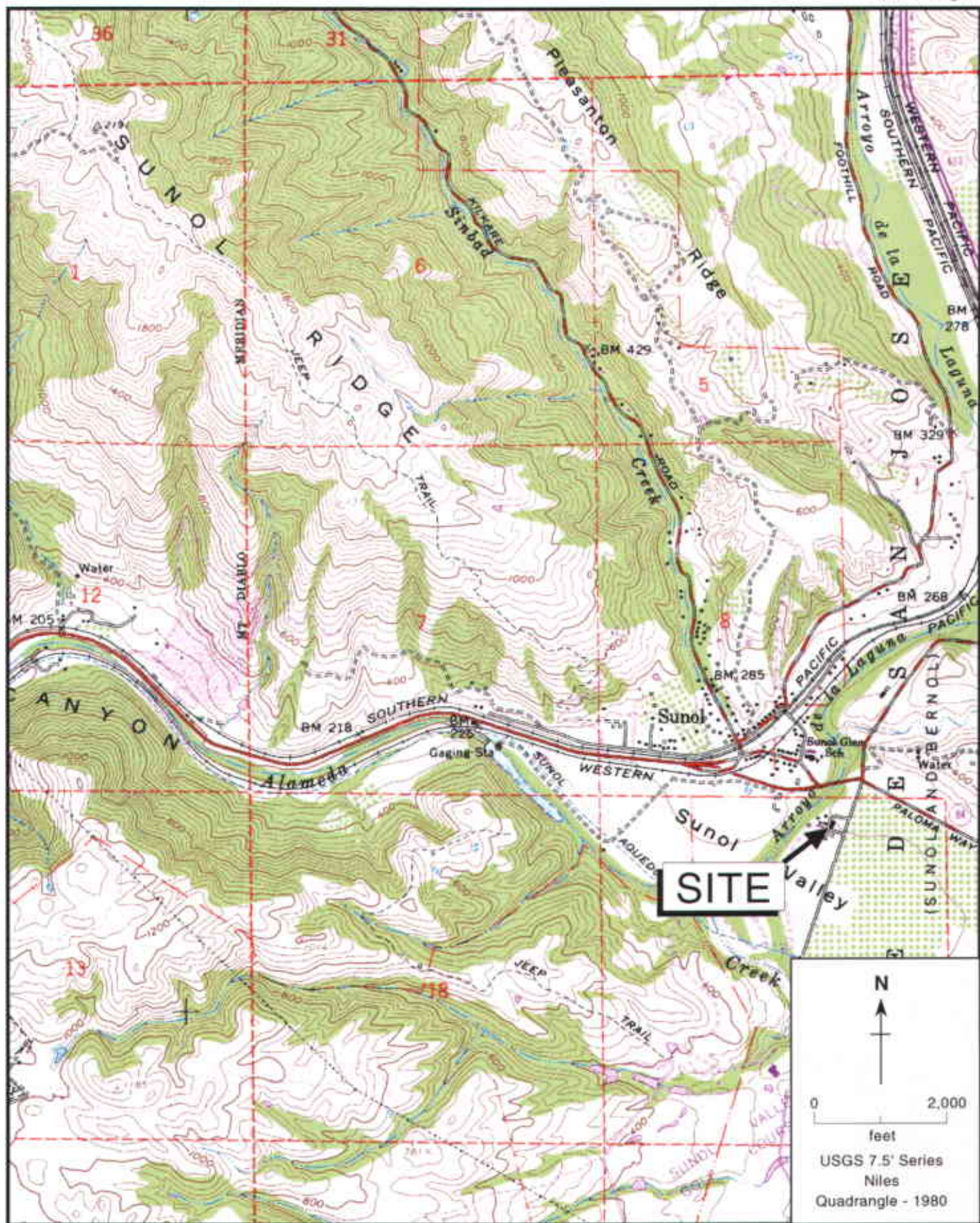


Figure 1. Site Vicinity Map, Sunol Maintenance Yard

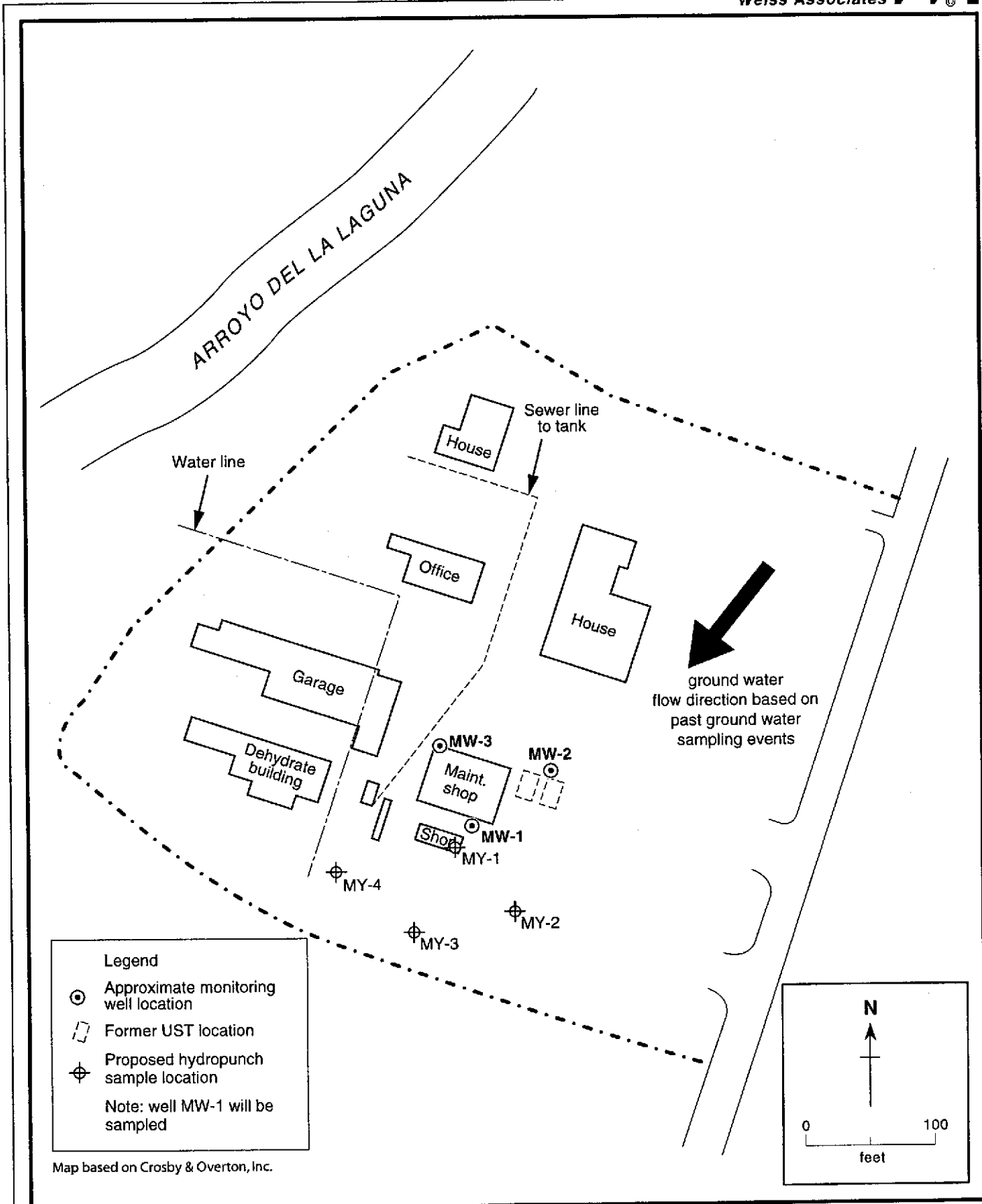


Figure 2. Site Plan, Sunol Maintenance Yard

Table 1. Soil Sample Results from Hydropunch Borings, Sunol Maintenance Yard,
August 22-23, 2002

Sample Number	TPH-D	O&G	TPH-G	BTEX	MTBE	HVOCs
	mg/kg					
MY-1-S-5	1.3	ND	ND	ND	ND	ND
MY-1-S-10	3.1	ND	ND	ND	ND	ND
MY-1-S-15	2.1	ND	ND	ND	ND	ND
MY-1-S-20	ND	ND	ND	ND	ND	ND
MY-2-S-5	3.0	ND	ND	ND	ND	ND
MY-2-S-10	2.5	ND	ND	ND	ND	ND
MY-2-S-15	1.4	ND	ND	ND	ND	ND
MY-2-S-20	ND	ND	ND	ND	ND	ND
MY-3-S-5	ND	ND	ND	ND	ND	ND
MY-3-S-10	ND	ND	ND	ND	ND	ND
MY-3-S-15	ND	ND	ND	ND	ND	ND
MY-3-S-20	1.4	ND	ND	ND	ND	ND
MY-4-S-5	ND	ND	ND	ND	ND	ND
MY-4-S-10	ND	ND	ND	ND	ND	ND
MY-4-S-15	ND	ND	ND	ND	ND	ND
MY-4-S-20	ND	ND	ND	ND	ND	ND
Reporting Limit	1.0	50	1.0	0.005	0.005	Various
Regulatory Limit*	100/ 100	--	100/100	B-0.045/0.045 T-2.6/2.6 E-2.5/2.5 X-1.0/1.0	0.028/0.028	--

ND – Not detected above the laboratory reporting limit.

*Per RWQCB, Risk Based Screening Levels, Interim Final December 2001, Table C. Subsurface Soil and Groundwater RBSLs where groundwater IS a potential drinking water source. (Residential / Industrial)

Table 2. Ground Water Results from Monitoring Well Sampling and Hydropunch Borings, Sunol Maintenance Yard, August 20-23, 2002

Sample Number	TPH-D	O&G	TPH-G	BTEX	MTBE	HVOCs
	µg/L (unless otherwise noted)					
MY-MW-1	ND	ND	ND	ND	ND	ND
MY-1-GW	ND	ND	ND	ND	ND	ND
MY-2-GW	ND	ND	ND	ND	ND	ND
MY-3-GW	ND	ND	ND	ND	ND	ND
MY-4-GW	ND	ND	ND	ND	ND	ND
Reporting Limit	50	1.0-1.9 mg/L	50	0.5	5.0	Various
Regulatory Limit*	100	--	100	B-1.0 T-40 E-30 X-13	5.0	Various

ND – Not detected above the laboratory reporting limit.

*Per RWQCB, Risk Based Screening Levels, Interim Final December 2001, Table C. Subsurface Soil and Groundwater RBSLs where groundwater IS a potential drinking water source. (Residential / Industrial)

APPENDIX A

**WORKPLAN FOR SOIL AND GROUND WATER SAMPLING AND
ACDEH WORKPLAN APPROVAL**



Weiss Associates *Environmental Science and Engineering Services*

5801 Christie Avenue, Suite 600, Emeryville, CA 94608

Phone: 510-450-6000

**WORKPLAN FOR SOIL AND GROUND WATER
SAMPLING**

for

**Sunol Maintenance Yard
Sunol, California**

prepared for

San Francisco Public Utilities Commission
3801 Third Street, Suite 600
San Francisco, California 94124

March 13, 2002

WORKPLAN FOR SOIL AND GROUND WATER SAMPLING

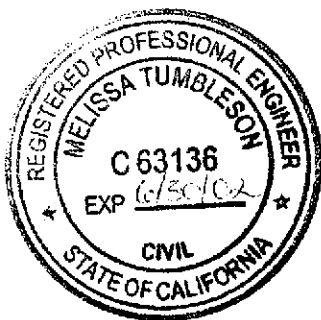
for

Sunol Maintenance Yard Sunol, California

prepared by

Weiss Associates
5801 Christie Avenue, Suite 600
Emeryville, CA 94608

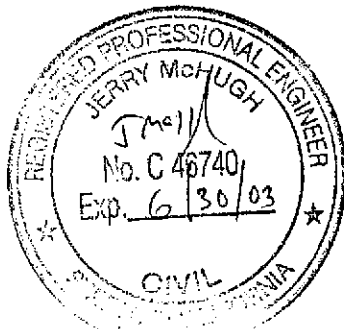
Weiss Job # 268-1573-4



A handwritten signature in black ink, appearing to read "Mel Tumb", written over a horizontal line.

Melissa Tumbleson, P.E.
Civil Engineer No. C63136
Project Manager

Weiss Associates' work for the San Francisco Public Utilities Commission, was conducted under my supervision. To the best of my knowledge, the data contained herein are true and accurate and satisfy the scope of work prescribed by the client for this project. The data, findings, recommendations, specifications or professional opinions were prepared solely for the use of the San Francisco Public Utilities Commission in accordance with generally accepted professional engineering and geologic practice. We make no other warranty, either expressed or implied, and are not responsible for the interpretation by others of the contents herein.



A handwritten signature in black ink, appearing to read "J Mc H", followed by the date "3/13/02", written over a horizontal line.

Jerry McHugh, P.E.
Civil Engineer No. C46740
Principal

Date

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FIGURES

Figure 1. Site Vicinity Map

Figure 2. Site Plan

1. INTRODUCTION

1.1 Objective

Weiss Associates (Weiss) was contracted by the San Francisco Public Utilities Commission (SFPUC) to conduct soil and ground water sampling at the Sunol Maintenance Yard. The objectives of the sampling activities presented in this workplan are to fill in data gaps for the purpose of requesting site closure from the Alameda County Environmental Health Department (ACEHD).

1.2 Site Background

The Site is located in Sunol, California (Figure 1). Approximately 60 cubic yards of soil contaminated with waste oil was excavated from the Site in November 1989. According to information from the ACEHD wastes were improperly disposed of at the Site resulting in the waste oil contamination. Three underground storage tanks were removed from the Site in May 1990. Three ground water monitoring wells were installed in 1991 and quarterly monitoring was conducted through 1993.

Although petroleum hydrocarbons were not detected in the ground water samples from the three monitoring wells, additional ground water sampling was requested farther downgradient of the existing monitoring wells since the ACEHD did not feel the wells had been positioned sufficiently downgradient of the past contamination. Additionally, contaminated soil was discovered under the Maintenance Yard storage shed during a past sampling event. The sampling activities presented in this workplan include hydropunch borings downgradient of the existing monitoring wells and in the area of the storage shed (Figure 2).

2. SAMPLING DETAILS

2.1 Soil Sampling Procedures

Four hydropunch borings to a depth of approximately 20 ft bgs (or until ground water is encountered), are planned for the area around the Maintenance Yard as shown in Figure 2. MY-1 will be installed through the floor of the storage shed due to the contaminated soil that was detected there during a past sampling event.

Soil samples from each boring will be collected every five feet and at the estimated soil/ground water interface. Three soil samples will be analyzed from each of the hydropunch borings. The interface sample and two additional samples with either the highest photo-ionization detector (PID) reading, or the most obvious contamination based on visual inspection (i.e., soil staining), will be analyzed. Remaining soil samples will be held by the analytical laboratory. Samples will be transported to the selected laboratory in iced coolers under a signed Chain of Custody.

The minimal soil cuttings generated from the direct-push drilling will be stored on-site in 5-gallon buckets, approximately one bucket per boring, until receipt of analytical results, at which time the soil cuttings will be properly disposed of by SFPUC.

Table 1 summarizes planned sample collection activities.

2.2 Ground Water Sampling Procedures

A ground water sample will be collected from existing monitoring well MW-1 in the area of the Maintenance Yard. MW-1 is shown on Figure 2. This well was selected based on its downgradient location relative to the area of concern. Ground water samples will also be collected from the four hydropunch borings shown in Figure 2 at first encountered ground water. Samples will be transported to the selected laboratory in iced coolers under a signed Chain of Custody.

Purged ground water generated from sampling activities will be stored on-site in a 5-gallon bucket until receipt of analytical results, at which time the purged ground water will be properly disposed of by SFPUC.

Table 1 summarizes planned sample collection activities.

Table 1. Sample Collection Summary, Maintenance Yard, Sunol, California

Sample Location	# Soil Samples	# Ground Water Samples	# Trip Blanks/Rinsate Samples	Analyze for:
Existing Ground Water Well	NA	1	NA (trip blank included below, using a disposable bailer)	TPH-D, BTEX, MTBE, O&G, HVOCs
New Soil Borings (4)	3 per boring	1 per boring	2 (1 trip blank, 1 rinsate sample if not using disposable equipment)	TPH-D, BTEX, MTBE, O&G, HVOCs
TOTAL	12	5	2	

NA – not applicable

2.3 Quality Control Samples

A trip blank sample will be included in one of the coolers transporting the sample containers. Equipment rinsate samples will be collected on a daily basis as necessary if sample collection equipment is being reused between sample points. A summary of quality control sample collection to be performed during this investigation is included in Table 2.

Table 2. Field Quality Control Samples

Sampling Activity	Frequency of Occurrence
Trip Blank	Daily
Equipment Rinsate	Daily (as necessary)

2.4 Sample Identification

The identification numbers for the samples collected for this project will be represented by the following:

1. WW-W: 2 character designation of the sampling site followed by boring number (e.g., MY-2 for the second boring at the Maintenance Yard)
2. XX: 1-2 character designation for the sample matrix (e.g., GW-ground water, S-soil)
3. YY: 1-2 character designation of the sample depth (for soil samples only)

For example, the identification number for the soil sample collected at 10 ft bgs from the second boring would be MY-2-S-10.

2.5 Decontamination Procedures

Disposable sampling equipment will be utilized as much as possible to avoid the need for decontamination. Non-disposable sampling equipment will be decontaminated between borings by cleaning with non-phosphate laboratory detergent and rinsing with water.

2.6 Laboratory Analysis Procedures

Weiss will procure the services of STL San Francisco (STL) for laboratory analysis of soil and ground water samples. STL is a state-certified lab located at 1220 Quarry Road in Pleasanton, California. Their certification number is I-2496. Analytical laboratory procedures will include calibration of instruments, analysis of samples, preventative maintenance, corrective action, data reduction, validation and reporting. Analytical methods will be conducted in accordance with *EPA SW-846 Manual for Test Methods for Evaluating Solid Waste Final Update II*, September 1994.

Based on suspected contaminants, soil and ground water samples will be analyzed for the following:

- TPH-D;
- Benzene, toluene, ethyl benzene and xylenes (BTEX);
- Methyl tertiary-butyl ether (MTBE);
- Oil and Grease (O&G); and,
- Halogenated volatile organic compounds (HVOCs).

2.7 Testing Methods

Table 3 provides additional details on the testing to be performed.

Table 3. Testing Methods		Soil Practical Quantitation Limit (mg/kg)	Ground Water Practical Quantitation Limit (mg/L)
Analyte	Analysis		
TPH-D	EPA 8015 modified	1.0	0.05
BTEX	EPA 8020	0.005	0.0005
MTBE	EPA 8020 or 8260	0.005	0.005
O&G	EPA 1664A	50	1
HVOCs	EPA 5030B/5035/8021B	5 to 50 µg/kg	0.5 to 2 µg/L

2.8 Reporting

Upon receipt of laboratory results, Weiss will prepare a report detailing the results of the sampling activities.

FIGURES

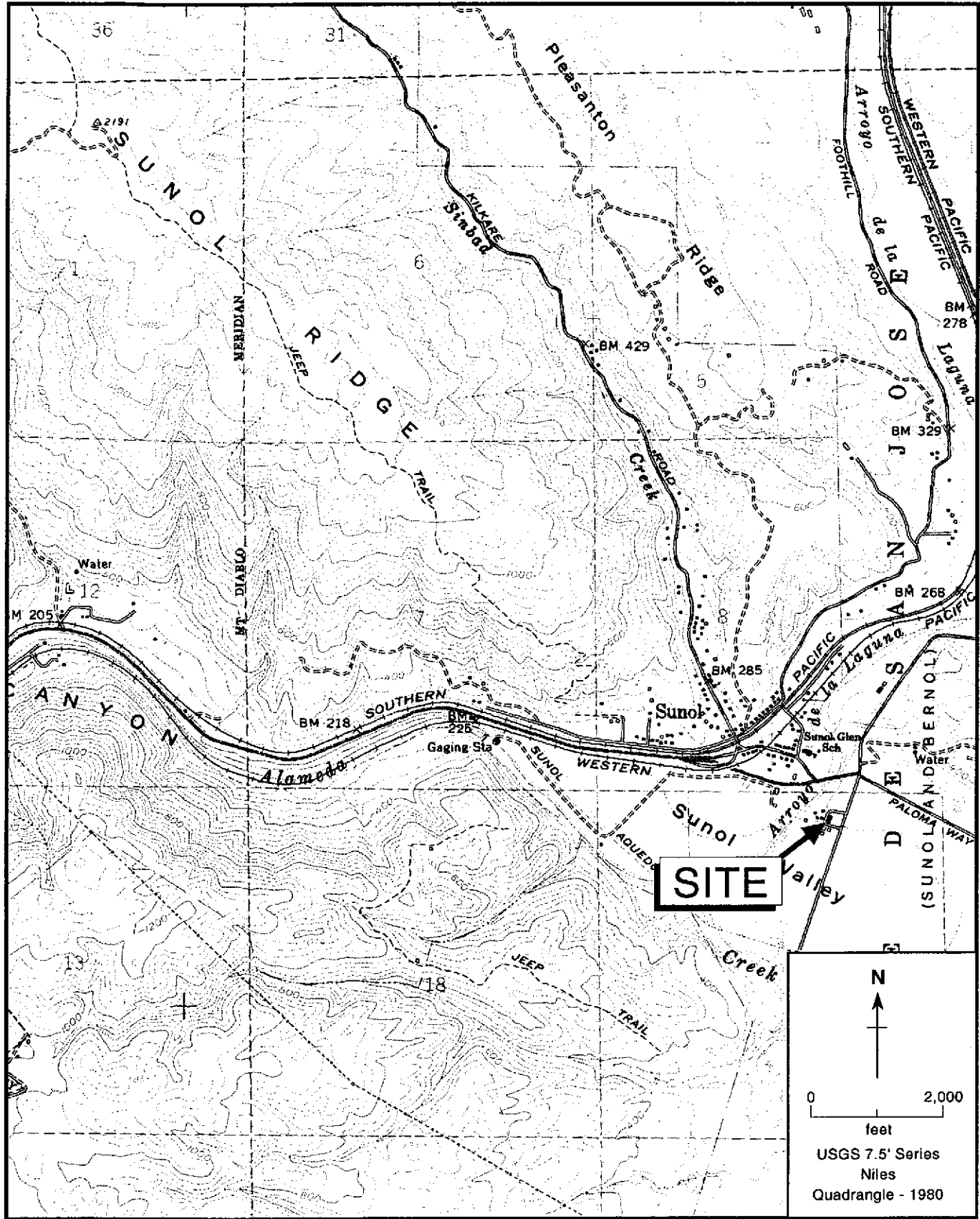


Figure 1. Site Vicinity Map, Sunol Maintenance Yard

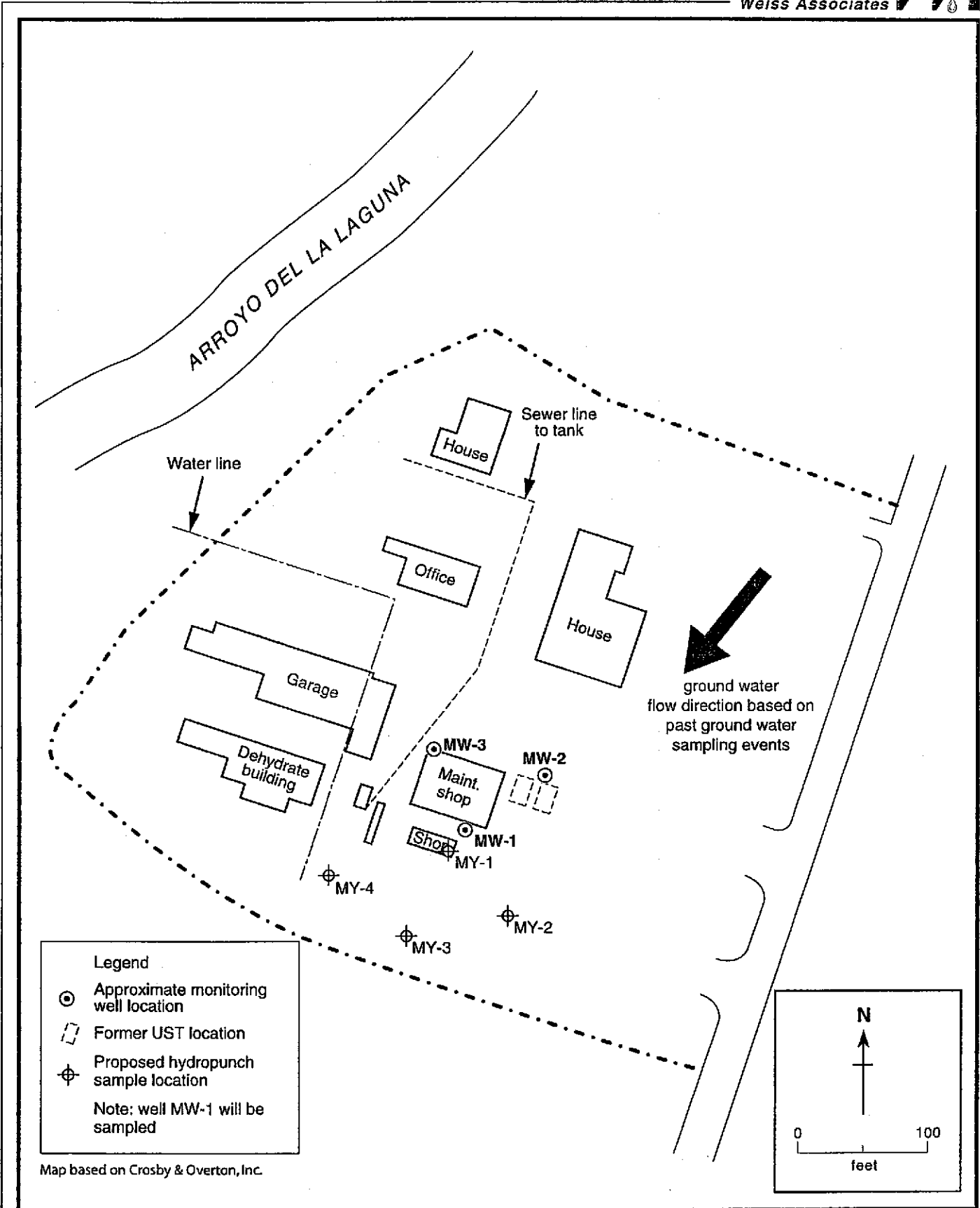


Figure 2. Site Plan, Sunol Maintenance Yard

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
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July 10, 2002

RO0000340

Mr. Paul Mazza
San Francisco Public Utilities Commission
1000 El Camino Real
Millbrae, CA 94030

RE: San Francisco Water Department, Sunol Maintenance Yard, 505 Paloma Way, Sunol, Alameda County – Soil and Water Investigation Workplan

Dear Mr. Mazza:

I have completed review of the March 13, 2002 Weiss Associates (WA) soil and water investigation (SWI) workplan for the subject San Francisco Water Department (SFWD), Sunol Maintenance Yard. The WA workplan calls for the installation of four (4) temporary sampling points at the site, the collection of both soil and groundwater samples from each, and the collection of a water sample from (existing) well MW-1.

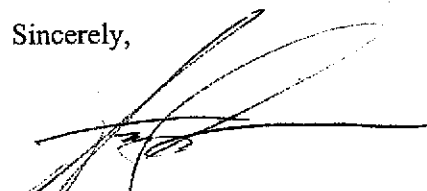
The cited WA workplan is accepted as submitted with the following clarifications:

1. Analyses for Total Petroleum Hydrocarbons as gasoline (TPH-g) is to be added to the proposed suite of analyses.
2. EPA Method 8260 is to be used for methyl tert-butyl ether (MtBE) confirmation
3. EPA Methods 8010, 8240 or 8260 are to be used for HVOC analyses, not 8021B as proposed

This workplan is to be implemented within 60 days of the date of this letter.

Please call me at (510) 567-6783 to advise when field work has been scheduled.

Sincerely,



Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB
Mat Katen, Zone 7 Water Agency, 5997 Parkside Dr., Pleasanton, CA 94588-5127
Randall Smith, S.F. Public Utilities Commission, 3801 Third St., Ste. 600, S.F., CA 94124
Melissa Tumbleson, Weiss Assoc., 5801 Christie Ave., Ste. 600, Emeryville, CA 94608-1827

APPENDIX B

ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORMS

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

Weiss Associates

Attn.: Melissa Tumbleson
5801 Christie Avenue, Suite 600
Emeryville, CA 94608-1827
Phone: (510) 450-6124 Fax: (510) 547-5043

Project: 268-1573

Received: 08/22/2002 17:15

SEVERN
TRENT
LABORATORY

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel: (925) 484-1919
Fax: (925) 484-1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MY-1-S-5	08/22/2002 09:20	Soil	1
MY-1-S-10	08/22/2002 09:30	Soil	2
MY-1-S-15	08/22/2002 09:40	Soil	3
MY-1-S-20	08/22/2002 11:05	Soil	4
MY-2-S-5	08/22/2002 08:00	Soil	6
MY-2-S-10	08/22/2002 08:05	Soil	7
MY-2-S-15	08/22/2002 08:10	Soil	8
MY-2-S-20	08/22/2002 08:15	Soil	9
MY-3-S-5	08/22/2002 13:05	Soil	11
MY-3-S-10	08/22/2002 13:10	Soil	12
MY-3-S-15	08/22/2002 13:20	Soil	13
MY-3-S-20	08/22/2002 13:30	Soil	14
MY-4-S-5	08/22/2002 11:45	Soil	16
MY-4-S-10	08/22/2002 11:50	Soil	17

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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www.chromalab.com

CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8015M
Sample ID: MY-1-S-5 Lab ID: 2002-08-0470 - 1
Sampled: 08/22/2002 09:20 Extracted: 8/23/2002 11:03
Matrix: Soil QC Batch#: 2002/08/23-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/23/2002 11:03	
Surrogates(s)						
4-Bromofluorobenzene-FID	58.1	58-124	%	1.00	08/23/2002 11:03	

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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www.chromalab.com

CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8015M
Sample ID: MY-1-S-15 Lab ID: 2002-08-0470 - 3
Sampled: 08/22/2002 09:40 Extracted: 8/23/2002 12:05
Matrix: Soil QC Batch#: 2002/08/23-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/23/2002 12:05	
Surrogates(s)						
4-Bromofluorobenzene-FID	70.8	58-124	%	1.00	08/23/2002 12:05	

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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www.chromalab.com

CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8015M
Sample ID: MY-1-S-20 Lab ID: 2002-08-0470 - 4
Sampled: 08/22/2002 11:05 Extracted: 8/23/2002 12:36
Matrix: Soil QC Batch#: 2002/08/23-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/23/2002 12:36	
<i>Surrogates(s)</i> 4-Bromofluorobenzene-FID	60.6	58-124	%	1.00	08/23/2002 12:36	

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

Weiss Associates

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Project: 268-1573

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8015M
Sample ID: MY-2-S-5 Lab ID: 2002-08-0470 - 6
Sampled: 08/22/2002 08:00 Extracted: 8/23/2002 13:07
Matrix: Soil QC Batch#: 2002/08/23-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/23/2002 13:07	
<i>Surrogates(s)</i>						
Trifluorotoluene-FID	54.8	53-125	%	1.00	08/23/2002 13:07	

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8015M
Sample ID: MY-2-S-10 Lab ID: 2002-08-0470 - 7
Sampled: 08/22/2002 08:05 Extracted: 8/23/2002 13:38
Matrix: Soil QC Batch#: 2002/08/23-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/23/2002 13:38	
<i>Surrogates(s)</i>						
4-Bromofluorobenzene-FID	72.7	58-124	%	1.00	08/23/2002 13:38	

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8015M
Sample ID: MY-2-S-15 Lab ID: 2002-08-0470 - 8
Sampled: 08/22/2002 08:10 Extracted: 8/23/2002 16:39
Matrix: Soil QC Batch#: 2002/08/23-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/23/2002 16:39	
<i>Surrogates(s)</i>						
4-Bromofluorobenzene-FID	58.2	58-124	%	1.00	08/23/2002 16:39	

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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Project: 268-1573

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8015M
Sample ID: MY-2-S-20 Lab ID: 2002-08-0470 - 9
Sampled: 08/22/2002 08:15 Extracted: 8/23/2002 17:11
Matrix: Soil QC Batch#: 2002/08/23-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/23/2002 17:11	
Surrogates(s)						
4-Bromofluorobenzene-FID	59.1	58-124	%	1.00	08/23/2002 17:11	

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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Project: 268-1573

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CA DHS ELAP# 2496

Prep(s): 5035	Test(s): 8015M
Sample ID: MY-3-S-5	Lab ID: 2002-08-0470 - 11
Sampled: 08/22/2002 13:05	Extracted: 8/23/2002 17:42
Matrix: Soil	QC Batch#: 2002/08/23-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/23/2002 17:42	
<i>Surrogates(s)</i>						
4-Bromofluorobenzene-FID	65.1	58-124	%	1.00	08/23/2002 17:42	

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s):	5035	Test(s):	8015M
Sample ID:	MY-3-S-10	Lab ID:	2002-08-0470 - 12
Sampled:	08/22/2002 13:10	Extracted:	8/23/2002 18:13
Matrix:	Soil	QC Batch#:	2002/08/23-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/23/2002 18:13	
<i>Surrogates(s)</i> 4-Bromofluorobenzene-FID	63.3	58-124	%	1.00	08/23/2002 18:13	

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	5035	Test(s):	8015M
Sample ID:	MY-3-S-15	Lab ID:	2002-08-0470 - 13
Sampled:	08/22/2002 13:20	Extracted:	8/23/2002 18:45
Matrix:	Soil	QC Batch#:	2002/08/23-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/23/2002 18:45	
Surrogates(s)						
Trifluorotoluene-FID	65.1	53-125	%	1.00	08/23/2002 18:45	

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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www.chromalab.com

CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8015M
Sample ID: MY-3-S-20 Lab ID: 2002-08-0470 - 14
Sampled: 08/22/2002 13:30 Extracted: 8/23/2002 19:16
Matrix: Soil QC Batch#: 2002/08/23-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/23/2002 19:16	
<i>Surrogates(s)</i>						
4-Bromofluorobenzene-FID	60.4	58-124	%	1.00	08/23/2002 19:16	

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8015M
Sample ID: **MY-4-S-5** Lab ID: 2002-08-0470 - 16
Sampled: 08/22/2002 11:45 Extracted: 8/23/2002 19:48
Matrix: Soil QC Batch#: 2002/08/23-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/23/2002 19:48	
Surrogates(s)						
Trifluorotoluene-FID	66.7	53-125	%	1.00	08/23/2002 19:48	

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8015M
Sample ID: MY-4-S-10 Lab ID: 2002-08-0470 - 17
Sampled: 08/22/2002 11:50 Extracted: 8/23/2002 20:19
Matrix: Soil QC Batch#: 2002/08/23-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/23/2002 20:19	
<i>Surrogates(s)</i>						
4-Bromofluorobenzene-FID	68.0	58-124	%	1.00	08/23/2002 20:19	

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2002/08/23-01.01-003

Soil

Test(s): 8015M

QC Batch # 2002/08/23-01.01

Date Extracted: 08/23/2002 08:19

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	08/23/2002 08:19	
Surrogates(s)					
4-Bromofluorobenzene-FID	78.8	58-124	%	08/23/2002 08:19	

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/08/23-01.01

LCS 2002/08/23-01.01-006

Extracted: 08/23/2002

Analyzed: 08/23/2002 09:51

LCSD 2002/08/23-01.01-007

Extracted: 08/23/2002

Analyzed: 08/23/2002 10:22

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Gasoline	0.518	0.509	0.500	103.6	101.8	1.8	75-125	35		
<i>Surrogates(s)</i>										
4-Bromofluorobenzene-FID	366	378	500	73.2	75.6		58-124			

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Test(s): 8015M

Matrix Spike (MS / MSD)

Soil

QC Batch # 2002/08/23-01.01

MY-4-S-10 >> MS

Lab ID: 2002-08-0470 - 017

MS: 2002/08/23-01.01-026

Extracted: 08/23/2002

Analyzed: 08/23/2002 20:50

Dilution: 1.00

MSD: 2002/08/23-01.01-027

Extracted: 08/23/2002

Analyzed: 08/23/2002 21:21

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Gasoline	0.315	0.310	ND	0.498	63.3	63.7	0.6	65-135	35	mso	mso
Surrogate(s) Trifluorotoluene-FID	293	289		500	58.6	57.8		53-125			

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Legend and Notes

Result Flag

mso

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

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

Weiss Associates

Attn.: Melissa Tumbleson
5801 Christie Avenue, Suite 600
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Phone: (510) 450-6124 Fax: (510) 547-5043

Project: 268-1573
Sunol Maintenance Yard & Pump Station

Received: 08/23/2002 16:50

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www.chromalab.com

CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MY-4-S-15	08/22/2002 11:55	Soil	1
MY-4-S-20	08/22/2002 12:20	Soil	2
MY-4-GW	08/23/2002 07:30	Water	3
PS-1-S-5	08/22/2002 14:45	Soil	5
PS-1-S-10	08/22/2002 14:50	Soil	6
PS-1-S-15	08/22/2002 15:05	Soil	7
PS-1-S-20	08/23/2002 08:15	Soil	8
PS-1-GW	08/23/2002 08:20	Water	9
PS-2-S-5	08/23/2002 13:00	Soil	10
PS-2-S-10	08/23/2002 13:05	Soil	11
PS-2-S-15	08/23/2002 13:15	Soil	12
PS-2-S-20	08/23/2002 13:40	Soil	13
PS-2-GW	08/23/2002 13:45	Water	14
PS-3-S-5	08/23/2002 11:20	Soil	15
PS-3-S-10	08/23/2002 11:25	Soil	16
PS-3-S-15	08/23/2002 11:30	Soil	17
PS-3-S-20	08/23/2002 11:50	Soil	18
PS-3-GW	08/23/2002 12:30	Water	19
PS-4-S-5	08/22/2002 15:30	Soil	20
PS-4-S-10	08/22/2002 15:40	Soil	21
PS-4-S-15	08/23/2002 09:10	Soil	22
PS-4-S-20	08/23/2002 09:20	Soil	23
PS-4-GW	08/23/2002 10:15	Water	24
PS-5-S-5	08/23/2002 10:25	Soil	25
PS-5-S-10	08/23/2002 10:30	Soil	26
PS-5-S-15	08/23/2002 10:35	Soil	27
PS-5-S-20	08/23/2002 10:40	Soil	28
PS-5-GW	08/23/2002 11:00	Water	29
PS-TB	08/23/2002 13:20	Water	30

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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Project: 268-1573
Sunol Maintenance Yard & Pump Station

Received: 08/23/2002 16:50

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CA DHS ELAP# 2496

Prep(s):	5035	Test(s):	8015M
Sample ID:	MY-4-S-15	Lab ID:	2002-08-0481 - 1
Sampled:	08/22/2002 11:55	Extracted:	8/27/2002 19:43
Matrix:	Soil	QC Batch#:	2002/08/27-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/27/2002 19:43	
Surrogates(s)						
4-Bromofluorobenzene-FID	60.9	58-124	%	1.00	08/27/2002 19:43	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

Weiss Associates

Attn.: Melissa Tumbleson
5801 Christie Avenue, Suite 600
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CA DHS ELAP# 2496

Prep(s): 5030 Test(s): 8015M
Sample ID: MY-4-GW Lab ID: 2002-08-0481 - 3
Sampled: 08/23/2002 07:30 Extracted: 8/26/2002 11:18
Matrix: Water QC Batch#: 2002/08/26-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/26/2002 11:18	
Surrogates(s)						
4-Bromofluorobenzene-FID	89.1	50-150	%	1.00	08/26/2002 11:18	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8021B
Sample ID: PS-1-S-5 Lab ID: 2002-08-0481 - 5
Sampled: 08/22/2002 14:45 Extracted: 8/27/2002 20:46
Matrix: Soil QC Batch#: 2002/08/27-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/27/2002 20:46	
Toluene	ND	0.0050	mg/Kg	1.00	08/27/2002 20:46	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/27/2002 20:46	
Xylene(s)	ND	0.0050	mg/Kg	1.00	08/27/2002 20:46	
MTBE	ND	0.0050	mg/Kg	1.00	08/27/2002 20:46	
<i>Surrogates(s)</i>						
Trifluorotoluene	87.4	53-125	%	1.00	08/27/2002 20:46	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8021B
Sample ID: PS-1-S-10 Lab ID: 2002-08-0481 - 6
Sampled: 08/22/2002 14:50 Extracted: 8/27/2002 21:17
Matrix: Soil QC Batch#: 2002/08/27-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/27/2002 21:17	
Toluene	ND	0.0050	mg/Kg	1.00	08/27/2002 21:17	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/27/2002 21:17	
Xylene(s)	ND	0.0050	mg/Kg	1.00	08/27/2002 21:17	
MTBE	ND	0.0050	mg/Kg	1.00	08/27/2002 21:17	
Surrogates(s)						
Trifluorotoluene	104.9	53-125	%	1.00	08/27/2002 21:17	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8021B
Sample ID: PS-1-S-15 Lab ID: 2002-08-0481 - 7
Sampled: 08/22/2002 15:05 Extracted: 8/27/2002 21:48
Matrix: Soil QC Batch#: 2002/08/27-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/27/2002 21:48	
Toluene	ND	0.0050	mg/Kg	1.00	08/27/2002 21:48	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/27/2002 21:48	
Xylene(s)	ND	0.0050	mg/Kg	1.00	08/27/2002 21:48	
MTBE	ND	0.0050	mg/Kg	1.00	08/27/2002 21:48	
Surrogates(s)						
Trifluorotoluene	90.6	53-125	%	1.00	08/27/2002 21:48	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8021B
Sample ID: PS-1-S-20 Lab ID: 2002-08-0481 - 8
Sampled: 08/23/2002 08:15 Extracted: 8/27/2002 22:19
Matrix: Soil QC Batch#: 2002/08/27-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/27/2002 22:19	
Toluene	ND	0.0050	mg/Kg	1.00	08/27/2002 22:19	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/27/2002 22:19	
Xylene(s)	ND	0.0050	mg/Kg	1.00	08/27/2002 22:19	
MTBE	ND	0.0050	mg/Kg	1.00	08/27/2002 22:19	
Surrogates(s)						
Trifluorotoluene	100.9	53-125	%	1.00	08/27/2002 22:19	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5030 Test(s): 8021B
Sample ID: PS-1-GW Lab ID: 2002-08-0481 - 9
Sampled: 08/23/2002 08:20 Extracted: 8/26/2002 11:50
Matrix: Water QC Batch#: 2002/08/26-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.50	ug/L	1.00	08/26/2002 11:50	
Toluene	ND	0.50	ug/L	1.00	08/26/2002 11:50	
Ethyl benzene	ND	0.50	ug/L	1.00	08/26/2002 11:50	
Xylene(s)	ND	0.50	ug/L	1.00	08/26/2002 11:50	
MTBE	ND	5.0	ug/L	1.00	08/26/2002 11:50	mtbe
Surrogates(s)						
Trifluorotoluene	92.6	58-124	%	1.00	08/26/2002 11:50	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8021B
Sample ID: PS-2-S-5 Lab ID: 2002-08-0481 - 10
Sampled: 08/23/2002 13:00 Extracted: 8/27/2002 22:50
Matrix: Soil QC Batch#: 2002/08/27-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/27/2002 22:50	
Toluene	ND	0.0050	mg/Kg	1.00	08/27/2002 22:50	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/27/2002 22:50	
Xylene(s)	ND	0.0050	mg/Kg	1.00	08/27/2002 22:50	
MTBE	ND	0.0050	mg/Kg	1.00	08/27/2002 22:50	
Surrogates(s)						
Trifluorotoluene	102.0	53-125	%	1.00	08/27/2002 22:50	

Submission #: 2002-08-0481

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8021B
Sample ID: PS-2-S-15 Lab ID: 2002-08-0481 - 12
Sampled: 08/23/2002 13:15 Extracted: 8/26/2002 19:18
Matrix: Soil QC Batch#: 2002/08/26-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/26/2002 19:18	
Toluene	ND	0.0050	mg/Kg	1.00	08/26/2002 19:18	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/26/2002 19:18	
Xylene(s)	ND	0.0050	mg/Kg	1.00	08/26/2002 19:18	
MTBE	ND	0.0050	mg/Kg	1.00	08/26/2002 19:18	
Surrogates(s)						
Trifluorotoluene	91.3	53-125	%	1.00	08/26/2002 19:18	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8021B
Sample ID: PS-2-S-20 Lab ID: 2002-08-0481 - 13
Sampled: 08/23/2002 13:40 Extracted: 8/26/2002 20:52
Matrix: Soil QC Batch#: 2002/08/26-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/26/2002 20:52	
Toluene	ND	0.0050	mg/Kg	1.00	08/26/2002 20:52	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/26/2002 20:52	
Xylene(s)	ND	0.0050	mg/Kg	1.00	08/26/2002 20:52	
MTBE	ND	0.0050	mg/Kg	1.00	08/26/2002 20:52	
Surrogates(s)						
Trifluorotoluene	89.2	53-125	%	1.00	08/26/2002 20:52	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5030 Test(s): 8021B
Sample ID: PS-2-GW Lab ID: 2002-08-0481 - 14
Sampled: 08/23/2002 13:45 Extracted: 8/26/2002 12:22
Matrix: Water QC Batch#: 2002/08/26-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.50	ug/L	1.00	08/26/2002 12:22	
Toluene	ND	0.50	ug/L	1.00	08/26/2002 12:22	
Ethyl benzene	ND	0.50	ug/L	1.00	08/26/2002 12:22	
Xylene(s)	ND	0.50	ug/L	1.00	08/26/2002 12:22	
MTBE	ND	5.0	ug/L	1.00	08/26/2002 12:22	mtbe
Surrogates(s)						
Trifluorotoluene	99.5	58-124	%	1.00	08/26/2002 12:22	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8021B
Sample ID: PS-3-S-5 Lab ID: 2002-08-0481 - 15
Sampled: 08/23/2002 11:20 Extracted: 8/26/2002 21:23
Matrix: Soil QC Batch#: 2002/08/26-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/26/2002 21:23	
Toluene	ND	0.0050	mg/Kg	1.00	08/26/2002 21:23	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/26/2002 21:23	
Xylene(s)	ND	0.0050	mg/Kg	1.00	08/26/2002 21:23	
MTBE	ND	0.0050	mg/Kg	1.00	08/26/2002 21:23	
Surrogates(s)						
Trifluorotoluene	92.7	53-125	%	1.00	08/26/2002 21:23	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8021B
Sample ID: PS-3-S-10 Lab ID: 2002-08-0481 - 16
Sampled: 08/23/2002 11:25 Extracted: 8/26/2002 21:54
Matrix: Soil QC Batch#: 2002/08/26-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/26/2002 21:54	
Toluene	ND	0.0050	mg/Kg	1.00	08/26/2002 21:54	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/26/2002 21:54	
Xylene(s)	ND	0.0050	mg/Kg	1.00	08/26/2002 21:54	
MTBE	ND	0.0050	mg/Kg	1.00	08/26/2002 21:54	
Surrogates(s)						
Trifluorotoluene	81.7	53-125	%	1.00	08/26/2002 21:54	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8021B
Sample ID: PS-3-S-15 Lab ID: 2002-08-0481 - 17
Sampled: 08/23/2002 11:30 Extracted: 8/30/2002 05:03
Matrix: Soil QC Batch#: 2002/08/29-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/30/2002 05:03	
Toluene	ND	0.0050	mg/Kg	1.00	08/30/2002 05:03	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/30/2002 05:03	
Xylene(s)	ND	0.0050	mg/Kg	1.00	08/30/2002 05:03	
MTBE	ND	0.0050	mg/Kg	1.00	08/30/2002 05:03	
Surrogates(s)						
Trifluorotoluene	100.2	53-125	%	1.00	08/30/2002 05:03	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8021B
Sample ID: PS-3-S-20 Lab ID: 2002-08-0481 - 18
Sampled: 08/23/2002 11:50 Extracted: 8/26/2002 22:25
Matrix: Soil QC Batch#: 2002/08/26-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/26/2002 22:25	
Toluene	ND	0.0050	mg/Kg	1.00	08/26/2002 22:25	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/26/2002 22:25	
Xylene(s)	ND	0.0050	mg/Kg	1.00	08/26/2002 22:25	
MTBE	ND	0.0050	mg/Kg	1.00	08/26/2002 22:25	
Surrogates(s)						
Trifluorotoluene	92.2	53-125	%	1.00	08/26/2002 22:25	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5030 Test(s): 8021B
Sample ID: PS-3-GW Lab ID: 2002-08-0481 - 19
Sampled: 08/23/2002 12:30 Extracted: 8/26/2002 12:55
Matrix: Water QC Batch#: 2002/08/26-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.50	ug/L	1.00	08/26/2002 12:55	
Toluene	ND	0.50	ug/L	1.00	08/26/2002 12:55	
Ethyl benzene	ND	0.50	ug/L	1.00	08/26/2002 12:55	
Xylene(s)	ND	0.50	ug/L	1.00	08/26/2002 12:55	
MTBE	ND	5.0	ug/L	1.00	08/26/2002 12:55	
Surrogates(s)						
Trifluorotoluene	100.9	58-124	%	1.00	08/26/2002 12:55	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8021B
Sample ID: PS-4-S-5 Lab ID: 2002-08-0481 - 20
Sampled: 08/22/2002 15:30 Extracted: 8/28/2002 01:24
Matrix: Soil QC Batch#: 2002/08/27-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/28/2002 01:24	
Toluene	ND	0.0050	mg/Kg	1.00	08/28/2002 01:24	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/28/2002 01:24	
Xylene(s)	ND	0.0050	mg/Kg	1.00	08/28/2002 01:24	
MTBE	ND	0.0050	mg/Kg	1.00	08/28/2002 01:24	
Surrogates(s)						
Trifluorotoluene	97.8	53-125	%	1.00	08/28/2002 01:24	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8021B
Sample ID: PS-4-S-10 Lab ID: 2002-08-0481 - 21
Sampled: 08/22/2002 15:40 Extracted: 8/26/2002 23:26
Matrix: Soil QC Batch#: 2002/08/26-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/26/2002 23:26	
Toluene	ND	0.0050	mg/Kg	1.00	08/26/2002 23:26	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/26/2002 23:26	
Xylene(s)	ND	0.0050	mg/Kg	1.00	08/26/2002 23:26	
MTBE	ND	0.0050	mg/Kg	1.00	08/26/2002 23:26	
Surrogates(s)						
Trifluorotoluene	92.1	53-125	%	1.00	08/26/2002 23:26	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

Weiss Associates

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8021B
Sample ID: PS-4-S-15 Lab ID: 2002-08-0481 - 22
Sampled: 08/23/2002 09:10 Extracted: 8/26/2002 23:57
Matrix: Soil QC Batch#: 2002/08/26-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/26/2002 23:57	
Toluene	ND	0.0050	mg/Kg	1.00	08/26/2002 23:57	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/26/2002 23:57	
Xylene(s)	ND	0.0050	mg/Kg	1.00	08/26/2002 23:57	
MTBE	ND	0.0050	mg/Kg	1.00	08/26/2002 23:57	
Surrogates(s)						
Trifluorotoluene	85.9	53-125	%	1.00	08/26/2002 23:57	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8021B
Sample ID: PS-5-S-5 Lab ID: 2002-08-0481 - 25
Sampled: 08/23/2002 10:25 Extracted: 8/27/2002 06:37
Matrix: Soil QC Batch#: 2002/08/26-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/27/2002 06:37	
Toluene	ND	0.0050	mg/Kg	1.00	08/27/2002 06:37	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/27/2002 06:37	
Xylene(s)	ND	0.0050	mg/Kg	1.00	08/27/2002 06:37	
MTBE	ND	0.0050	mg/Kg	1.00	08/27/2002 06:37	
Surrogates(s)						
Trifluorotoluene	93.2	53-125	%	1.00	08/27/2002 06:37	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8021B
Sample ID: PS-5-S-10 Lab ID: 2002-08-0481 - 26
Sampled: 08/23/2002 10:30 Extracted: 8/28/2002 01:55
Matrix: Soil QC Batch#: 2002/08/27-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/28/2002 01:55	
Toluene	ND	0.0050	mg/Kg	1.00	08/28/2002 01:55	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/28/2002 01:55	
Xylene(s)	ND	0.0050	mg/Kg	1.00	08/28/2002 01:55	
MTBE	ND	0.0050	mg/Kg	1.00	08/28/2002 01:55	
Surrogates(s)						
Trifluorotoluene	95.4	53-125	%	1.00	08/28/2002 01:55	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8021B
Sample ID: PS-5-S-15 Lab ID: 2002-08-0481 - 27
Sampled: 08/23/2002 10:35 Extracted: 8/28/2002 02:26
Matrix: Soil QC Batch#: 2002/08/27-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/28/2002 02:26	
Toluene	ND	0.0050	mg/Kg	1.00	08/28/2002 02:26	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/28/2002 02:26	
Xylene(s)	ND	0.0050	mg/Kg	1.00	08/28/2002 02:26	
MTBE	ND	0.0050	mg/Kg	1.00	08/28/2002 02:26	
Surrogates(s)						
Trifluorotoluene	99.0	53-125	%	1.00	08/28/2002 02:26	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8021B
Sample ID: PS-5-S-20 Lab ID: 2002-08-0481 - 28
Sampled: 08/23/2002 10:40 Extracted: 8/28/2002 03:58
Matrix: Soil QC Batch#: 2002/08/27-01.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	08/28/2002 03:58	
Toluene	ND	0.0050	mg/Kg	1.00	08/28/2002 03:58	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/28/2002 03:58	
Xylene(s)	ND	0.0050	mg/Kg	1.00	08/28/2002 03:58	
MTBE	ND	0.0050	mg/Kg	1.00	08/28/2002 03:58	
Surrogates(s)						
Trifluorotoluene	94.3	53-125	%	1.00	08/28/2002 03:58	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5030 Test(s): 8021B
Sample ID: PS-5-GW Lab ID: 2002-08-0481 - 29
Sampled: 08/23/2002 11:00 Extracted: 8/26/2002 13:59
Matrix: Water QC Batch#: 2002/08/26-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.50	ug/L	1.00	08/26/2002 13:59	
Toluene	ND	0.50	ug/L	1.00	08/26/2002 13:59	
Ethyl benzene	ND	0.50	ug/L	1.00	08/26/2002 13:59	
Xylene(s)	ND	0.50	ug/L	1.00	08/26/2002 13:59	
MTBE	ND	5.0	ug/L	1.00	08/26/2002 13:59	
Surrogates(s)						
Trifluorotoluene	94.3	58-124	%	1.00	08/26/2002 13:59	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5030	Test(s): 8021B
Sample ID: PS-TB	Lab ID: 2002-08-0481 - 30
Sampled: 08/23/2002 13:20	Extracted: 8/26/2002 10:46
Matrix: Water	QC Batch#: 2002/08/26-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	0.50	ug/L	1.00	08/26/2002 10:46	
Toluene	ND	0.50	ug/L	1.00	08/26/2002 10:46	
Ethyl benzene	ND	0.50	ug/L	1.00	08/26/2002 10:46	
Xylene(s)	ND	0.50	ug/L	1.00	08/26/2002 10:46	
Surrogates(s)						
Trifluorotoluene	101.8	58-124	%	1.00	08/26/2002 10:46	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2002/08/26-01.03-015

Soil

Test(s): 8015M

QC Batch # 2002/08/26-01.03

Date Extracted: 08/26/2002 16:41

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	08/26/2002 16:41	
Benzene	ND	0.0050	mg/Kg	08/26/2002 16:41	
Toluene	ND	0.0050	mg/Kg	08/26/2002 16:41	
Ethyl benzene	ND	0.0050	mg/Kg	08/26/2002 16:41	
Xylene(s)	ND	0.0050	mg/Kg	08/26/2002 16:41	
MTBE	ND	0.0050	mg/Kg	08/26/2002 16:41	
Surrogates(s)					
Trifluorotoluene	109.4	53-125	%	08/26/2002 16:41	
4-Bromofluorobenzene-FID	89.0	58-124	%	08/26/2002 16:41	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030

Method Blank

MB: 2002/08/26-01.05-003

Water

Test(s): 8015M

QC Batch # 2002/08/26-01.05

Date Extracted: 08/26/2002 08:05

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/26/2002 08:05	
Benzene	ND	0.5	ug/L	08/26/2002 08:05	
Toluene	ND	0.5	ug/L	08/26/2002 08:05	
Ethyl benzene	ND	0.5	ug/L	08/26/2002 08:05	
Xylene(s)	ND	0.5	ug/L	08/26/2002 08:05	
MTBE	ND	5.0	ug/L	08/26/2002 08:05	
Surrogates(s)					
Trifluorotoluene	96.0	58-124	%	08/26/2002 08:05	
4-Bromofluorobenzene-FID	84.2	50-150	%	08/26/2002 08:05	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2002/08/27-01.03-014

Soil

Test(s): 8015M

QC Batch # 2002/08/27-01.03

Date Extracted: 08/27/2002 17:06

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	08/27/2002 17:06	
Benzene	ND	0.0050	mg/Kg	08/27/2002 17:06	
Toluene	ND	0.0050	mg/Kg	08/27/2002 17:06	
Ethyl benzene	ND	0.0050	mg/Kg	08/27/2002 17:06	
Xylene(s)	ND	0.0050	mg/Kg	08/27/2002 17:06	
MTBE	ND	0.0050	mg/Kg	08/27/2002 17:06	
Surrogates(s)					
Trifluorotoluene	116.0	53-125	%	08/27/2002 17:06	
4-Bromofluorobenzene-FID	80.9	58-124	%	08/27/2002 17:06	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2002/08/29-01.03-013

Soil

Test(s): 8015M

QC Batch # 2002/08/29-01.03

Date Extracted: 08/29/2002 13:44

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	08/29/2002 13:44	
Benzene	ND	0.0050	mg/Kg	08/29/2002 13:44	
Toluene	ND	0.0050	mg/Kg	08/29/2002 13:44	
Ethyl benzene	ND	0.0050	mg/Kg	08/29/2002 13:44	
Xylene(s)	ND	0.0050	mg/Kg	08/29/2002 13:44	
MTBE	ND	0.0050	mg/Kg	08/29/2002 13:44	
Surrogates(s)					
Trifluorotoluene	104.9	53-125	%	08/29/2002 13:44	
4-Bromofluorobenzene-FID	103.2	58-124	%	08/29/2002 13:44	

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Test(s): 8021B

Laboratory Control Spike

Soil

QC Batch # 2002/08/26-01.03

LCS 2002/08/26-01.03-016

Extracted: 08/26/2002

Analyzed: 08/26/2002 17:12

LCSD 2002/08/26-01.03-017

Extracted: 08/26/2002

Analyzed: 08/26/2002 17:44

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Benzene	0.109	0.102	0.1000	109.0	102.0	6.6	77-123	35			
Toluene	0.106	0.101	0.1000	106.0	101.0	4.8	78-122	35			
Ethyl benzene	0.104	0.101	0.1000	104.0	101.0	2.9	70-130	35			
Xylene(s)	0.306	0.296	0.300	102.0	98.7	3.3	75-125	35			
Surrogates(s)											
Trifluorotoluene	548	495	500	109.6	99.0		53-125	0			

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/08/26-01.03

LCS 2002/08/26-01.03-018

Extracted: 08/26/2002

Analyzed: 08/26/2002 18:15

LCSD 2002/08/26-01.03-019

Extracted: 08/26/2002

Analyzed: 08/26/2002 18:47

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD %	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Gasoline	0.442	0.434	0.500	88.4	86.8	1.8	75-125	35		
Surrogates(s)										
4-Bromofluorobenzene-FID	400	391	500	80.0	78.2		58-124			

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike

Water

QC Batch # 2002/08/26-01.05

LCS 2002/08/26-01.05-004

Extracted: 08/26/2002

Analyzed: 08/26/2002 08:37

LCSD 2002/08/26-01.05-005

Extracted: 08/26/2002

Analyzed: 08/26/2002 09:09

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	87.9	89.4	100.0	87.9	89.4	1.7	77-123	20		
Toluene	88.8	89.6	100.0	88.8	89.6	0.9	78-122	20		
Ethyl benzene	89.6	89.9	100.0	89.6	89.9	0.3	70-130	20		
Xylene(s)	261	260	300	87.0	86.7	0.3	75-125	20		
Surrogates(s)										
Trifluorotoluene	469	474	500	93.8	94.8		58-124			

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2002/08/26-01.05

LCS 2002/08/26-01.05-006

Extracted: 08/26/2002

Analyzed: 08/26/2002 09:41

LCSD 2002/08/26-01.05-007

Extracted: 08/26/2002

Analyzed: 08/26/2002 10:13

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Gasoline	471	476	500	94.2	95.2	1.1	75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	426	439	500	85.2	87.8		50-150			

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Test(s): 8021B

Laboratory Control Spike

Soil

QC Batch # 2002/08/27-01.03

LCS 2002/08/27-01.03-015

Extracted: 08/27/2002

Analyzed: 08/27/2002 17:38

LCSD 2002/08/27-01.03-016

Extracted: 08/27/2002

Analyzed: 08/27/2002 18:09

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Benzene	0.106	0.0989	0.1000	106.0	98.9	6.9	77-123	35			
Toluene	0.105	0.0977	0.1000	105.0	97.7	7.2	78-122	35			
Ethyl benzene	0.104	0.0980	0.1000	104.0	98.0	5.9	70-130	35			
Xylene(s)	0.305	0.290	0.300	101.7	96.7	5.0	75-125	35			
Surrogates(s)											
Trifluorotoluene	560	522	500	112.0	104.4		53-125				

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

Weiss Associates

Attn.: Melissa Tumbleson
5801 Christie Avenue, Suite 600
Emeryville, CA 94608-1827
Phone: (510) 450-6124 Fax: (510) 547-5043

Project: 268-1573
Sunol Maintenance Yard & Pump Station

Received: 08/23/2002 16:50

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/08/27-01.03

LCS 2002/08/27-01.03-017

Extracted: 08/27/2002

Analyzed: 08/27/2002 18:41

LCSD 2002/08/27-01.03-018

Extracted: 08/27/2002

Analyzed: 08/27/2002 19:12

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Gasoline	0.462	0.488	0.500	92.4	97.6	5.5	75-125	35		
Surrogates(s)										
4-Bromofluorobenzene-FID	420	413	500	84.0	82.6		58-124			

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Test(s): 8021B

Laboratory Control Spike

Soil

QC Batch # 2002/08/29-01.03

LCS 2002/08/29-01.03-014

Extracted: 08/29/2002

Analyzed: 08/29/2002 14:15

LCSD 2002/08/29-01.03-015

Extracted: 08/29/2002

Analyzed: 08/29/2002 14:46

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	0.103	0.0999	0.1000	103.0	99.9	3.1	77-123	35		
Toluene	0.100	0.0989	0.1000	100.0	98.9	1.1	78-122	35		
Ethyl benzene	0.0990	0.0990	0.1000	99.0	99.0	0.0	70-130	35		
Xylene(s)	0.291	0.289	0.300	97.0	96.3	0.7	75-125	35		
Surrogates(s)										
Trifluorotoluene	519	501	500	103.8	100.2		53-125			

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/08/29-01.03

LCS 2002/08/29-01.03-018

Extracted: 08/29/2002

Analyzed: 08/29/2002 16:41

LCSD 2002/08/29-01.03-019

Extracted: 08/29/2002

Analyzed: 08/29/2002 17:13

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Gasoline	0.459	0.455	0.500	91.8	91.0	0.9	75-125	35		
Surrogates(s) 4-Bromofluorobenzene-FID	378	377	500	75.6	75.4		58-124			

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Test(s): 8021B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2002/08/27-01.03

MY-4-S-15 >> MS

Lab ID: 2002-08-0481 - 001

MS: 2002/08/27-01.03-026

Extracted: 08/27/2002

Analyzed: 08/27/2002 23:20

Dilution: 1.00

MSD: 2002/08/27-01.03-027

Extracted: 08/27/2002

Analyzed: 08/27/2002 23:51

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	0.100	0.0942	ND	0.0986	101.4	94.8	6.7	65-135	35		
Toluene	0.0971	0.0912	ND	0.0986	98.5	91.8	7.0	65-135	35		
Ethyl benzene	0.0916	0.0869	ND	0.0986	92.9	87.4	6.1	65-135	35		
Xylene(s)	0.266	0.255	ND	0.300	88.7	85.6	3.6	65-135	35		
Surrogate(s) Trifluorotoluene	518	479		500	103.6	95.8		53-125			

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Test(s): 8015M

Matrix Spike (MS / MSD)

Soil

QC Batch # 2002/08/27-01.03

MY-4-S-15 >> MS

Lab ID: 2002-08-0481 - 001

MS: 2002/08/27-01.03-028

Extracted: 08/28/2002

Analyzed: 08/28/2002 00:22

Dilution: 1.00

MSD: 2002/08/27-01.03-029

Extracted: 08/28/2002

Analyzed: 08/28/2002 00:53

Dilution: 1.00

Compound	Conc. mg/Kg			Spk. Level mg/Kg	Recovery			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Gasoline	0.393	0.372	ND	0.483	81.4	76.1	6.7	65-135	35		
Surrogate(s) 4-Bromofluorobenzene-FID	310			500	61.9			58-124			

Submission #: 2002-08-0481

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Legend and Notes

Result Flag

mtbe

MTBE analyzed by GC/MS 8260

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MY-1-GW	08/22/2002 16:15	Water	5
MY-2-GW	08/22/2002 08:40	Water	10
MY-3-GW	08/22/2002 13:50	Water	15

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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Project: 268-1573

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CA DHS ELAP# 2496

Prep(s): 5030 Test(s): 8015M
Sample ID: MY-1-GW Lab ID: 2002-08-0470 - 5
Sampled: 08/22/2002 16:15 Extracted: 8/23/2002 11:33
Matrix: Water QC Batch#: 2002/08/23-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/23/2002 11:33	
Surrogates(s) 4-Bromofluorobenzene-FID	114.7	50-150	%	1.00	08/23/2002 11:33	

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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Project: 268-1573

Received: 08/22/2002 17:15



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CA DHS ELAP# 2496

Prep(s): 5030 Test(s): 8015M
Sample ID: MY-2-GW Lab ID: 2002-08-0470 - 10
Sampled: 08/22/2002 08:40 Extracted: 8/23/2002 11:58
Matrix: Water QC Batch#: 2002/08/23-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/23/2002 11:58	
<i>Surrogates(s)</i> 4-Bromofluorobenzene-FID	106.5	50-150	%	1.00	08/23/2002 11:58	

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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Project: 268-1573

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CA DHS ELAP# 2496

Prep(s): 5030 Test(s): 8015M
Sample ID: MY-3-GW Lab ID: 2002-08-0470 - 15
Sampled: 08/22/2002 13:50 Extracted: 8/23/2002 12:24
Matrix: Water QC Batch#: 2002/08/23-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/23/2002 12:24	
Surrogates(s)						
4-Bromofluorobenzene-FID	100.8	50-150	%	1.00	08/23/2002 12:24	

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030

Method Blank

MB: 2002/08/23-01.04-004

Water

Test(s): 8015M

QC Batch # 2002/08/23-01.04

Date Extracted: 08/23/2002 08:58

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/23/2002 08:58	
Surrogates(s)					
4-Bromofluorobenzene-FID	101.2	50-150	%	08/23/2002 08:58	

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2002/08/23-01.04

LCS 2002/08/23-01.04-007

Extracted: 08/23/2002

Analyzed: 08/23/2002 10:15

LCSD 2002/08/23-01.04-008

Extracted: 08/23/2002

Analyzed: 08/23/2002 10:40

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Gasoline	514	490	500	102.8	98.0	4.8	75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	490	478	500	98.0	95.6		50-150			

Submission #: 2002-08-0470

Gas/BTEX Compounds by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Matrix Spike (MS / MSD)

Water

QC Batch # 2002/08/23-01.04

MY-3-GW >> MS

Lab ID: 2002-08-0470 - 015

MS: 2002/08/23-01.04-014

Extracted: 08/23/2002

Analyzed: 08/23/2002 15:36

Dilution: 1.00

MSD: 2002/08/23-01.04-015

Extracted: 08/23/2002

Analyzed: 08/23/2002 16:02

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Gasoline	572	580	ND	500	114.4	116.0	1.4	65-135	20		
<i>Surrogate(s)</i> 4-Bromofluorobenzene-FID	485	432		500	97.0	86.5		50-150			

Submission #: 2002-08-0470

Diesel

Weiss Associates

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Project: 268-1573

Received: 08/22/2002 17:15



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CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MY-1-S-5	08/22/2002 09:20	Soil	1
MY-1-S-10	08/22/2002 09:30	Soil	2
MY-1-S-15	08/22/2002 09:40	Soil	3
MY-1-S-20	08/22/2002 11:05	Soil	4
MY-1-GW	08/22/2002 16:15	Water	5
MY-2-S-5	08/22/2002 08:00	Soil	6
MY-2-S-10	08/22/2002 08:05	Soil	7
MY-2-S-15	08/22/2002 08:10	Soil	8
MY-2-S-20	08/22/2002 08:15	Soil	9
MY-2-GW	08/22/2002 08:40	Water	10
MY-3-S-5	08/22/2002 13:05	Soil	11
MY-3-S-10	08/22/2002 13:10	Soil	12
MY-3-S-15	08/22/2002 13:20	Soil	13
MY-3-S-20	08/22/2002 13:30	Soil	14
MY-3-GW	08/22/2002 13:50	Water	15
MY-4-S-5	08/22/2002 11:45	Soil	16
MY-4-S-10	08/22/2002 11:50	Soil	17

Submission #: 2002-08-0470

Diesel

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Project: 268-1573

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: MY-1-S-5 Lab ID: 2002-08-0470 - 1
Sampled: 08/22/2002 09:20 Extracted: 8/23/2002 11:42
Matrix: Soil QC Batch#: 2002/08/23-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.3	1.0	mg/Kg	1.00	08/23/2002 20:44	ndp
<i>Surrogates(s)</i> o-Terphenyl	86.6	60-130	%	1.00	08/23/2002 20:44	

Submission #: 2002-08-0470

Diesel

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Project: 268-1573

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: MY-1-S-10 Lab ID: 2002-08-0470 - 2
Sampled: 08/22/2002 09:30 Extracted: 8/23/2002 11:42
Matrix: Soil QC Batch#: 2002/08/23-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	3.1	1.0	mg/Kg	1.00	08/23/2002 22:35	ndp
<i>Surrogates(s)</i> o-Terphenyl	95.8	60-130	%	1.00	08/23/2002 22:35	

Submission #: 2002-08-0470

Diesel

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Project: 268-1573

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: **MY-1-S-15** Lab ID: 2002-08-0470 - 3
Sampled: 08/22/2002 09:40 Extracted: 8/23/2002 11:42
Matrix: Soil QC Batch#: 2002/08/23-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2.1	1.0	mg/Kg	1.00	08/23/2002 20:44	ndp
Surrogates(s)						
o-Terphenyl	90.3	60-130	%	1.00	08/23/2002 20:44	

Submission #: 2002-08-0470

Diesel

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: **MY-1-S-20** Lab ID: 2002-08-0470 - 4
Sampled: 08/22/2002 11:05 Extracted: 8/23/2002 11:42
Matrix: Soil QC Batch#: 2002/08/23-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/23/2002 21:21	
Surrogates(s) o-Terphenyl	86.0	60-130	%	1.00	08/23/2002 21:21	

Submission #: 2002-08-0470

Diesel

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CA DHS ELAP# 2496

Prep(s): 3510/8015M Test(s): 8015M
Sample ID: **MY-1-GW** Lab ID: 2002-08-0470 - 5
Sampled: 08/22/2002 16:15 Extracted: 8/23/2002 05:06
Matrix: Water QC Batch#: 2002/08/23-01.10
Analysis Flag: rl (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	96	ug/L	1.92	08/26/2002 07:05	
Surrogates(s) o-Terphenyl	68.2	60-130	%	1.92	08/26/2002 07:05	

Submission #: 2002-08-0470

Diesel

Weiss Associates

Attn.: Melissa Tumbleson
5801 Christie Avenue, Suite 600
Emeryville, CA 94608-1827
Phone: (510) 450-6124 Fax: (510) 547-5043

Project: 268-1573

Received: 08/22/2002 17:15

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LABORATORY

STL San Francisco
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Pleasanton, CA 94566

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: MY-2-S-5 Lab ID: 2002-08-0470 - 6
Sampled: 08/22/2002 08:00 Extracted: 8/23/2002 11:42
Matrix: Soil QC Batch#: 2002/08/23-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	3.0	1.0	mg/Kg	1.00	08/26/2002 05:57	ndp
<i>Surrogates(s)</i> o-Terphenyl	85.5	60-130	%	1.00	08/26/2002 05:57	

Submission #: 2002-08-0470

Diesel

Weiss Associates

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CA DHS ELAP# 2496

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: MY-2-S-10	Lab ID: 2002-08-0470 - 7
Sampled: 08/22/2002 08:05	Extracted: 8/23/2002 11:42
Matrix: Soil	QC Batch#: 2002/08/23-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2.5	1.0	mg/Kg	1.00	08/23/2002 22:35	ndp
Surrogates(s)						
o-Terphenyl	84.0	60-130	%	1.00	08/23/2002 22:35	

Submission #: 2002-08-0470

Diesel

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: MY-2-S-15 Lab ID: 2002-08-0470 - 8
Sampled: 08/22/2002 08:10 Extracted: 8/23/2002 11:42
Matrix: Soil QC Batch#: 2002/08/23-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.4	1.0	mg/Kg	1.00	08/23/2002 16:13	ndp
<i>Surrogates(s)</i> o-Terphenyl	81.0	60-130	%	1.00	08/23/2002 16:13	

Submission #: 2002-08-0470

Diesel

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: MY-2-S-20 Lab ID: 2002-08-0470 - 9
Sampled: 08/22/2002 08:15 Extracted: 8/23/2002 11:42
Matrix: Soil QC Batch#: 2002/08/23-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/23/2002 16:51	
<i>Surrogates(s)</i>						
o-Terphenyl	79.9	60-130	%	1.00	08/23/2002 16:51	

Submission #: 2002-08-0470

Diesel

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Project: 268-1573

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CA DHS ELAP# 2496

Prep(s): 3510/8015M Test(s): 8015M
Sample ID: **MY-2-GW** Lab ID: 2002-08-0470 - 10
Sampled: 08/22/2002 08:40 Extracted: 8/23/2002 05:06
Matrix: Water QC Batch#: 2002/08/23-01.10
Analysis Flag: rl (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	74	ug/L	1.47	08/26/2002 07:42	
Surrogates(s) o-Terphenyl	76.5	60-130	%	1.47	08/26/2002 07:42	

Submission #: 2002-08-0470

Diesel

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Project: 268-1573

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: MY-3-S-5 Lab ID: 2002-08-0470 - 11
Sampled: 08/22/2002 13:05 Extracted: 8/23/2002 11:42
Matrix: Soil QC Batch#: 2002/08/23-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/23/2002 17:29	
Surrogates(s)						
o-Terphenyl	72.5	60-130	%	1.00	08/23/2002 17:29	

Submission #: 2002-08-0470

Diesel

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: MY-3-S-10 Lab ID: 2002-08-0470 - 12
Sampled: 08/22/2002 13:10 Extracted: 8/23/2002 11:42
Matrix: Soil QC Batch#: 2002/08/23-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/23/2002 18:07	
<i>Surrogates(s)</i> o-Terphenyl	87.0	60-130	%	1.00	08/23/2002 18:07	

Submission #: 2002-08-0470

Diesel

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CA DHS ELAP# 2496

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: MY-3-S-15	Lab ID: 2002-08-0470 - 13
Sampled: 08/22/2002 13:20	Extracted: 8/23/2002 11:42
Matrix: Soil	QC Batch#: 2002/08/23-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/23/2002 18:45	
<i>Surrogates(s)</i>						
o-Terphenyl	83.3	60-130	%	1.00	08/23/2002 18:45	

Submission #: 2002-08-0470

Diesel

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Project: 268-1573

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: MY-3-S-20 Lab ID: 2002-08-0470 - 14
Sampled: 08/22/2002 13:30 Extracted: 8/23/2002 11:42
Matrix: Soil QC Batch#: 2002/08/23-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.4	1.0	mg/Kg	1.00	08/23/2002 19:23	ndp
<i>Surrogates(s)</i> o-Terphenyl	80.3	60-130	%	1.00	08/23/2002 19:23	

Submission #: 2002-08-0470

Diesel

Weiss Associates

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Project: 268-1573

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CA DHS ELAP# 2496

Prep(s): 3510/8015M Test(s): 8015M
Sample ID: MY-3-GW Lab ID: 2002-08-0470 - 15
Sampled: 08/22/2002 13:50 Extracted: 8/23/2002 05:06
Matrix: Water QC Batch#: 2002/08/23-01.10
Analysis Flag: rl (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	68	ug/L	1.35	08/26/2002 07:42	
Surrogates(s) o-Terphenyl	80.5	60-130	%	1.35	08/26/2002 07:42	

Submission #: 2002-08-0470

Diesel

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: MY-4-S-5 Lab ID: 2002-08-0470 - 16
Sampled: 08/22/2002 11:45 Extracted: 8/23/2002 11:42
Matrix: Soil QC Batch#: 2002/08/23-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/23/2002 20:01	
<i>Surrogates(s)</i> o-Terphenyl	82.2	60-130	%	1.00	08/23/2002 20:01	

Submission #: 2002-08-0470

Diesel

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Project: 268-1573

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CA DHS ELAP# 2496

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: MY-4-S-10	Lab ID: 2002-08-0470 - 17
Sampled: 08/22/2002 11:50	Extracted: 8/23/2002 11:42
Matrix: Soil	QC Batch#: 2002/08/23-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/23/2002 20:39	
Surrogates(s)						
o-Terphenyl	83.1	60-130	%	1.00	08/23/2002 20:39	

Submission #: 2002-08-0470

Diesel

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Attn.: Melissa Tumbleson
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Project: 268-1573

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3510/8015M

Method Blank

MB: 2002/08/23-01.10-001

Water

Test(s): 8015M

QC Batch # 2002/08/23-01.10

Date Extracted: 08/23/2002 05:06

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	08/23/2002 12:53	
Surrogates(s) o-Terphenyl	95.6	60-130	%	08/23/2002 12:53	

Submission #: 2002-08-0470

Diesel

Weiss Associates

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Project: 268-1573

Received: 08/22/2002 17:15

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Method Blank

MB: 2002/08/23-05.10-001

Soil

Test(s): 8015M

QC Batch # 2002/08/23-05.10

Date Extracted: 08/23/2002 11:42

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	08/23/2002 17:00	
Surrogates(s) o-Terphenyl	86.8	60-130	%	08/23/2002 17:00	

Submission #: 2002-08-0470

Diesel

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2002/08/23-01.10

LCS 2002/08/23-01.10-002

Extracted: 08/23/2002

Analyzed: 08/23/2002 12:53

LCSD 2002/08/23-01.10-003

Extracted: 08/23/2002

Analyzed: 08/23/2002 13:33

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	879	882	1250	70.3	70.6	0.4	60-130	25		
Surrogates(s) o-Terphenyl	18.8	19.0	20.0	93.8	94.8		60-130	0		

Submission #: 2002-08-0470

Diesel

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/08/23-05.10

LCS 2002/08/23-05.10-002

Extracted: 08/23/2002

Analyzed: 08/23/2002 15:46

LCSD 2002/08/23-05.10-003

Extracted: 08/23/2002

Analyzed: 08/23/2002 16:23

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD %	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Diesel	38.9	38.7	41.7	93.3	92.8	0.5	60-130	25		
<i>Surrogates(s)</i> o-Terphenyl	19.0	18.5	20.0	94.9	92.5		60-130	0		

Submission #: 2002-08-0470

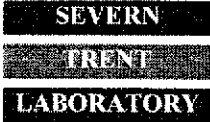
Diesel

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Phone: (510) 450-6124 Fax: (510) 547-5043

Project: 268-1573

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Matrix Spike (MS / MSD)

Soil

QC Batch # 2002/08/23-05.10

MY-1-S-5 >> MS

Lab ID: 2002-08-0470 - 001

MS: 2002/08/23-05.10-004

Extracted: 08/23/2002

Analyzed: 08/23/2002 21:21

Dilution: 1.00

MSD: 2002/08/23-05.10-005

Extracted: 08/23/2002

Analyzed: 08/23/2002 21:58

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	37.7	38.6	1.32	41.6	87.5	89.6	2.4	60-130	25		
<i>Surrogate(s)</i> o-Terphenyl	18.4	19.1		20.0	92.2	95.5		60-130	0		

Submission #: 2002-08-0470

Diesel

Weiss Associates

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Project: 268-1573

Received: 08/22/2002 17:15

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CA DHS ELAP# 2496

Legend and Notes

Analysis Flag

rl

Reporting limits raised due to reduced sample size.

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

Submission #: 2002-08-0481

Diesel

Weiss Associates

Attn.: Melissa Tumbleson
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Project: 268-1573
Sunol Maintenance Yard & Pump Station

Received: 08/23/2002 16:50



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CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MY-4-S-15	08/22/2002 11:55	Soil	1
MY-4-S-20	08/22/2002 12:20	Soil	2
MY-4-GW	08/23/2002 07:30	Water	3
PS-1-S-5	08/22/2002 14:45	Soil	5
PS-1-S-10	08/22/2002 14:50	Soil	6
PS-1-S-15	08/22/2002 15:05	Soil	7
PS-1-S-20	08/23/2002 08:15	Soil	8
PS-2-S-5	08/23/2002 13:00	Soil	10
PS-2-S-10	08/23/2002 13:05	Soil	11
PS-2-S-15	08/23/2002 13:15	Soil	12
PS-2-S-20	08/23/2002 13:40	Soil	13
PS-3-S-5	08/23/2002 11:20	Soil	15
PS-3-S-10	08/23/2002 11:25	Soil	16
PS-3-S-15	08/23/2002 11:30	Soil	17
PS-3-S-20	08/23/2002 11:50	Soil	18
PS-4-S-5	08/22/2002 15:30	Soil	20
PS-4-S-10	08/22/2002 15:40	Soil	21
PS-4-S-15	08/23/2002 09:10	Soil	22
PS-4-S-20	08/23/2002 09:20	Soil	23
PS-5-S-5	08/23/2002 10:25	Soil	25
PS-5-S-10	08/23/2002 10:30	Soil	26
PS-5-S-15	08/23/2002 10:35	Soil	27
PS-5-S-20	08/23/2002 10:40	Soil	28

Submission #: 2002-08-0481

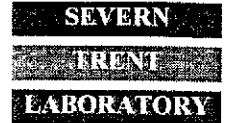
Diesel

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Project: 268-1573
Sunol Maintenance Yard & Pump Station

Received: 08/23/2002 16:50



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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: MY-4-S-15 Lab ID: 2002-08-0481 - 1
Sampled: 08/22/2002 11:55 Extracted: 8/26/2002 10:33
Matrix: Soil QC Batch#: 2002/08/26-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/26/2002 18:37	
Surrogates(s) o-Terphenyl	85.1	60-130	%	1.00	08/26/2002 18:37	

Submission #: 2002-08-0481

Diesel

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Attn.: Melissa Tumbleson
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Project: 268-1573
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CA DHS ELAP# 2496

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: MY-4-S-20	Lab ID: 2002-08-0481 - 2
Sampled: 08/22/2002 12:20	Extracted: 8/26/2002 10:33
Matrix: Soil	QC Batch#: 2002/08/26-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/26/2002 19:14	
<i>Surrogates(s)</i> o-Terphenyl	86.5	60-130	%	1.00	08/26/2002 19:14	

Submission #: 2002-08-0481

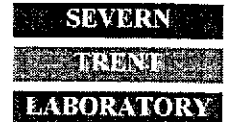
Diesel

Weiss Associates

Attn.: Melissa Tumbleson
5801 Christie Avenue, Suite 600
Emeryville, CA 94608-1827
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CA DHS ELAP# 2496

Prep(s): 3510/8015M Test(s): 8015M
Sample ID: MY-4-GW Lab ID: 2002-08-0481 - 3
Sampled: 08/23/2002 07:30 Extracted: 8/23/2002 05:06
Matrix: Water QC Batch#: 2002/08/23-01.10
Analysis Flag: rl (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	130	96	ug/L	1.92	08/26/2002 09:37	ndp
Surrogates(s) o-Terphenyl	78.0	60-130	%	1.92	08/26/2002 09:37	

Submission #: 2002-08-0481

Diesel

Weiss Associates

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: PS-1-S-10 Lab ID: 2002-08-0481 - 6
Sampled: 08/22/2002 14:50 Extracted: 8/26/2002 10:33
Matrix: Soil QC Batch#: 2002/08/26-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2.3	1.0	mg/Kg	1.00	08/26/2002 19:51	ndp
Surrogates(s) o-Terphenyl	90.9	60-130	%	1.00	08/26/2002 19:51	

Submission #: 2002-08-0481

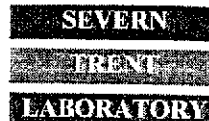
Diesel

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: PS-1-S-15 Lab ID: 2002-08-0481 - 7
Sampled: 08/22/2002 15:05 Extracted: 8/26/2002 10:33
Matrix: Soil QC Batch#: 2002/08/26-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	7.0	1.0	mg/Kg	1.00	08/26/2002 20:59	ndp
<i>Surrogates(s)</i> o-Terphenyl	88.4	60-130	%	1.00	08/26/2002 20:59	

Submission #: 2002-08-0481

Diesel

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: PS-1-S-20 Lab ID: 2002-08-0481 - 8
Sampled: 08/23/2002 08:15 Extracted: 8/26/2002 10:33
Matrix: Soil QC Batch#: 2002/08/26-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/26/2002 20:29	
Surrogates(s) o-Terphenyl	82.7	60-130	%	1.00	08/26/2002 20:29	

Submission #: 2002-08-0481

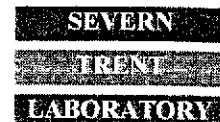
Diesel

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: PS-2-S-5 Lab ID: 2002-08-0481 - 10
Sampled: 08/23/2002 13:00 Extracted: 8/26/2002 10:33
Matrix: Soil QC Batch#: 2002/08/26-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/26/2002 21:06	
<i>Surrogates(s)</i>						
o-Terphenyl	76.3	60-130	%	1.00	08/26/2002 21:06	

Submission #: 2002-08-0481

Diesel

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: **PS-2-S-10** Lab ID: 2002-08-0481 - 11
Sampled: 08/23/2002 13:05 Extracted: 8/26/2002 10:33
Matrix: Soil QC Batch#: 2002/08/26-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/26/2002 21:06	
Surrogates(s)						
o-Terphenyl	82.3	60-130	%	1.00	08/26/2002 21:06	

Submission #: 2002-08-0481

Diesel

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: PS-2-S-15 Lab ID: 2002-08-0481 - 12
Sampled: 08/23/2002 13:15 Extracted: 8/26/2002 10:33
Matrix: Soil QC Batch#: 2002/08/26-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/26/2002 17:22	
<i>Surrogates(s)</i>						
o-Terphenyl	79.6	60-130	%	1.00	08/26/2002 17:22	

Submission #: 2002-08-0481

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: PS-2-S-20 Lab ID: 2002-08-0481 - 13
Sampled: 08/23/2002 13:40 Extracted: 8/26/2002 10:33
Matrix: Soil QC Batch#: 2002/08/26-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.1	1.0	mg/Kg	1.00	08/26/2002 17:59	ndp
Surrogates(s) o-Terphenyl	81.8	60-130	%	1.00	08/26/2002 17:59	

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: PS-3-S-5 Lab ID: 2002-08-0481 - 15
Sampled: 08/23/2002 11:20 Extracted: 8/26/2002 10:33
Matrix: Soil QC Batch#: 2002/08/26-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/26/2002 18:37	
Surrogates(s) o-Terphenyl	77.9	60-130	%	1.00	08/26/2002 18:37	

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: PS-3-S-10 Lab ID: 2002-08-0481 - 16
Sampled: 08/23/2002 11:25 Extracted: 8/26/2002 10:33
Matrix: Soil QC Batch#: 2002/08/26-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.2	1.0	mg/Kg	1.00	08/26/2002 19:14	ndp
Surrogates(s) o-Terphenyl	74.0	60-130	%	1.00	08/26/2002 19:14	

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: PS-3-S-15 Lab ID: 2002-08-0481 - 17
Sampled: 08/23/2002 11:30 Extracted: 8/26/2002 10:33
Matrix: Soil QC Batch#: 2002/08/26-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2.0	1.0	mg/Kg	1.00	08/26/2002 19:51	ndp
Surrogates(s)						
o-Terphenyl	78.4	60-130	%	1.00	08/26/2002 19:51	

Submission #: 2002-08-0481

Diesel

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: PS-3-S-20 Lab ID: 2002-08-0481 - 18
Sampled: 08/23/2002 11:50 Extracted: 8/26/2002 10:33
Matrix: Soil QC Batch#: 2002/08/26-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/26/2002 20:29	
Surrogates(s) o-Terphenyl	79.1	60-130	%	1.00	08/26/2002 20:29	

Submission #: 2002-08-0481

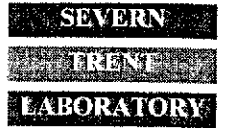
Diesel

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: PS-4-S-5 Lab ID: 2002-08-0481 - 20
Sampled: 08/22/2002 15:30 Extracted: 8/26/2002 10:33
Matrix: Soil QC Batch#: 2002/08/26-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/26/2002 17:11	
Surrogates(s) o-Terphenyl	83.5	60-130	%	1.00	08/26/2002 17:11	

Submission #: 2002-08-0481

Diesel

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: PS-4-S-10 Lab ID: 2002-08-0481 - 21
Sampled: 08/22/2002 15:40 Extracted: 8/26/2002 10:33
Matrix: Soil QC Batch#: 2002/08/26-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	3.8	1.0	mg/Kg	1.00	08/26/2002 17:49	ndp
Surrogates(s) o-Terphenyl	84.5	60-130	%	1.00	08/26/2002 17:49	

Submission #: 2002-08-0481

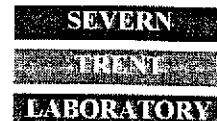
Diesel

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: PS-4-S-15 Lab ID: 2002-08-0481 - 22
Sampled: 08/23/2002 09:10 Extracted: 8/26/2002 10:33
Matrix: Soil QC Batch#: 2002/08/26-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/26/2002 18:27	
<i>Surrogates(s)</i> o-Terphenyl	80.4	60-130	%	1.00	08/26/2002 18:27	

Submission #: 2002-08-0481

Diesel

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: PS-4-S-20 Lab ID: 2002-08-0481 - 23
Sampled: 08/23/2002 09:20 Extracted: 8/26/2002 10:33
Matrix: Soil QC Batch#: 2002/08/26-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/26/2002 19:05	
Surrogates(s) o-Terphenyl	83.2	60-130	%	1.00	08/26/2002 19:05	

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Diesel

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: PS-5-S-5 Lab ID: 2002-08-0481 - 25
Sampled: 08/23/2002 10:25 Extracted: 8/26/2002 10:33
Matrix: Soil QC Batch#: 2002/08/26-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/26/2002 19:43	
Surrogates(s) o-Terphenyl	83.5	60-130	%	1.00	08/26/2002 19:43	

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: PS-5-S-10 Lab ID: 2002-08-0481 - 26
Sampled: 08/23/2002 10:30 Extracted: 8/26/2002 10:33
Matrix: Soil QC Batch#: 2002/08/26-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/26/2002 20:21	
Surrogates(s) o-Terphenyl	79.2	60-130	%	1.00	08/26/2002 20:21	

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Diesel

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: PS-5-S-15 Lab ID: 2002-08-0481 - 27
Sampled: 08/23/2002 10:35 Extracted: 8/26/2002 15:50
Matrix: Soil QC Batch#: 2002/08/26-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.2	1.0	mg/Kg	1.00	08/27/2002 12:57	ndp
<i>Surrogates(s)</i> o-Terphenyl	78.1	60-130	%	1.00	08/27/2002 12:57	

Submission #: 2002-08-0481

Diesel

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	PS-5-S-20	Lab ID:	2002-08-0481 - 28
Sampled:	08/23/2002 10:40	Extracted:	8/26/2002 15:50
Matrix:	Soil	QC Batch#:	2002/08/26-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	08/27/2002 13:35	
Surrogates(s) o-Terphenyl	67.6	60-130	%	1.00	08/27/2002 13:35	

Submission #: 2002-08-0481

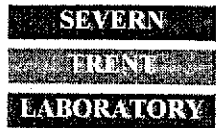
Diesel

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3510/8015M
Method Blank

Water

Test(s): 8015M
QC Batch # 2002/08/23-01.10

MB: 2002/08/23-01.10-001

Date Extracted: 08/23/2002 05:06

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	08/23/2002 12:53	
<i>Surrogates(s)</i> o-Terphenyl	95.6	60-130	%	08/23/2002 12:53	

Submission #: 2002-08-0481

Diesel

Weiss Associates

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Project: 268-1573
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Received: 08/23/2002 16:50



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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Method Blank

MB: 2002/08/26-02.10-001

Soil

Test(s): 8015M

QC Batch # 2002/08/26-02.10

Date Extracted: 08/26/2002 10:33

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	08/26/2002 16:33	
<i>Surrogates(s)</i> o-Terphenyl	75.2	60-130	%	08/26/2002 16:33	

Submission #: 2002-08-0481

Diesel

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Method Blank

Soil

QC Batch # 2002/08/26-05.10

MB: 2002/08/26-05.10-001

Date Extracted: 08/26/2002 15:50

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	08/27/2002 04:04	
<i>Surrogates(s)</i> o-Terphenyl	80.9	60-130	%	08/27/2002 04:04	

Submission #: 2002-08-0481

Diesel

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2002/08/23-01.10

LCS 2002/08/23-01.10-002

Extracted: 08/23/2002

Analyzed: 08/23/2002 12:53

LCSD 2002/08/23-01.10-003

Extracted: 08/23/2002

Analyzed: 08/23/2002 13:33

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	879	882	1250	70.3	70.6	0.4	60-130	25		
Surrogates(s) o-Terphenyl	18.8	19.0	20.0	93.8	94.8		60-130	0		

Submission #: 2002-08-0481

Diesel

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/08/26-02.10

LCS 2002/08/26-02.10-002

Extracted: 08/26/2002

Analyzed: 08/26/2002 15:17

LCSD 2002/08/26-02.10-003

Extracted: 08/26/2002

Analyzed: 08/26/2002 15:55

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	30.9	31.0	41.7	74.1	74.3	0.3	60-130	25		
Surrogates(s) o-Terphenyl	17.4	17.3	20.0	87.1	86.6		60-130	0		

Submission #: 2002-08-0481

Diesel

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Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/08/26-05.10

LCS 2002/08/26-05.10-002

Extracted: 08/26/2002

Analyzed: 08/27/2002 02:49

LCSD 2002/08/26-05.10-003

Extracted: 08/26/2002

Analyzed: 08/27/2002 03:26

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	33.1	33.0	41.7	79.4	79.1	0.4	60-130	25		
Surrogates(s) o-Terphenyl	17.1	17.5	20.0	85.7	87.3		60-130	0		

Submission #: 2002-08-0481

Diesel

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Matrix Spike (MS / MSD)

Soil

QC Batch # 2002/08/26-02.10

PS-1-S-5 >> MS

Lab ID: 2002-08-0481 - 005

MS: 2002/08/26-02.10-004

Extracted: 08/26/2002

Analyzed: 08/27/2002 11:34

Dilution: 20.00

MSD: 2002/08/26-02.10-005

Extracted: 08/26/2002

Analyzed: 08/27/2002 12:14

Dilution: 20.00

Compound	Conc. mg/Kg		Spk.Level Sample	Recovery			Limits %		Flags		
	MS	MSD		mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Diesel	61.4	65.4	48.1	41.5	32.0	41.6	26.1	60-130	25	mso	mso, rpd
Surrogate(s) o-Terphenyl	NA	NA		20.0	0.0	0.0		60-130	0	sd	sd

Submission #: 2002-08-0481

Diesel

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Matrix Spike (MS / MSD)

Soil

QC Batch # 2002/08/26-05.10

PS-5-S-15 >> MS

Lab ID: 2002-08-0481 - 027

MS: 2002/08/26-05.10-004

Extracted: 08/26/2002

Analyzed: 08/27/2002 16:42

Dilution: 1.00

MSD: 2002/08/26-05.10-005

Extracted: 08/26/2002

Analyzed: 08/27/2002 17:20

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	35.3	33.5	1.18	41.5	82.2	77.7	5.6	60-130	25		
Surrogate(s) o-Terphenyl	16.9	17.0		20.0	84.7	85.0		60-130	0		

Submission #: 2002-08-0481

Diesel

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CA DHS ELAP# 2496

Legend and Notes

Analysis Flag

rl

Reporting limits raised due to reduced sample size.

Result Flag

mso

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

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

rpd

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

sd

Surrogate recovery not reportable due to required dilution.

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

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Project: 268-1573

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CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MY-1-S-5	08/22/2002 09:20	Soil	1
MY-1-S-10	08/22/2002 09:30	Soil	2
MY-1-S-15	08/22/2002 09:40	Soil	3
MY-1-S-20	08/22/2002 11:05	Soil	4
MY-2-S-5	08/22/2002 08:00	Soil	6
MY-2-S-10	08/22/2002 08:05	Soil	7
MY-2-S-15	08/22/2002 08:10	Soil	8
MY-2-S-20	08/22/2002 08:15	Soil	9
MY-3-S-5	08/22/2002 13:05	Soil	11
MY-3-S-10	08/22/2002 13:10	Soil	12

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

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Project: 268-1573

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CA DHS ELAP# 2496

Prep(s): 1664	Test(s): 1664
Sample ID: MY-1-S-15	Lab ID: 2002-08-0470 - 3
Sampled: 08/22/2002 09:40	Extracted: 8/26/2002 00:00
Matrix: Soil	QC Batch#: 2002/08/26-02.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	1.00	08/26/2002	

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

Weiss Associates

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Project: 268-1573

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CA DHS ELAP# 2496

Prep(s):	1664	Test(s):	1664
Sample ID:	MY-2-S-15	Lab ID:	2002-08-0470 - 8
Sampled:	08/22/2002 08:10	Extracted:	8/26/2002 00:00
Matrix:	Soil	QC Batch#:	2002/08/26-02.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	1.00	08/26/2002	

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

Prep(s): 1664 Test(s): 1664
Sample ID: MY-2-S-20 Lab ID: 2002-08-0470 - 9
Sampled: 08/22/2002 08:15 Extracted: 8/26/2002 00:00
Matrix: Soil QC Batch#: 2002/08/26-02.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	1.00	08/26/2002	

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

Prep(s): 1664 Test(s): 1664
Sample ID: MY-3-S-5 Lab ID: 2002-08-0470 - 11
Sampled: 08/22/2002 13:05 Extracted: 8/26/2002 00:00
Matrix: Soil QC Batch#: 2002/08/26-02.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	1.00	08/26/2002	

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

Prep(s): 1664 Test(s): 1664
Sample ID: MY-3-S-10 Lab ID: 2002-08-0470 - 12
Sampled: 08/22/2002 13:10 Extracted: 8/26/2002 00:00
Matrix: Soil QC Batch#: 2002/08/26-02.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	1.00	08/26/2002	

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 1664

Method Blank

MB: 2002/08/26-02.23-001

Soil

Test(s): 1664

QC Batch # 2002/08/26-02.23

Date Extracted: 08/26/2002

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	08/26/2002	

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 1664

Test(s): 1664

Laboratory Control Spike

Soil

QC Batch # 2002/08/26-02.23

LCS 2002/08/26-02.23-002

Extracted: 08/26/2002

Analyzed: 08/26/2002

LCSD 2002/08/26-02.23-003

Extracted: 08/26/2002

Analyzed: 08/26/2002

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Oil & Grease (total)	740	786	800	92.5	98.3	6.1	79-114	20		

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

Weiss Associates

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Project: 268-1573

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 1664

Test(s): 1664

Matrix Spike (MS / MSD)

Soil

QC Batch # 2002/08/26-02.23

MY-1-S-5 >> MS

Lab ID: 2002-08-0470 - 001

MS: 2002/08/26-02.23-004

Extracted: 08/26/2002

Analyzed: 08/26/2002

Dilution: 1.00

MSD: 2002/08/26-02.23-005

Extracted: 08/26/2002

Analyzed: 08/26/2002

Dilution: 1.00

Sample / Analysis Flag(s): MS: msaMSD: msa (See Legend and Note Section)

Compound	Conc. mg/Kg			Spk.Level	Recovery			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Oil & Grease (total)	400	378	ND	796	50.3	47.4	5.9	79-114	20		

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MY-3-S-15	08/22/2002 13:20	Soil	13
MY-3-S-20	08/22/2002 13:30	Soil	14
MY-4-S-5	08/22/2002 11:45	Soil	16
MY-4-S-10	08/22/2002 11:50	Soil	17

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

Prep(s): 1664	Test(s): 1664
Sample ID: MY-3-S-15	Lab ID: 2002-08-0470 - 13
Sampled: 08/22/2002 13:20	Extracted: 8/27/2002 00:00
Matrix: Soil	QC Batch#: 2002/08/27-02.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	1.00	08/27/2002	

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

Prep(s): 1664 Test(s): 1664
Sample ID: MY-4-S-5 Lab ID: 2002-08-0470 - 16
Sampled: 08/22/2002 11:45 Extracted: 8/27/2002 00:00
Matrix: Soil QC Batch#: 2002/08/27-02.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	1.00	08/27/2002	

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

Prep(s): 1664 Test(s): 1664
Sample ID: MY-4-S-10 Lab ID: 2002-08-0470 - 17
Sampled: 08/22/2002 11:50 Extracted: 8/27/2002 00:00
Matrix: Soil QC Batch#: 2002/08/27-02.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	1.00	08/27/2002	

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 1664

Method Blank

MB: 2002/08/27-02.23-001

Soil

Test(s): 1664

QC Batch # 2002/08/27-02.23

Date Extracted: 08/27/2002

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	08/27/2002	

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

Weiss Associates

Attn.: Melissa Tumbleson
5801 Christie Avenue, Suite 600
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Project: 268-1573

Received: 08/22/2002 17:15

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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 1664

Test(s): 1664

Laboratory Control Spike

Soil

QC Batch # 2002/08/27-02.23

LCS 2002/08/27-02.23-002

Extracted: 08/27/2002

Analyzed: 08/27/2002

LCSD 2002/08/27-02.23-003

Extracted: 08/27/2002

Analyzed: 08/27/2002

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Oil & Grease (total)	786	776	800	98.3	97.0	1.3	79-114	20		

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

Weiss Associates

Attn.: Melissa Tumbleson
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Project: 268-1573

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 1664

Test(s): 1664

Matrix Spike (MS / MSD)

Soil

QC Batch # 2002/08/27-02.23

MY-3-S-15 >> MS

Lab ID: 2002-08-0470 - 013

MS: 2002/08/27-02.23-004

Extracted: 08/27/2002

Analyzed: 08/27/2002

Dilution: 1.00

MSD: 2002/08/27-02.23-005

Extracted: 08/27/2002

Analyzed: 08/27/2002

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Oil & Grease (total)	755	751	ND	799	94.5	94.0	0.5	79-114	20		

Submission #: 2002-08-0481

Oil & Grease (Total) by EPA 1664

Weiss Associates

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CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MY-4-S-15	08/22/2002 11:55	Soil	1
MY-4-S-20	08/22/2002 12:20	Soil	2
PS-1-S-5	08/22/2002 14:45	Soil	5
PS-1-S-10	08/22/2002 14:50	Soil	6
PS-1-S-15	08/22/2002 15:05	Soil	7
PS-1-S-20	08/23/2002 08:15	Soil	8

Submission #: 2002-08-0481

Oil & Grease (Total) by EPA 1664

Weiss Associates

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Project: 268-1573

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CA DHS ELAP# 2496

Prep(s): 1664 Test(s): 1664
Sample ID: MY-4-S-20 Lab ID: 2002-08-0481 - 2
Sampled: 08/22/2002 12:20 Extracted: 8/27/2002 00:00
Matrix: Soil QC Batch#: 2002/08/27-02.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	1.00	08/27/2002	

Submission #: 2002-08-0481

Oil & Grease (Total) by EPA 1664

Weiss Associates

Attn.: Melissa Tumbleson
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Project: 268-1573
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CA DHS ELAP# 2496

Prep(s): 1664 Test(s): 1664
Sample ID: PS-1-S-5 Lab ID: 2002-08-0481 - 5
Sampled: 08/22/2002 14:45 Extracted: 8/27/2002 00:00
Matrix: Soil QC Batch#: 2002/08/27-02.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	1400	50	mg/Kg	1.00	08/27/2002	

Submission #: 2002-08-0481

Oil & Grease (Total) by EPA 1664

Weiss Associates

Attn.: Melissa Tumbleson
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Phone: (510) 450-6124 Fax: (510) 547-5043

Project: 268-1573
Sunol Maintenance Yard & Pump Station

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CA DHS ELAP# 2496

Prep(s): 1664 Test(s): 1664
Sample ID: PS-1-S-10 Lab ID: 2002-08-0481 - 6
Sampled: 08/22/2002 14:50 Extracted: 8/27/2002 00:00
Matrix: Soil QC Batch#: 2002/08/27-02.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	1.00	08/27/2002	

Submission #: 2002-08-0481

Oil & Grease (Total) by EPA 1664

Weiss Associates

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Project: 268-1573

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CA DHS ELAP# 2496

Prep(s): 1664 Test(s): 1664
Sample ID: PS-1-S-20 Lab ID: 2002-08-0481 - 8
Sampled: 08/23/2002 08:15 Extracted: 8/27/2002 00:00
Matrix: Soil QC Batch#: 2002/08/27-02.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	1.00	08/27/2002	

Submission #: 2002-08-0481

Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 1664

Method Blank

MB: 2002/08/27-02.23-001

Soil

Test(s): 1664

QC Batch # 2002/08/27-02.23

Date Extracted: 08/27/2002

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	08/27/2002	

Submission #: 2002-08-0481

Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 1664

Test(s): 1664

Laboratory Control Spike

Soil

QC Batch # 2002/08/27-02.23

LCS 2002/08/27-02.23-002

Extracted: 08/27/2002

Analyzed: 08/27/2002

LCSD 2002/08/27-02.23-003

Extracted: 08/27/2002

Analyzed: 08/27/2002

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Oil & Grease (total)	786	776	800	98.3	97.0	1.3	79-114	20		

Submission #: 2002-08-0481

Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MY-4-GW	08/23/2002 07:30	Water	3
MY-1-GW	08/23/2002 07:15	Water	31

Submission #: 2002-08-0481

Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

Prep(s): 1664 Test(s): 1664
Sample ID: MY-4-GW Lab ID: 2002-08-0481 - 3
Sampled: 08/23/2002 07:30 Extracted: 8/27/2002 00:00
Matrix: Water QC Batch#: 2002/08/27-01.23
Analysis Flag: rl (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	1.9	mg/L	1.85	08/27/2002	

Submission #: 2002-08-0481

Oil & Grease (Total) by EPA 1664

Weiss Associates

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Project: 268-1573
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CA DHS ELAP# 2496

Prep(s): 1664 Test(s): 1664
Sample ID: MY-1-GW Lab ID: 2002-08-0481 - 31
Sampled: 08/23/2002 07:15 Extracted: 8/27/2002 00:00
Matrix: Water QC Batch#: 2002/08/27-01.23
Analysis Flag: rl (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	1.9	mg/L	1.89	08/27/2002	

Submission #: 2002-08-0481

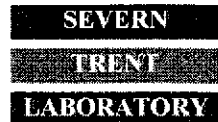
Oil & Grease (Total) by EPA 1664

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Attn.: Melissa Tumbleson
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Project: 268-1573
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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 1664

Method Blank

MB: 2002/08/27-01.23-001

Water

Test(s): 1664

QC Batch # 2002/08/27-01.23

Date Extracted: 08/27/2002

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil & Grease (total)	ND	1	mg/L	08/27/2002	

Submission #: 2002-08-0481

Oil & Grease (Total) by EPA 1664

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Project: 268-1573
Sunol Maintenance Yard & Pump Station

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 1664

Test(s): 1664

Laboratory Control Spike

Water

QC Batch # 2002/08/27-01.23

LCS 2002/08/27-01.23-002

Extracted: 08/27/2002

Analyzed: 08/27/2002

LCSD 2002/08/27-01.23-003

Extracted: 08/27/2002

Analyzed: 08/27/2002

Compound	Conc. mg/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Oil & Grease (total)	39.2	39.3	40.0	98.0	98.3	0.3	79-114	18		

Submission #: 2002-08-0481

Oil & Grease (Total) by EPA 1664

Weiss Associates

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Project: 268-1573
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Received: 08/23/2002 16:50

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CA DHS ELAP# 2496

Legend and Notes

Analysis Flag

rl

Reporting limits raised due to reduced sample size.

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

Weiss Associates

Attn.: Melissa Tumbleson
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CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MY-2-GW	08/22/2002 08:40	Water	10
MY-3-GW	08/22/2002 13:50	Water	15

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

Weiss Associates

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Project: 268-1573

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CA DHS ELAP# 2496

Prep(s): 1664 Test(s): 1664
Sample ID: MY-2-GW Lab ID: 2002-08-0470 - 10
Sampled: 08/22/2002 08:40 Extracted: 8/27/2002 00:00
Matrix: Water QC Batch#: 2002/08/27-01.23
Analysis Flag: rl (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	1.3	mg/L	1.32	08/27/2002	

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

Weiss Associates

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 1664

Method Blank

MB: 2002/08/27-01.23-001

Water

Test(s): 1664

QC Batch # 2002/08/27-01.23

Date Extracted: 08/27/2002

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil & Grease (total)	ND	1	mg/L	08/27/2002	

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 1664

Test(s): 1664

Laboratory Control Spike

Water

QC Batch # 2002/08/27-01.23

LCS 2002/08/27-01.23-002

Extracted: 08/27/2002

Analyzed: 08/27/2002

LCSD 2002/08/27-01.23-003

Extracted: 08/27/2002

Analyzed: 08/27/2002

Compound	Conc. mg/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Oil & Grease (total)	39.2	39.3	40.0	98.0	98.3	0.3	79-114	18		

Submission #: 2002-08-0470

Oil & Grease (Total) by EPA 1664

Weiss Associates

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CA DHS ELAP# 2496

Legend and Notes

Analysis Flag

rl

Reporting limits raised due to reduced sample size.

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

Attn.: Melissa Tumbleson
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CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MY-1-S-5	08/22/2002 09:20	Soil	1
MY-1-S-10	08/22/2002 09:30	Soil	2
MY-1-S-15	08/22/2002 09:40	Soil	3
MY-1-S-20	08/22/2002 11:05	Soil	4
MY-2-S-5	08/22/2002 08:00	Soil	6
MY-2-S-10	08/22/2002 08:05	Soil	7
MY-2-S-15	08/22/2002 08:10	Soil	8
MY-2-S-20	08/22/2002 08:15	Soil	9
MY-3-S-5	08/22/2002 13:05	Soil	11
MY-3-S-10	08/22/2002 13:10	Soil	12
MY-3-S-15	08/22/2002 13:20	Soil	13
MY-3-S-20	08/22/2002 13:30	Soil	14
MY-4-S-5	08/22/2002 11:45	Soil	16
MY-4-S-10	08/22/2002 11:50	Soil	17

Submission #: 2002-08-0470

SEVERN

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LABORATORY

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

Attn.: Melissa Tumbleson
5801 Christie Avenue, Suite 600
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Project: 268-1573

Received: 08/22/2002 17:15

CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-1-S-5 Lab ID: 2002-08-0470 - 1
Sampled: 08/22/2002 09:20 Extracted: 8/26/2002 15:12
Matrix: Soil QC Batch#: 2002/08/26-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Acetone	ND	50	ug/Kg	1.00	08/26/2002 15:12	
Benzene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Bromobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Bromochloromethane	ND	20	ug/Kg	1.00	08/26/2002 15:12	
Bromoform	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Bromomethane	ND	10	ug/Kg	1.00	08/26/2002 15:12	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	08/26/2002 15:12	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Carbon disulfide	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Chlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Chloroethane	ND	10	ug/Kg	1.00	08/26/2002 15:12	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	08/26/2002 15:12	
Chloroform	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Chloromethane	ND	10	ug/Kg	1.00	08/26/2002 15:12	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	08/26/2002 15:12	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	08/26/2002 15:12	
Dibromomethane	ND	10	ug/Kg	1.00	08/26/2002 15:12	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	08/26/2002 15:12	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

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Received: 08/22/2002 17:15

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-1-S-5 Lab ID: 2002-08-0470 - 1
Sampled: 08/22/2002 09:20 Extracted: 8/26/2002 15:12
Matrix: Soil QC Batch#: 2002/08/26-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Ethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
2-Hexanone	ND	50	ug/Kg	1.00	08/26/2002 15:12	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Methylene chloride	ND	10	ug/Kg	1.00	08/26/2002 15:12	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	08/26/2002 15:12	
Naphthalene	ND	10	ug/Kg	1.00	08/26/2002 15:12	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Styrene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Toluene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Trichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Vinyl acetate	ND	50	ug/Kg	1.00	08/26/2002 15:12	
Vinyl chloride	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Total xylenes	ND	5.0	ug/Kg	1.00	08/26/2002 15:12	
Surrogates(s)						
4-Bromofluorobenzene	108.9	74-121	%	1.00	08/26/2002 15:12	
1,2-Dichloroethane-d4	97.1	70-121	%	1.00	08/26/2002 15:12	
Toluene-d8	107.2	81-117	%	1.00	08/26/2002 15:12	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-1-S-10 Lab ID: 2002-08-0470 - 2
Sampled: 08/22/2002 09:30 Extracted: 8/26/2002 16:02
Matrix: Soil QC Batch#: 2002/08/26-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Acetone	ND	50	ug/Kg	1.00	08/26/2002 16:02	
Benzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Bromobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Bromochloromethane	ND	20	ug/Kg	1.00	08/26/2002 16:02	
Bromoform	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Bromomethane	ND	10	ug/Kg	1.00	08/26/2002 16:02	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	08/26/2002 16:02	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Carbon disulfide	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Chlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Chloroethane	ND	10	ug/Kg	1.00	08/26/2002 16:02	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	08/26/2002 16:02	
Chloroform	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Chloromethane	ND	10	ug/Kg	1.00	08/26/2002 16:02	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	08/26/2002 16:02	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	08/26/2002 16:02	
Dibromomethane	ND	10	ug/Kg	1.00	08/26/2002 16:02	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	08/26/2002 16:02	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
 Sample ID: MY-1-S-10 Lab ID: 2002-08-0470 - 2
 Sampled: 08/22/2002 09:30 Extracted: 8/26/2002 16:02
 Matrix: Soil QC Batch#: 2002/08/26-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Ethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
2-Hexanone	ND	50	ug/Kg	1.00	08/26/2002 16:02	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Methylene chloride	ND	10	ug/Kg	1.00	08/26/2002 16:02	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	08/26/2002 16:02	
Naphthalene	ND	10	ug/Kg	1.00	08/26/2002 16:02	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Styrene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Toluene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Trichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Vinyl acetate	ND	50	ug/Kg	1.00	08/26/2002 16:02	
Vinyl chloride	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Total xylenes	ND	5.0	ug/Kg	1.00	08/26/2002 16:02	
Surrogates(s)						
4-Bromofluorobenzene	109.8	74-121	%	1.00	08/26/2002 16:02	
1,2-Dichloroethane-d4	103.6	70-121	%	1.00	08/26/2002 16:02	
Toluene-d8	107.9	81-117	%	1.00	08/26/2002 16:02	

Submission #: 2002-08-0470

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Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-1-S-15 Lab ID: 2002-08-0470 - 3
Sampled: 08/22/2002 09:40 Extracted: 8/26/2002 16:40
Matrix: Soil QC Batch#: 2002/08/26-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Acetone	ND	50	ug/Kg	1.00	08/26/2002 16:40	
Benzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Bromobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Bromochloromethane	ND	20	ug/Kg	1.00	08/26/2002 16:40	
Bromoform	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Bromomethane	ND	10	ug/Kg	1.00	08/26/2002 16:40	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	08/26/2002 16:40	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Carbon disulfide	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Chlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Chloroethane	ND	10	ug/Kg	1.00	08/26/2002 16:40	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	08/26/2002 16:40	
Chloroform	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Chloromethane	ND	10	ug/Kg	1.00	08/26/2002 16:40	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	08/26/2002 16:40	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	08/26/2002 16:40	
Dibromomethane	ND	10	ug/Kg	1.00	08/26/2002 16:40	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	08/26/2002 16:40	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
 Sample ID: MY-1-S-15 Lab ID: 2002-08-0470 - 3
 Sampled: 08/22/2002 09:40 Extracted: 8/26/2002 16:40
 Matrix: Soil QC Batch#: 2002/08/26-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Ethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
2-Hexanone	ND	50	ug/Kg	1.00	08/26/2002 16:40	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Methylene chloride	ND	10	ug/Kg	1.00	08/26/2002 16:40	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	08/26/2002 16:40	
Naphthalene	ND	10	ug/Kg	1.00	08/26/2002 16:40	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Styrene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Toluene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Trichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Vinyl acetate	ND	50	ug/Kg	1.00	08/26/2002 16:40	
Vinyl chloride	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Total xylenes	ND	5.0	ug/Kg	1.00	08/26/2002 16:40	
Surrogates(s)						
4-Bromofluorobenzene	110.2	74-121	%	1.00	08/26/2002 16:40	
1,2-Dichloroethane-d4	105.8	70-121	%	1.00	08/26/2002 16:40	
Toluene-d8	107.0	81-117	%	1.00	08/26/2002 16:40	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-1-S-20 Lab ID: 2002-08-0470 - 4
Sampled: 08/22/2002 11:05 Extracted: 8/26/2002 17:17
Matrix: Soil QC Batch#: 2002/08/26-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Acetone	ND	50	ug/Kg	1.00	08/26/2002 17:17	
Benzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Bromobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Bromochloromethane	ND	20	ug/Kg	1.00	08/26/2002 17:17	
Bromoform	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Bromomethane	ND	10	ug/Kg	1.00	08/26/2002 17:17	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	08/26/2002 17:17	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Carbon disulfide	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Chlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Chloroethane	ND	10	ug/Kg	1.00	08/26/2002 17:17	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	08/26/2002 17:17	
Chloroform	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Chloromethane	ND	10	ug/Kg	1.00	08/26/2002 17:17	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	08/26/2002 17:17	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	08/26/2002 17:17	
Dibromomethane	ND	10	ug/Kg	1.00	08/26/2002 17:17	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	08/26/2002 17:17	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

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Project: 268-1573

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
 Sample ID: MY-1-S-20 Lab ID: 2002-08-0470 - 4
 Sampled: 08/22/2002 11:05 Extracted: 8/26/2002 17:17
 Matrix: Soil QC Batch#: 2002/08/26-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Ethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
2-Hexanone	ND	50	ug/Kg	1.00	08/26/2002 17:17	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Methylene chloride	ND	10	ug/Kg	1.00	08/26/2002 17:17	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	08/26/2002 17:17	
Naphthalene	ND	10	ug/Kg	1.00	08/26/2002 17:17	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Styrene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Toluene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Trichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Vinyl acetate	ND	50	ug/Kg	1.00	08/26/2002 17:17	
Vinyl chloride	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Total xylenes	ND	5.0	ug/Kg	1.00	08/26/2002 17:17	
Surrogates(s)						
4-Bromofluorobenzene	112.2	74-121	%	1.00	08/26/2002 17:17	
1,2-Dichloroethane-d4	107.4	70-121	%	1.00	08/26/2002 17:17	
Toluene-d8	108.1	81-117	%	1.00	08/26/2002 17:17	

Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
 Sample ID: MY-2-S-5 Lab ID: 2002-08-0470 - 6
 Sampled: 08/22/2002 08:00 Extracted: 8/26/2002 17:54
 Matrix: Soil QC Batch#: 2002/08/26-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Acetone	ND	50	ug/Kg	1.00	08/26/2002 17:54	
Benzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Bromobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Bromochloromethane	ND	20	ug/Kg	1.00	08/26/2002 17:54	
Bromoform	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Bromomethane	ND	10	ug/Kg	1.00	08/26/2002 17:54	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	08/26/2002 17:54	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Carbon disulfide	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Chlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Chloroethane	ND	10	ug/Kg	1.00	08/26/2002 17:54	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	08/26/2002 17:54	
Chloroform	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Chloromethane	ND	10	ug/Kg	1.00	08/26/2002 17:54	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	08/26/2002 17:54	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	08/26/2002 17:54	
Dibromomethane	ND	10	ug/Kg	1.00	08/26/2002 17:54	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	08/26/2002 17:54	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
 Sample ID: MY-2-S-5 Lab ID: 2002-08-0470 - 6
 Sampled: 08/22/2002 08:00 Extracted: 8/26/2002 17:54
 Matrix: Soil QC Batch#: 2002/08/26-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Ethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
2-Hexanone	ND	50	ug/Kg	1.00	08/26/2002 17:54	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Methylene chloride	ND	10	ug/Kg	1.00	08/26/2002 17:54	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	08/26/2002 17:54	
Naphthalene	ND	10	ug/Kg	1.00	08/26/2002 17:54	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Styrene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Toluene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Trichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Vinyl acetate	ND	50	ug/Kg	1.00	08/26/2002 17:54	
Vinyl chloride	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Total xylenes	ND	5.0	ug/Kg	1.00	08/26/2002 17:54	
Surrogates(s)						
4-Bromofluorobenzene	114.1	74-121	%	1.00	08/26/2002 17:54	
1,2-Dichloroethane-d4	109.2	70-121	%	1.00	08/26/2002 17:54	
Toluene-d8	107.3	81-117	%	1.00	08/26/2002 17:54	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

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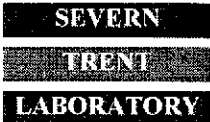
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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-2-S-10 Lab ID: 2002-08-0470 - 7
Sampled: 08/22/2002 08:05 Extracted: 8/26/2002 18:32
Matrix: Soil QC Batch#: 2002/08/26-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Acetone	ND	50	ug/Kg	1.00	08/26/2002 18:32	
Benzene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Bromobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Bromochloromethane	ND	20	ug/Kg	1.00	08/26/2002 18:32	
Bromoform	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Bromomethane	ND	10	ug/Kg	1.00	08/26/2002 18:32	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	08/26/2002 18:32	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Carbon disulfide	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Chlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Chloroethane	ND	10	ug/Kg	1.00	08/26/2002 18:32	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	08/26/2002 18:32	
Chloroform	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Chloromethane	ND	10	ug/Kg	1.00	08/26/2002 18:32	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	08/26/2002 18:32	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	08/26/2002 18:32	
Dibromomethane	ND	10	ug/Kg	1.00	08/26/2002 18:32	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	08/26/2002 18:32	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	

Submission #: 2002-08-0470



Volatile Organic Compounds by 8260B (Low Level)

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Received: 08/22/2002 17:15

CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
 Sample ID: MY-2-S-10 Lab ID: 2002-08-0470 - 7
 Sampled: 08/22/2002 08:05 Extracted: 8/26/2002 18:32
 Matrix: Soil QC Batch#: 2002/08/26-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Ethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
2-Hexanone	ND	50	ug/Kg	1.00	08/26/2002 18:32	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Methylene chloride	ND	10	ug/Kg	1.00	08/26/2002 18:32	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	08/26/2002 18:32	
Naphthalene	ND	10	ug/Kg	1.00	08/26/2002 18:32	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Styrene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Toluene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Trichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Vinyl acetate	ND	50	ug/Kg	1.00	08/26/2002 18:32	
Vinyl chloride	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Total xylenes	ND	5.0	ug/Kg	1.00	08/26/2002 18:32	
Surrogates(s)						
4-Bromofluorobenzene	111.1	74-121	%	1.00	08/26/2002 18:32	
1,2-Dichloroethane-d4	107.1	70-121	%	1.00	08/26/2002 18:32	
Toluene-d8	108.7	81-117	%	1.00	08/26/2002 18:32	

Submission #: 2002-08-0470

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Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-2-S-15 Lab ID: 2002-08-0470 - 8
Sampled: 08/22/2002 08:10 Extracted: 8/26/2002 19:09
Matrix: Soil QC Batch#: 2002/08/26-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Acetone	ND	50	ug/Kg	1.00	08/26/2002 19:09	
Benzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Bromobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Bromochloromethane	ND	20	ug/Kg	1.00	08/26/2002 19:09	
Bromoform	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Bromomethane	ND	10	ug/Kg	1.00	08/26/2002 19:09	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	08/26/2002 19:09	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Carbon disulfide	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Chlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Chloroethane	ND	10	ug/Kg	1.00	08/26/2002 19:09	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	08/26/2002 19:09	
Chloroform	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Chloromethane	ND	10	ug/Kg	1.00	08/26/2002 19:09	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	08/26/2002 19:09	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	08/26/2002 19:09	
Dibromomethane	ND	10	ug/Kg	1.00	08/26/2002 19:09	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	08/26/2002 19:09	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

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www.chromalab.com

CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-2-S-15 Lab ID: 2002-08-0470 - 8
Sampled: 08/22/2002 08:10 Extracted: 8/26/2002 19:09
Matrix: Soil QC Batch#: 2002/08/26-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Ethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
2-Hexanone	ND	50	ug/Kg	1.00	08/26/2002 19:09	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Methylene chloride	ND	10	ug/Kg	1.00	08/26/2002 19:09	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	08/26/2002 19:09	
Naphthalene	ND	10	ug/Kg	1.00	08/26/2002 19:09	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Styrene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Toluene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Trichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Vinyl acetate	ND	50	ug/Kg	1.00	08/26/2002 19:09	
Vinyl chloride	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Total xylenes	ND	5.0	ug/Kg	1.00	08/26/2002 19:09	
Surrogates(s)						
4-Bromofluorobenzene	109.9	74-121	%	1.00	08/26/2002 19:09	
1,2-Dichloroethane-d4	104.7	70-121	%	1.00	08/26/2002 19:09	
Toluene-d8	107.6	81-117	%	1.00	08/26/2002 19:09	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-2-S-20 Lab ID: 2002-08-0470 - 9
Sampled: 08/22/2002 08:15 Extracted: 8/26/2002 19:46
Matrix: Soil QC Batch#: 2002/08/26-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Acetone	ND	50	ug/Kg	1.00	08/26/2002 19:46	
Benzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Bromobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Bromochloromethane	ND	20	ug/Kg	1.00	08/26/2002 19:46	
Bromoform	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Bromomethane	ND	10	ug/Kg	1.00	08/26/2002 19:46	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	08/26/2002 19:46	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Carbon disulfide	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Chlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Chloroethane	ND	10	ug/Kg	1.00	08/26/2002 19:46	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	08/26/2002 19:46	
Chloroform	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Chloromethane	ND	10	ug/Kg	1.00	08/26/2002 19:46	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	08/26/2002 19:46	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	08/26/2002 19:46	
Dibromomethane	ND	10	ug/Kg	1.00	08/26/2002 19:46	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	08/26/2002 19:46	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-2-S-20 Lab ID: 2002-08-0470 - 9
Sampled: 08/22/2002 08:15 Extracted: 8/26/2002 19:46
Matrix: Soil QC Batch#: 2002/08/26-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Ethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
2-Hexanone	ND	50	ug/Kg	1.00	08/26/2002 19:46	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Methylene chloride	ND	10	ug/Kg	1.00	08/26/2002 19:46	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	08/26/2002 19:46	
Naphthalene	ND	10	ug/Kg	1.00	08/26/2002 19:46	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Styrene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Toluene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Trichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Vinyl acetate	ND	50	ug/Kg	1.00	08/26/2002 19:46	
Vinyl chloride	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Total xylenes	ND	5.0	ug/Kg	1.00	08/26/2002 19:46	
Surrogates(s)						
4-Bromofluorobenzene	115.1	74-121	%	1.00	08/26/2002 19:46	
1,2-Dichloroethane-d4	103.6	70-121	%	1.00	08/26/2002 19:46	
Toluene-d8	106.0	81-117	%	1.00	08/26/2002 19:46	

Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
 Sample ID: MY-3-S-5 Lab ID: 2002-08-0470 - 11
 Sampled: 08/22/2002 13:05 Extracted: 8/26/2002 20:23
 Matrix: Soil QC Batch#: 2002/08/26-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Acetone	ND	50	ug/Kg	1.00	08/26/2002 20:23	
Benzene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Bromobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Bromochloromethane	ND	20	ug/Kg	1.00	08/26/2002 20:23	
Bromoform	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Bromomethane	ND	10	ug/Kg	1.00	08/26/2002 20:23	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	08/26/2002 20:23	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Carbon disulfide	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Chlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Chloroethane	ND	10	ug/Kg	1.00	08/26/2002 20:23	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	08/26/2002 20:23	
Chloroform	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Chloromethane	ND	10	ug/Kg	1.00	08/26/2002 20:23	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	08/26/2002 20:23	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	08/26/2002 20:23	
Dibromomethane	ND	10	ug/Kg	1.00	08/26/2002 20:23	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	08/26/2002 20:23	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-3-S-5 Lab ID: 2002-08-0470 - 11
Sampled: 08/22/2002 13:05 Extracted: 8/26/2002 20:23
Matrix: Soil QC Batch#: 2002/08/26-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Ethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
2-Hexanone	ND	50	ug/Kg	1.00	08/26/2002 20:23	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Methylene chloride	ND	10	ug/Kg	1.00	08/26/2002 20:23	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	08/26/2002 20:23	
Naphthalene	ND	10	ug/Kg	1.00	08/26/2002 20:23	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Styrene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Toluene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Trichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Vinyl acetate	ND	50	ug/Kg	1.00	08/26/2002 20:23	
Vinyl chloride	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Total xylenes	ND	5.0	ug/Kg	1.00	08/26/2002 20:23	
Surrogates(s)						
4-Bromofluorobenzene	110.9	74-121	%	1.00	08/26/2002 20:23	
1,2-Dichloroethane-d4	104.2	70-121	%	1.00	08/26/2002 20:23	
Toluene-d8	107.5	81-117	%	1.00	08/26/2002 20:23	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-3-S-10 Lab ID: 2002-08-0470 - 12
Sampled: 08/22/2002 13:10 Extracted: 8/26/2002 21:37
Matrix: Soil QC Batch#: 2002/08/26-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Acetone	ND	50	ug/Kg	1.00	08/26/2002 21:37	
Benzene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Bromobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Bromochloromethane	ND	20	ug/Kg	1.00	08/26/2002 21:37	
Bromoform	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Bromomethane	ND	10	ug/Kg	1.00	08/26/2002 21:37	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	08/26/2002 21:37	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Carbon disulfide	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Chlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Chloroethane	ND	10	ug/Kg	1.00	08/26/2002 21:37	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	08/26/2002 21:37	
Chloroform	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Chloromethane	ND	10	ug/Kg	1.00	08/26/2002 21:37	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	08/26/2002 21:37	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	08/26/2002 21:37	
Dibromomethane	ND	10	ug/Kg	1.00	08/26/2002 21:37	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	08/26/2002 21:37	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-3-S-10 Lab ID: 2002-08-0470 - 12
Sampled: 08/22/2002 13:10 Extracted: 8/26/2002 21:37
Matrix: Soil QC Batch#: 2002/08/26-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Ethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
2-Hexanone	ND	50	ug/Kg	1.00	08/26/2002 21:37	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Methylene chloride	ND	10	ug/Kg	1.00	08/26/2002 21:37	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	08/26/2002 21:37	
Naphthalene	ND	10	ug/Kg	1.00	08/26/2002 21:37	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Styrene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Toluene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Trichloroethene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Vinyl acetate	ND	50	ug/Kg	1.00	08/26/2002 21:37	
Vinyl chloride	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Total xylenes	ND	5.0	ug/Kg	1.00	08/26/2002 21:37	
Surrogates(s)						
4-Bromofluorobenzene	109.3	74-121	%	1.00	08/26/2002 21:37	
1,2-Dichloroethane-d4	108.6	70-121	%	1.00	08/26/2002 21:37	
Toluene-d8	107.5	81-117	%	1.00	08/26/2002 21:37	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-3-S-15 Lab ID: 2002-08-0470 - 13
Sampled: 08/22/2002 13:20 Extracted: 8/27/2002 13:08
Matrix: Soil QC Batch#: 2002/08/27-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Acetone	ND	50	ug/Kg	1.00	08/27/2002 13:08	
Benzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Bromobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Bromochloromethane	ND	20	ug/Kg	1.00	08/27/2002 13:08	
Bromoform	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Bromomethane	ND	10	ug/Kg	1.00	08/27/2002 13:08	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	08/27/2002 13:08	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Carbon disulfide	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Chlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Chloroethane	ND	10	ug/Kg	1.00	08/27/2002 13:08	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	08/27/2002 13:08	
Chloroform	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Chloromethane	ND	10	ug/Kg	1.00	08/27/2002 13:08	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	08/27/2002 13:08	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	08/27/2002 13:08	
Dibromomethane	ND	10	ug/Kg	1.00	08/27/2002 13:08	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	08/27/2002 13:08	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-3-S-15 Lab ID: 2002-08-0470 - 13
Sampled: 08/22/2002 13:20 Extracted: 8/27/2002 13:08
Matrix: Soil QC Batch#: 2002/08/27-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Ethylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
2-Hexanone	ND	50	ug/Kg	1.00	08/27/2002 13:08	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Methylene chloride	ND	10	ug/Kg	1.00	08/27/2002 13:08	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	08/27/2002 13:08	
Naphthalene	ND	10	ug/Kg	1.00	08/27/2002 13:08	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Styrene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Toluene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Trichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Vinyl acetate	ND	50	ug/Kg	1.00	08/27/2002 13:08	
Vinyl chloride	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Total xylenes	ND	5.0	ug/Kg	1.00	08/27/2002 13:08	
Surrogates(s)						
4-Bromofluorobenzene	87.0	74-121	%	1.00	08/27/2002 13:08	
1,2-Dichloroethane-d4	90.7	70-121	%	1.00	08/27/2002 13:08	
Toluene-d8	98.0	81-117	%	1.00	08/27/2002 13:08	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-3-S-20 Lab ID: 2002-08-0470 - 14
Sampled: 08/22/2002 13:30 Extracted: 8/27/2002 13:37
Matrix: Soil QC Batch#: 2002/08/27-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Acetone	ND	50	ug/Kg	1.00	08/27/2002 13:37	
Benzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Bromobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Bromochloromethane	ND	20	ug/Kg	1.00	08/27/2002 13:37	
Bromoform	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Bromomethane	ND	10	ug/Kg	1.00	08/27/2002 13:37	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	08/27/2002 13:37	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Carbon disulfide	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Chlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Chloroethane	ND	10	ug/Kg	1.00	08/27/2002 13:37	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	08/27/2002 13:37	
Chloroform	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Chloromethane	ND	10	ug/Kg	1.00	08/27/2002 13:37	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	08/27/2002 13:37	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	08/27/2002 13:37	
Dibromomethane	ND	10	ug/Kg	1.00	08/27/2002 13:37	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	08/27/2002 13:37	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-3-S-20 Lab ID: 2002-08-0470 - 14
Sampled: 08/22/2002 13:30 Extracted: 8/27/2002 13:37
Matrix: Soil QC Batch#: 2002/08/27-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Ethylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
2-Hexanone	ND	50	ug/Kg	1.00	08/27/2002 13:37	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Methylene chloride	ND	10	ug/Kg	1.00	08/27/2002 13:37	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	08/27/2002 13:37	
Naphthalene	ND	10	ug/Kg	1.00	08/27/2002 13:37	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Styrene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Toluene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Trichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Vinyl acetate	ND	50	ug/Kg	1.00	08/27/2002 13:37	
Vinyl chloride	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Total xylenes	ND	5.0	ug/Kg	1.00	08/27/2002 13:37	
Surrogates(s)						
4-Bromofluorobenzene	89.5	74-121	%	1.00	08/27/2002 13:37	
1,2-Dichloroethane-d4	94.5	70-121	%	1.00	08/27/2002 13:37	
Toluene-d8	99.5	81-117	%	1.00	08/27/2002 13:37	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-4-S-5 Lab ID: 2002-08-0470 - 16
Sampled: 08/22/2002 11:45 Extracted: 8/27/2002 14:06
Matrix: Soil QC Batch#: 2002/08/27-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Acetone	ND	50	ug/Kg	1.00	08/27/2002 14:06	
Benzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Bromobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Bromochloromethane	ND	20	ug/Kg	1.00	08/27/2002 14:06	
Bromoform	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Bromomethane	ND	10	ug/Kg	1.00	08/27/2002 14:06	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	08/27/2002 14:06	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Carbon disulfide	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Chlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Chloroethane	ND	10	ug/Kg	1.00	08/27/2002 14:06	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	08/27/2002 14:06	
Chloroform	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Chloromethane	ND	10	ug/Kg	1.00	08/27/2002 14:06	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	08/27/2002 14:06	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	08/27/2002 14:06	
Dibromomethane	ND	10	ug/Kg	1.00	08/27/2002 14:06	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	08/27/2002 14:06	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	

Submission #: 2002-08-0470



Volatile Organic Compounds by 8260B (Low Level)

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Received: 08/22/2002 17:15

CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
 Sample ID: MY-4-S-5 Lab ID: 2002-08-0470 - 16
 Sampled: 08/22/2002 11:45 Extracted: 8/27/2002 14:06
 Matrix: Soil QC Batch#: 2002/08/27-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Ethylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
2-Hexanone	ND	50	ug/Kg	1.00	08/27/2002 14:06	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Methylene chloride	ND	10	ug/Kg	1.00	08/27/2002 14:06	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	08/27/2002 14:06	
Naphthalene	ND	10	ug/Kg	1.00	08/27/2002 14:06	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Styrene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Toluene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Trichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Vinyl acetate	ND	50	ug/Kg	1.00	08/27/2002 14:06	
Vinyl chloride	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Total xylenes	ND	5.0	ug/Kg	1.00	08/27/2002 14:06	
Surrogates(s)						
4-Bromofluorobenzene	90.9	74-121	%	1.00	08/27/2002 14:06	
1,2-Dichloroethane-d4	93.0	70-121	%	1.00	08/27/2002 14:06	
Toluene-d8	98.8	81-117	%	1.00	08/27/2002 14:06	

Submission #: 2002-08-0470

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Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-4-S-10 Lab ID: 2002-08-0470 - 17
Sampled: 08/22/2002 11:50 Extracted: 8/27/2002 14:36
Matrix: Soil QC Batch#: 2002/08/27-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Acetone	ND	50	ug/Kg	1.00	08/27/2002 14:36	
Benzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Bromobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Bromochloromethane	ND	20	ug/Kg	1.00	08/27/2002 14:36	
Bromoform	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Bromomethane	ND	10	ug/Kg	1.00	08/27/2002 14:36	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	08/27/2002 14:36	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Carbon disulfide	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Chlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Chloroethane	ND	10	ug/Kg	1.00	08/27/2002 14:36	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	08/27/2002 14:36	
Chloroform	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Chloromethane	ND	10	ug/Kg	1.00	08/27/2002 14:36	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	08/27/2002 14:36	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	08/27/2002 14:36	
Dibromomethane	ND	10	ug/Kg	1.00	08/27/2002 14:36	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	08/27/2002 14:36	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-4-S-10 Lab ID: 2002-08-0470 - 17
Sampled: 08/22/2002 11:50 Extracted: 8/27/2002 14:36
Matrix: Soil QC Batch#: 2002/08/27-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Ethylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
2-Hexanone	ND	50	ug/Kg	1.00	08/27/2002 14:36	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Methylene chloride	ND	10	ug/Kg	1.00	08/27/2002 14:36	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	08/27/2002 14:36	
Naphthalene	ND	10	ug/Kg	1.00	08/27/2002 14:36	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Styrene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Toluene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Trichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Vinyl acetate	ND	50	ug/Kg	1.00	08/27/2002 14:36	
Vinyl chloride	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Total xylenes	ND	5.0	ug/Kg	1.00	08/27/2002 14:36	
Surrogates(s)						
4-Bromofluorobenzene	88.2	74-121	%	1.00	08/27/2002 14:36	
1,2-Dichloroethane-d4	92.8	70-121	%	1.00	08/27/2002 14:36	
Toluene-d8	95.1	81-117	%	1.00	08/27/2002 14:36	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2002/08/26-01.06-006

Soil

Test(s): 8260B
QC Batch # 2002/08/26-01.06

Date Extracted: 08/26/2002 14:33

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	08/26/2002 14:33	
Acetone	ND	50	ug/Kg	08/26/2002 14:33	
Benzene	ND	5.0	ug/Kg	08/26/2002 14:33	
Bromodichloromethane	ND	5.0	ug/Kg	08/26/2002 14:33	
Bromobenzene	ND	5.0	ug/Kg	08/26/2002 14:33	
Bromochloromethane	ND	20	ug/Kg	08/26/2002 14:33	
Bromoform	ND	5.0	ug/Kg	08/26/2002 14:33	
Bromomethane	ND	10	ug/Kg	08/26/2002 14:33	
2-Butanone(MEK)	ND	50	ug/Kg	08/26/2002 14:33	
n-Butylbenzene	ND	5.0	ug/Kg	08/26/2002 14:33	
sec-Butylbenzene	ND	5.0	ug/Kg	08/26/2002 14:33	
tert-Butylbenzene	ND	5.0	ug/Kg	08/26/2002 14:33	
Carbon disulfide	ND	5.0	ug/Kg	08/26/2002 14:33	
Carbon tetrachloride	ND	5.0	ug/Kg	08/26/2002 14:33	
Chlorobenzene	ND	5.0	ug/Kg	08/26/2002 14:33	
Chloroethane	ND	10	ug/Kg	08/26/2002 14:33	
2-Chloroethylvinyl ether	ND	50	ug/Kg	08/26/2002 14:33	
Chloroform	ND	5.0	ug/Kg	08/26/2002 14:33	
Chloromethane	ND	10	ug/Kg	08/26/2002 14:33	
2-Chlorotoluene	ND	5.0	ug/Kg	08/26/2002 14:33	
4-Chlorotoluene	ND	5.0	ug/Kg	08/26/2002 14:33	
Dibromochloromethane	ND	5.0	ug/Kg	08/26/2002 14:33	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	08/26/2002 14:33	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	08/26/2002 14:33	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	08/26/2002 14:33	
1,3-Dichloropropane	ND	5.0	ug/Kg	08/26/2002 14:33	
2,2-Dichloropropane	ND	5.0	ug/Kg	08/26/2002 14:33	
1,1-Dichloropropene	ND	5.0	ug/Kg	08/26/2002 14:33	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	08/26/2002 14:33	
1,2-Dibromoethane	ND	10	ug/Kg	08/26/2002 14:33	
Dibromomethane	ND	10	ug/Kg	08/26/2002 14:33	
Dichlorodifluoromethane	ND	10	ug/Kg	08/26/2002 14:33	
1,1-Dichloroethane	ND	5.0	ug/Kg	08/26/2002 14:33	
1,2-Dichloroethane	ND	5.0	ug/Kg	08/26/2002 14:33	
1,1-Dichloroethene	ND	5.0	ug/Kg	08/26/2002 14:33	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	08/26/2002 14:33	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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Project: 268-1573

Received: 08/22/2002 17:15

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2002/08/26-01.06-006

Soil

Test(s): 8260B

QC Batch # 2002/08/26-01.06

Date Extracted: 08/26/2002 14:33

Compound	Conc.	RL	Unit	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	08/26/2002 14:33	
1,2-Dichloropropane	ND	5.0	ug/Kg	08/26/2002 14:33	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	08/26/2002 14:33	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	08/26/2002 14:33	
Ethylbenzene	ND	5.0	ug/Kg	08/26/2002 14:33	
Hexachlorobutadiene	ND	5.0	ug/Kg	08/26/2002 14:33	
2-Hexanone	ND	50	ug/Kg	08/26/2002 14:33	
Isopropylbenzene	ND	5.0	ug/Kg	08/26/2002 14:33	
p-Isopropyltoluene	ND	5.0	ug/Kg	08/26/2002 14:33	
Methylene chloride	ND	10.0	ug/Kg	08/26/2002 14:33	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	08/26/2002 14:33	
Naphthalene	ND	10	ug/Kg	08/26/2002 14:33	
n-Propylbenzene	ND	5.0	ug/Kg	08/26/2002 14:33	
Styrene	ND	5.0	ug/Kg	08/26/2002 14:33	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	08/26/2002 14:33	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	08/26/2002 14:33	
Tetrachloroethene	ND	5.0	ug/Kg	08/26/2002 14:33	
Toluene	ND	5.0	ug/Kg	08/26/2002 14:33	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	08/26/2002 14:33	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	08/26/2002 14:33	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	08/26/2002 14:33	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	08/26/2002 14:33	
Trichloroethene	ND	5.0	ug/Kg	08/26/2002 14:33	
Trichlorofluoromethane	ND	5.0	ug/Kg	08/26/2002 14:33	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	08/26/2002 14:33	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	08/26/2002 14:33	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	08/26/2002 14:33	
Vinyl acetate	ND	50	ug/Kg	08/26/2002 14:33	
Vinyl chloride	ND	5.0	ug/Kg	08/26/2002 14:33	
Total xylenes	ND	5.0	ug/Kg	08/26/2002 14:33	
Surrogates(s)					
4-Bromofluorobenzene	108.4	74-121	%	08/26/2002 14:33	
1,2-Dichloroethane-d4	103.4	70-121	%	08/26/2002 14:33	
Toluene-d8	106.8	81-117	%	08/26/2002 14:33	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2002/08/27-01.09-004

Soil

Test(s): 8260B

QC Batch # 2002/08/27-01.09

Date Extracted: 08/27/2002 11:12

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	08/27/2002 11:12	
Acetone	ND	50	ug/Kg	08/27/2002 11:12	
Benzene	ND	5.0	ug/Kg	08/27/2002 11:12	
Bromodichloromethane	ND	5.0	ug/Kg	08/27/2002 11:12	
Bromobenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
Bromochloromethane	ND	20	ug/Kg	08/27/2002 11:12	
Bromoform	ND	5.0	ug/Kg	08/27/2002 11:12	
Bromomethane	ND	10	ug/Kg	08/27/2002 11:12	
2-Butanone(MEK)	ND	50	ug/Kg	08/27/2002 11:12	
n-Butylbenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
sec-Butylbenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
tert-Butylbenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
Carbon disulfide	ND	5.0	ug/Kg	08/27/2002 11:12	
Carbon tetrachloride	ND	5.0	ug/Kg	08/27/2002 11:12	
Chlorobenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
Chloroethane	ND	10	ug/Kg	08/27/2002 11:12	
2-Chloroethylvinyl ether	ND	50	ug/Kg	08/27/2002 11:12	
Chloroform	ND	5.0	ug/Kg	08/27/2002 11:12	
Chloromethane	ND	10	ug/Kg	08/27/2002 11:12	
2-Chlorotoluene	ND	5.0	ug/Kg	08/27/2002 11:12	
4-Chlorotoluene	ND	5.0	ug/Kg	08/27/2002 11:12	
Dibromochloromethane	ND	5.0	ug/Kg	08/27/2002 11:12	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
1,3-Dichloropropane	ND	5.0	ug/Kg	08/27/2002 11:12	
2,2-Dichloropropane	ND	5.0	ug/Kg	08/27/2002 11:12	
1,1-Dichloropropene	ND	5.0	ug/Kg	08/27/2002 11:12	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	08/27/2002 11:12	
1,2-Dibromoethane	ND	10	ug/Kg	08/27/2002 11:12	
Dibromomethane	ND	10	ug/Kg	08/27/2002 11:12	
Dichlorodifluoromethane	ND	10	ug/Kg	08/27/2002 11:12	
1,1-Dichloroethane	ND	5.0	ug/Kg	08/27/2002 11:12	
1,2-Dichloroethane	ND	5.0	ug/Kg	08/27/2002 11:12	
1,1-Dichloroethene	ND	5.0	ug/Kg	08/27/2002 11:12	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	08/27/2002 11:12	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2002/08/27-01.09-004

Soil

Test(s): 8260B

QC Batch # 2002/08/27-01.09

Date Extracted: 08/27/2002 11:12

Compound	Conc.	RL	Unit	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	08/27/2002 11:12	
1,2-Dichloropropane	ND	5.0	ug/Kg	08/27/2002 11:12	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	08/27/2002 11:12	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	08/27/2002 11:12	
Ethylbenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
Hexachlorobutadiene	ND	5.0	ug/Kg	08/27/2002 11:12	
2-Hexanone	ND	50	ug/Kg	08/27/2002 11:12	
Isopropylbenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
p-Isopropyltoluene	ND	5.0	ug/Kg	08/27/2002 11:12	
Methylene chloride	ND	10.0	ug/Kg	08/27/2002 11:12	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	08/27/2002 11:12	
Naphthalene	ND	10	ug/Kg	08/27/2002 11:12	
n-Propylbenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
Styrene	ND	5.0	ug/Kg	08/27/2002 11:12	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	08/27/2002 11:12	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	08/27/2002 11:12	
Tetrachloroethene	ND	5.0	ug/Kg	08/27/2002 11:12	
Toluene	ND	5.0	ug/Kg	08/27/2002 11:12	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	08/27/2002 11:12	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	08/27/2002 11:12	
Trichloroethene	ND	5.0	ug/Kg	08/27/2002 11:12	
Trichlorofluoromethane	ND	5.0	ug/Kg	08/27/2002 11:12	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	08/27/2002 11:12	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
Vinyl acetate	ND	50	ug/Kg	08/27/2002 11:12	
Vinyl chloride	ND	5.0	ug/Kg	08/27/2002 11:12	
Total xylenes	ND	5.0	ug/Kg	08/27/2002 11:12	
Surrogates(s)					
4-Bromofluorobenzene	91.7	74-121	%	08/27/2002 11:12	
1,2-Dichloroethane-d4	88.1	70-121	%	08/27/2002 11:12	
Toluene-d8	104.2	81-117	%	08/27/2002 11:12	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

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Project: 268-1573

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2002/08/26-01.06

LCS 2002/08/26-01.06-004

Extracted: 08/26/2002

Analyzed: 08/26/2002 13:19

LCSD 2002/08/26-01.06-005

Extracted: 08/26/2002

Analyzed: 08/26/2002 13:56

Compound	Conc. ug/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	105	107	100.0	105.0	107.0	1.9	69-129	20		
Chlorobenzene	93.3	94.5	100.0	93.3	94.5	1.3	61-121	20		
1,1-Dichloroethene	107	109	100.0	107.0	109.0	1.9	65-125	20		
Toluene	101	103	100.0	101.0	103.0	2.0	70-130	20		
Trichloroethene	96.5	97.6	100.0	96.5	97.6	1.1	74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	545	546	500	109.0	109.2		74-121			
1,2-Dichloroethane-d4	493	507	500	98.6	101.4		70-121			
Toluene-d8	524	529	500	104.8	105.8		81-117			

Submission #: 2002-08-0470

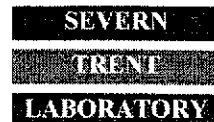
Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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Project: 268-1573

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2002/08/27-01.09

LCS 2002/08/27-01.09-002

Extracted: 08/27/2002

Analyzed: 08/27/2002 10:12

LCSD 2002/08/27-01.09-003

Extracted: 08/27/2002

Analyzed: 08/27/2002 10:44

Compound	Conc. ug/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Benzene	102	106	100.0	102.0	106.0	3.8	69-129	20			
Chlorobenzene	104	106	100.0	104.0	106.0	1.9	61-121	20			
1,1-Dichloroethene	86.6	83.5	100.0	86.6	83.5	3.6	65-125	20			
Toluene	104	106	100.0	104.0	106.0	1.9	70-130	20			
Trichloroethene	102	104	100.0	102.0	104.0	1.9	74-134	20			
Surrogates(s)											
4-Bromofluorobenzene	458	465	500	91.6	93.0		74-121				
1,2-Dichloroethane-d4	407	402	500	81.4	80.4		70-121				
Toluene-d8	503	487	500	100.6	97.4		81-117				

Submission #: 2002-08-0481

Volatile Organic Compounds by 8260B (Low Level)

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Project: 268-1573
Sunol Maintenance Yard & Pump Station

Received: 08/23/2002 16:50

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CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MY-4-S-15	08/22/2002 11:55	Soil	1
MY-4-S-20	08/22/2002 12:20	Soil	2

Submission #: 2002-08-0481

Volatile Organic Compounds by 8260B (Low Level)

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Sunol Maintenance Yard & Pump Station

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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-4-S-15 Lab ID: 2002-08-0481 - 1
Sampled: 08/22/2002 11:55 Extracted: 8/27/2002 16:09
Matrix: Soil QC Batch#: 2002/08/27-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Acetone	ND	50	ug/Kg	1.00	08/27/2002 16:09	
Benzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Bromobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Bromochloromethane	ND	20	ug/Kg	1.00	08/27/2002 16:09	
Bromoform	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Bromomethane	ND	10	ug/Kg	1.00	08/27/2002 16:09	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	08/27/2002 16:09	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Carbon disulfide	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Chlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Chloroethane	ND	10	ug/Kg	1.00	08/27/2002 16:09	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	08/27/2002 16:09	
Chloroform	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Chloromethane	ND	10	ug/Kg	1.00	08/27/2002 16:09	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	08/27/2002 16:09	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	08/27/2002 16:09	
Dibromomethane	ND	10	ug/Kg	1.00	08/27/2002 16:09	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	08/27/2002 16:09	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	

Submission #: 2002-08-0481

SEVERN

Volatile Organic Compounds by 8260B (Low Level)

TRENT

LABORATORY

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Project: 268-1573
 Sunol Maintenance Yard & Pump Station

Received: 08/23/2002 16:50

CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
 Sample ID: MY-4-S-15 Lab ID: 2002-08-0481 - 1
 Sampled: 08/22/2002 11:55 Extracted: 8/27/2002 16:09
 Matrix: Soil QC Batch#: 2002/08/27-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Ethylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
2-Hexanone	ND	50	ug/Kg	1.00	08/27/2002 16:09	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Methylene chloride	ND	10	ug/Kg	1.00	08/27/2002 16:09	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	08/27/2002 16:09	
Naphthalene	ND	10	ug/Kg	1.00	08/27/2002 16:09	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Styrene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Toluene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Trichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Vinyl acetate	ND	50	ug/Kg	1.00	08/27/2002 16:09	
Vinyl chloride	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Total xylenes	ND	5.0	ug/Kg	1.00	08/27/2002 16:09	
Surrogates(s)						
4-Bromofluorobenzene	90.2	74-121	%	1.00	08/27/2002 16:09	
1,2-Dichloroethane-d4	87.4	70-121	%	1.00	08/27/2002 16:09	
Toluene-d8	96.0	81-117	%	1.00	08/27/2002 16:09	

Submission #: 2002-08-0481

SEVERN

TRENT

LABORATORY

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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Project: 268-1573
Sunol Maintenance Yard & Pump Station

Received: 08/23/2002 16:50

CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-4-S-20 Lab ID: 2002-08-0481 - 2
Sampled: 08/22/2002 12:20 Extracted: 8/27/2002 16:40
Matrix: Soil QC Batch#: 2002/08/27-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Acetone	ND	50	ug/Kg	1.00	08/27/2002 16:40	
Benzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Bromobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Bromochloromethane	ND	20	ug/Kg	1.00	08/27/2002 16:40	
Bromoform	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Bromomethane	ND	10	ug/Kg	1.00	08/27/2002 16:40	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	08/27/2002 16:40	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Carbon disulfide	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Chlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Chloroethane	ND	10	ug/Kg	1.00	08/27/2002 16:40	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	08/27/2002 16:40	
Chloroform	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Chloromethane	ND	10	ug/Kg	1.00	08/27/2002 16:40	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	08/27/2002 16:40	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	08/27/2002 16:40	
Dibromomethane	ND	10	ug/Kg	1.00	08/27/2002 16:40	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	08/27/2002 16:40	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	

Submission #: 2002-08-0481

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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Project: 268-1573
Sunol Maintenance Yard & Pump Station

Received: 08/23/2002 16:50



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CA DHS ELAP# 2496

Prep(s): 5035 Test(s): 8260B
Sample ID: MY-4-S-20 Lab ID: 2002-08-0481 - 2
Sampled: 08/22/2002 12:20 Extracted: 8/27/2002 16:40
Matrix: Soil QC Batch#: 2002/08/27-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Ethylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
2-Hexanone	ND	50	ug/Kg	1.00	08/27/2002 16:40	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Methylene chloride	ND	10	ug/Kg	1.00	08/27/2002 16:40	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	08/27/2002 16:40	
Naphthalene	ND	10	ug/Kg	1.00	08/27/2002 16:40	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Styrene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Toluene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Trichloroethene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Vinyl acetate	ND	50	ug/Kg	1.00	08/27/2002 16:40	
Vinyl chloride	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Total xylenes	ND	5.0	ug/Kg	1.00	08/27/2002 16:40	
Surrogates(s)						
4-Bromofluorobenzene	92.7	74-121	%	1.00	08/27/2002 16:40	
1,2-Dichloroethane-d4	98.5	70-121	%	1.00	08/27/2002 16:40	
Toluene-d8	102.6	81-117	%	1.00	08/27/2002 16:40	

Submission #: 2002-08-0481

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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Sunol Maintenance Yard & Pump Station

Received: 08/23/2002 16:50



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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2002/08/27-01.09-004

Soil

Test(s): 8260B

QC Batch # 2002/08/27-01.09

Date Extracted: 08/27/2002 11:12

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	08/27/2002 11:12	
Acetone	ND	50	ug/Kg	08/27/2002 11:12	
Benzene	ND	5.0	ug/Kg	08/27/2002 11:12	
Bromodichloromethane	ND	5.0	ug/Kg	08/27/2002 11:12	
Bromobenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
Bromochloromethane	ND	20	ug/Kg	08/27/2002 11:12	
Bromoform	ND	5.0	ug/Kg	08/27/2002 11:12	
Bromomethane	ND	10	ug/Kg	08/27/2002 11:12	
2-Butanone(MEK)	ND	50	ug/Kg	08/27/2002 11:12	
n-Butylbenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
sec-Butylbenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
tert-Butylbenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
Carbon disulfide	ND	5.0	ug/Kg	08/27/2002 11:12	
Carbon tetrachloride	ND	5.0	ug/Kg	08/27/2002 11:12	
Chlorobenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
Chloroethane	ND	10	ug/Kg	08/27/2002 11:12	
2-Chloroethylvinyl ether	ND	50	ug/Kg	08/27/2002 11:12	
Chloroform	ND	5.0	ug/Kg	08/27/2002 11:12	
Chloromethane	ND	10	ug/Kg	08/27/2002 11:12	
2-Chlorotoluene	ND	5.0	ug/Kg	08/27/2002 11:12	
4-Chlorotoluene	ND	5.0	ug/Kg	08/27/2002 11:12	
Dibromochloromethane	ND	5.0	ug/Kg	08/27/2002 11:12	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
1,3-Dichloropropane	ND	5.0	ug/Kg	08/27/2002 11:12	
2,2-Dichloropropane	ND	5.0	ug/Kg	08/27/2002 11:12	
1,1-Dichloropropene	ND	5.0	ug/Kg	08/27/2002 11:12	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	08/27/2002 11:12	
1,2-Dibromoethane	ND	10	ug/Kg	08/27/2002 11:12	
Dibromomethane	ND	10	ug/Kg	08/27/2002 11:12	
Dichlorodifluoromethane	ND	10	ug/Kg	08/27/2002 11:12	
1,1-Dichloroethane	ND	5.0	ug/Kg	08/27/2002 11:12	
1,2-Dichloroethane	ND	5.0	ug/Kg	08/27/2002 11:12	
1,1-Dichloroethene	ND	5.0	ug/Kg	08/27/2002 11:12	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	08/27/2002 11:12	

Submission #: 2002-08-0481

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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Sunol Maintenance Yard & Pump Station

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2002/08/27-01.09-004

Soil

Test(s): 8260B

QC Batch # 2002/08/27-01.09

Date Extracted: 08/27/2002 11:12

Compound	Conc.	RL	Unit	Analyzed	Flag
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	08/27/2002 11:12	
1,2-Dichloropropane	ND	5.0	ug/Kg	08/27/2002 11:12	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	08/27/2002 11:12	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	08/27/2002 11:12	
Ethylbenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
Hexachlorobutadiene	ND	5.0	ug/Kg	08/27/2002 11:12	
2-Hexanone	ND	50	ug/Kg	08/27/2002 11:12	
Isopropylbenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
p-Isopropyltoluene	ND	5.0	ug/Kg	08/27/2002 11:12	
Methylene chloride	ND	10.0	ug/Kg	08/27/2002 11:12	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	08/27/2002 11:12	
Naphthalene	ND	10	ug/Kg	08/27/2002 11:12	
n-Propylbenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
Styrene	ND	5.0	ug/Kg	08/27/2002 11:12	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	08/27/2002 11:12	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	08/27/2002 11:12	
Tetrachloroethene	ND	5.0	ug/Kg	08/27/2002 11:12	
Toluene	ND	5.0	ug/Kg	08/27/2002 11:12	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	08/27/2002 11:12	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	08/27/2002 11:12	
Trichloroethene	ND	5.0	ug/Kg	08/27/2002 11:12	
Trichlorofluoromethane	ND	5.0	ug/Kg	08/27/2002 11:12	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	08/27/2002 11:12	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	08/27/2002 11:12	
Vinyl acetate	ND	50	ug/Kg	08/27/2002 11:12	
Vinyl chloride	ND	5.0	ug/Kg	08/27/2002 11:12	
Total xylenes	ND	5.0	ug/Kg	08/27/2002 11:12	
Surrogates(s)					
4-Bromofluorobenzene	91.7	74-121	%	08/27/2002 11:12	
1,2-Dichloroethane-d4	88.1	70-121	%	08/27/2002 11:12	
Toluene-d8	104.2	81-117	%	08/27/2002 11:12	

Submission #: 2002-08-0481

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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Project: 268-1573
Sunol Maintenance Yard & Pump Station

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2002/08/27-01.09

LCS 2002/08/27-01.09-002

Extracted: 08/27/2002

Analyzed: 08/27/2002 10:12

LCSD 2002/08/27-01.09-003

Extracted: 08/27/2002

Analyzed: 08/27/2002 10:44

Compound	Conc. ug/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	102	106	100.0	102.0	106.0	3.8	69-129	20		
Chlorobenzene	104	106	100.0	104.0	106.0	1.9	61-121	20		
1,1-Dichloroethene	86.6	83.5	100.0	86.6	83.5	3.6	65-125	20		
Toluene	104	106	100.0	104.0	106.0	1.9	70-130	20		
Trichloroethene	102	104	100.0	102.0	104.0	1.9	74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	458	465	500	91.6	93.0		74-121			
1,2-Dichloroethane-d4	407	402	500	81.4	80.4		70-121			
Toluene-d8	503	487	500	100.6	97.4		81-117			

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

Attn.: Melissa Tumbleson
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Project: 268-1573

Received: 08/22/2002 17:15

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CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MY-1-GW	08/22/2002 16:15	Water	5
MY-2-GW	08/22/2002 08:40	Water	10
MY-3-GW	08/22/2002 13:50	Water	15

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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Project: 268-1573

Received: 08/22/2002 17:15



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CA DHS ELAP# 2496

Prep(s): 5030B Test(s): 8260B
Sample ID: MY-1-GW Lab ID: 2002-08-0470 - 5
Sampled: 08/22/2002 16:15 Extracted: 8/26/2002 14:23
Matrix: Water QC Batch#: 2002/08/26-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	08/26/2002 14:23	
Acetone	ND	50	ug/L	1.00	08/26/2002 14:23	
Benzene	ND	0.50	ug/L	1.00	08/26/2002 14:23	
Bromodichloromethane	ND	0.50	ug/L	1.00	08/26/2002 14:23	
Bromobenzene	ND	1.0	ug/L	1.00	08/26/2002 14:23	
Bromochloromethane	ND	1.0	ug/L	1.00	08/26/2002 14:23	
Bromoform	ND	0.50	ug/L	1.00	08/26/2002 14:23	
Bromomethane	ND	1.0	ug/L	1.00	08/26/2002 14:23	
2-Butanone(MEK)	ND	50	ug/L	1.00	08/26/2002 14:23	
n-Butylbenzene	ND	1.0	ug/L	1.00	08/26/2002 14:23	
sec-Butylbenzene	ND	1.0	ug/L	1.00	08/26/2002 14:23	
tert-Butylbenzene	ND	1.0	ug/L	1.00	08/26/2002 14:23	
Carbon disulfide	ND	5.0	ug/L	1.00	08/26/2002 14:23	
Carbon tetrachloride	ND	0.50	ug/L	1.00	08/26/2002 14:23	
Chlorobenzene	ND	0.50	ug/L	1.00	08/26/2002 14:23	
Chloroethane	ND	1.0	ug/L	1.00	08/26/2002 14:23	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	08/26/2002 14:23	
Chloroform	ND	1.0	ug/L	1.00	08/26/2002 14:23	
Chloromethane	ND	1.0	ug/L	1.00	08/26/2002 14:23	
2-Chlorotoluene	ND	0.50	ug/L	1.00	08/26/2002 14:23	
4-Chlorotoluene	ND	0.50	ug/L	1.00	08/26/2002 14:23	
Dibromochloromethane	ND	0.50	ug/L	1.00	08/26/2002 14:23	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	08/26/2002 14:23	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	08/26/2002 14:23	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	08/26/2002 14:23	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	08/26/2002 14:23	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	08/26/2002 14:23	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	08/26/2002 14:23	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	08/26/2002 14:23	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	08/26/2002 14:23	
Dibromomethane	ND	0.50	ug/L	1.00	08/26/2002 14:23	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	08/26/2002 14:23	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	08/26/2002 14:23	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	08/26/2002 14:23	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	08/26/2002 14:23	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/26/2002 14:23	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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Project: 268-1573

Received: 08/22/2002 17:15



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www.chromalab.com

CA DHS ELAP# 2496

Prep(s): 5030B Test(s): 8260B
Sample ID: MY-1-GW Lab ID: 2002-08-0470 - 5
Sampled: 08/22/2002 16:15 Extracted: 8/26/2002 14:23
Matrix: Water QC Batch#: 2002/08/26-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/26/2002 14:23	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	08/26/2002 14:23	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/26/2002 14:23	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/26/2002 14:23	
Ethylbenzene	ND	0.50	ug/L	1.00	08/26/2002 14:23	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	08/26/2002 14:23	
2-Hexanone	ND	50	ug/L	1.00	08/26/2002 14:23	
Isopropylbenzene	ND	0.50	ug/L	1.00	08/26/2002 14:23	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	08/26/2002 14:23	
Methylene chloride	ND	5.0	ug/L	1.00	08/26/2002 14:23	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	08/26/2002 14:23	
Naphthalene	ND	1.0	ug/L	1.00	08/26/2002 14:23	
n-Propylbenzene	ND	1.0	ug/L	1.00	08/26/2002 14:23	
Styrene	ND	0.50	ug/L	1.00	08/26/2002 14:23	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/26/2002 14:23	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/26/2002 14:23	
Tetrachloroethene	ND	0.50	ug/L	1.00	08/26/2002 14:23	
Toluene	ND	0.50	ug/L	1.00	08/26/2002 14:23	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	08/26/2002 14:23	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	08/26/2002 14:23	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	08/26/2002 14:23	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	08/26/2002 14:23	
Trichloroethene	ND	0.50	ug/L	1.00	08/26/2002 14:23	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	08/26/2002 14:23	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	08/26/2002 14:23	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	08/26/2002 14:23	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	08/26/2002 14:23	
Vinyl acetate	ND	25	ug/L	1.00	08/26/2002 14:23	
Vinyl chloride	ND	0.50	ug/L	1.00	08/26/2002 14:23	
Total xylenes	ND	1.0	ug/L	1.00	08/26/2002 14:23	
Surrogates(s)						
4-Bromofluorobenzene	98.4	86-115	%	1.00	08/26/2002 14:23	
1,2-Dichloroethane-d4	101.3	76-114	%	1.00	08/26/2002 14:23	
Toluene-d8	103.7	88-110	%	1.00	08/26/2002 14:23	

Submission #: 2002-08-0470

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LABORATORY

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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CA DHS ELAP# 2496

Prep(s): 5030B Test(s): 8260B
Sample ID: MY-2-GW Lab ID: 2002-08-0470 - 10
Sampled: 08/22/2002 08:40 Extracted: 8/26/2002 16:05
Matrix: Water QC Batch#: 2002/08/26-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	08/26/2002 16:05	
Acetone	ND	50	ug/L	1.00	08/26/2002 16:05	
Benzene	ND	0.50	ug/L	1.00	08/26/2002 16:05	
Bromodichloromethane	ND	0.50	ug/L	1.00	08/26/2002 16:05	
Bromobenzene	ND	1.0	ug/L	1.00	08/26/2002 16:05	
Bromochloromethane	ND	1.0	ug/L	1.00	08/26/2002 16:05	
Bromoform	ND	0.50	ug/L	1.00	08/26/2002 16:05	
Bromomethane	ND	1.0	ug/L	1.00	08/26/2002 16:05	
2-Butanone(MEK)	ND	50	ug/L	1.00	08/26/2002 16:05	
n-Butylbenzene	ND	1.0	ug/L	1.00	08/26/2002 16:05	
sec-Butylbenzene	ND	1.0	ug/L	1.00	08/26/2002 16:05	
tert-Butylbenzene	ND	1.0	ug/L	1.00	08/26/2002 16:05	
Carbon disulfide	ND	5.0	ug/L	1.00	08/26/2002 16:05	
Carbon tetrachloride	ND	0.50	ug/L	1.00	08/26/2002 16:05	
Chlorobenzene	ND	0.50	ug/L	1.00	08/26/2002 16:05	
Chloroethane	ND	1.0	ug/L	1.00	08/26/2002 16:05	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	08/26/2002 16:05	
Chloroform	ND	1.0	ug/L	1.00	08/26/2002 16:05	
Chloromethane	ND	1.0	ug/L	1.00	08/26/2002 16:05	
2-Chlorotoluene	ND	0.50	ug/L	1.00	08/26/2002 16:05	
4-Chlorotoluene	ND	0.50	ug/L	1.00	08/26/2002 16:05	
Dibromochloromethane	ND	0.50	ug/L	1.00	08/26/2002 16:05	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	08/26/2002 16:05	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	08/26/2002 16:05	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	08/26/2002 16:05	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	08/26/2002 16:05	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	08/26/2002 16:05	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	08/26/2002 16:05	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	08/26/2002 16:05	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	08/26/2002 16:05	
Dibromomethane	ND	0.50	ug/L	1.00	08/26/2002 16:05	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	08/26/2002 16:05	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	08/26/2002 16:05	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	08/26/2002 16:05	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	08/26/2002 16:05	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/26/2002 16:05	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Prep(s): 5030B Test(s): 8260B
Sample ID: MY-2-GW Lab ID: 2002-08-0470 - 10
Sampled: 08/22/2002 08:40 Extracted: 8/26/2002 16:05
Matrix: Water QC Batch#: 2002/08/26-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/26/2002 16:05	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	08/26/2002 16:05	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/26/2002 16:05	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/26/2002 16:05	
Ethylbenzene	ND	0.50	ug/L	1.00	08/26/2002 16:05	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	08/26/2002 16:05	
2-Hexanone	ND	50	ug/L	1.00	08/26/2002 16:05	
Isopropylbenzene	ND	0.50	ug/L	1.00	08/26/2002 16:05	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	08/26/2002 16:05	
Methylene chloride	ND	5.0	ug/L	1.00	08/26/2002 16:05	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	08/26/2002 16:05	
Naphthalene	ND	1.0	ug/L	1.00	08/26/2002 16:05	
n-Propylbenzene	ND	1.0	ug/L	1.00	08/26/2002 16:05	
Styrene	ND	0.50	ug/L	1.00	08/26/2002 16:05	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/26/2002 16:05	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/26/2002 16:05	
Tetrachloroethene	ND	0.50	ug/L	1.00	08/26/2002 16:05	
Toluene	ND	0.50	ug/L	1.00	08/26/2002 16:05	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	08/26/2002 16:05	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	08/26/2002 16:05	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	08/26/2002 16:05	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	08/26/2002 16:05	
Trichloroethene	ND	0.50	ug/L	1.00	08/26/2002 16:05	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	08/26/2002 16:05	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	08/26/2002 16:05	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	08/26/2002 16:05	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	08/26/2002 16:05	
Vinyl acetate	ND	25	ug/L	1.00	08/26/2002 16:05	
Vinyl chloride	ND	0.50	ug/L	1.00	08/26/2002 16:05	
Total xylenes	ND	1.0	ug/L	1.00	08/26/2002 16:05	
Surrogates(s)						
4-Bromofluorobenzene	97.3	86-115	%	1.00	08/26/2002 16:05	
1,2-Dichloroethane-d4	105.0	76-114	%	1.00	08/26/2002 16:05	
Toluene-d8	101.2	88-110	%	1.00	08/26/2002 16:05	

Submission #: 2002-08-0470

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LABORATORY

Volatile Organic Compounds by 8260B (Low Level)

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www.chromalab.com

CA DHS ELAP# 2496

Prep(s): 5030B Test(s): 8260B
Sample ID: MY-3-GW Lab ID: 2002-08-0470 - 15
Sampled: 08/22/2002 13:50 Extracted: 8/26/2002 16:39
Matrix: Water QC Batch#: 2002/08/26-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	08/26/2002 16:39	
Acetone	ND	50	ug/L	1.00	08/26/2002 16:39	
Benzene	ND	0.50	ug/L	1.00	08/26/2002 16:39	
Bromodichloromethane	ND	0.50	ug/L	1.00	08/26/2002 16:39	
Bromobenzene	ND	1.0	ug/L	1.00	08/26/2002 16:39	
Bromochloromethane	ND	1.0	ug/L	1.00	08/26/2002 16:39	
Bromoform	ND	0.50	ug/L	1.00	08/26/2002 16:39	
Bromomethane	ND	1.0	ug/L	1.00	08/26/2002 16:39	
2-Butanone(MEK)	ND	50	ug/L	1.00	08/26/2002 16:39	
n-Butylbenzene	ND	1.0	ug/L	1.00	08/26/2002 16:39	
sec-Butylbenzene	ND	1.0	ug/L	1.00	08/26/2002 16:39	
tert-Butylbenzene	ND	1.0	ug/L	1.00	08/26/2002 16:39	
Carbon disulfide	ND	5.0	ug/L	1.00	08/26/2002 16:39	
Carbon tetrachloride	ND	0.50	ug/L	1.00	08/26/2002 16:39	
Chlorobenzene	ND	0.50	ug/L	1.00	08/26/2002 16:39	
Chloroethane	ND	1.0	ug/L	1.00	08/26/2002 16:39	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	08/26/2002 16:39	
Chloroform	ND	1.0	ug/L	1.00	08/26/2002 16:39	
Chloromethane	ND	1.0	ug/L	1.00	08/26/2002 16:39	
2-Chlorotoluene	ND	0.50	ug/L	1.00	08/26/2002 16:39	
4-Chlorotoluene	ND	0.50	ug/L	1.00	08/26/2002 16:39	
Dibromochloromethane	ND	0.50	ug/L	1.00	08/26/2002 16:39	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	08/26/2002 16:39	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	08/26/2002 16:39	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	08/26/2002 16:39	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	08/26/2002 16:39	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	08/26/2002 16:39	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	08/26/2002 16:39	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	08/26/2002 16:39	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	08/26/2002 16:39	
Dibromomethane	ND	0.50	ug/L	1.00	08/26/2002 16:39	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	08/26/2002 16:39	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	08/26/2002 16:39	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	08/26/2002 16:39	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	08/26/2002 16:39	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/26/2002 16:39	

Submission #: 2002-08-0470



Volatile Organic Compounds by 8260B (Low Level)

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Project: 268-1573

Received: 08/22/2002 17:15

CA DHS ELAP# 2496

Prep(s): 5030B Test(s): 8260B
 Sample ID: MY-3-GW Lab ID: 2002-08-0470 - 15
 Sampled: 08/22/2002 13:50 Extracted: 8/26/2002 16:39
 Matrix: Water QC Batch#: 2002/08/26-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/26/2002 16:39	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	08/26/2002 16:39	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/26/2002 16:39	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/26/2002 16:39	
Ethylbenzene	ND	0.50	ug/L	1.00	08/26/2002 16:39	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	08/26/2002 16:39	
2-Hexanone	ND	50	ug/L	1.00	08/26/2002 16:39	
Isopropylbenzene	ND	0.50	ug/L	1.00	08/26/2002 16:39	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	08/26/2002 16:39	
Methylene chloride	ND	5.0	ug/L	1.00	08/26/2002 16:39	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	08/26/2002 16:39	
Naphthalene	ND	1.0	ug/L	1.00	08/26/2002 16:39	
n-Propylbenzene	ND	1.0	ug/L	1.00	08/26/2002 16:39	
Styrene	ND	0.50	ug/L	1.00	08/26/2002 16:39	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/26/2002 16:39	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/26/2002 16:39	
Tetrachloroethene	ND	0.50	ug/L	1.00	08/26/2002 16:39	
Toluene	ND	0.50	ug/L	1.00	08/26/2002 16:39	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	08/26/2002 16:39	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	08/26/2002 16:39	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	08/26/2002 16:39	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	08/26/2002 16:39	
Trichloroethene	ND	0.50	ug/L	1.00	08/26/2002 16:39	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	08/26/2002 16:39	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	08/26/2002 16:39	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	08/26/2002 16:39	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	08/26/2002 16:39	
Vinyl acetate	ND	25	ug/L	1.00	08/26/2002 16:39	
Vinyl chloride	ND	0.50	ug/L	1.00	08/26/2002 16:39	
Total xylenes	ND	1.0	ug/L	1.00	08/26/2002 16:39	
Surrogates(s)						
4-Bromofluorobenzene	100.3	86-115	%	1.00	08/26/2002 16:39	
1,2-Dichloroethane-d4	100.6	76-114	%	1.00	08/26/2002 16:39	
Toluene-d8	98.6	88-110	%	1.00	08/26/2002 16:39	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2002/08/26-01.60-041

Water

Test(s): 8260B

QC Batch # 2002/08/26-01.60

Date Extracted: 08/26/2002 12:41

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	08/26/2002 12:41	
Acetone	ND	50	ug/L	08/26/2002 12:41	
Benzene	ND	0.5	ug/L	08/26/2002 12:41	
Bromodichloromethane	ND	0.5	ug/L	08/26/2002 12:41	
Bromobenzene	ND	1.0	ug/L	08/26/2002 12:41	
Bromochloromethane	ND	1.0	ug/L	08/26/2002 12:41	
Bromoform	ND	0.5	ug/L	08/26/2002 12:41	
Bromomethane	ND	1.0	ug/L	08/26/2002 12:41	
2-Butanone(MEK)	ND	50	ug/L	08/26/2002 12:41	
n-Butylbenzene	ND	1.0	ug/L	08/26/2002 12:41	
sec-Butylbenzene	ND	1.0	ug/L	08/26/2002 12:41	
tert-Butylbenzene	ND	1.0	ug/L	08/26/2002 12:41	
Carbon disulfide	ND	5.0	ug/L	08/26/2002 12:41	
Carbon tetrachloride	ND	0.5	ug/L	08/26/2002 12:41	
Chlorobenzene	ND	0.5	ug/L	08/26/2002 12:41	
Chloroethane	ND	1.0	ug/L	08/26/2002 12:41	
2-Chloroethylvinyl ether	ND	5.0	ug/L	08/26/2002 12:41	
Chloroform	ND	1.0	ug/L	08/26/2002 12:41	
Chloromethane	ND	1.0	ug/L	08/26/2002 12:41	
2-Chlorotoluene	ND	0.5	ug/L	08/26/2002 12:41	
4-Chlorotoluene	ND	0.5	ug/L	08/26/2002 12:41	
Dibromochloromethane	ND	0.5	ug/L	08/26/2002 12:41	
1,2-Dichlorobenzene	ND	0.5	ug/L	08/26/2002 12:41	
1,3-Dichlorobenzene	ND	0.5	ug/L	08/26/2002 12:41	
1,4-Dichlorobenzene	ND	0.5	ug/L	08/26/2002 12:41	
1,3-Dichloropropane	ND	1.0	ug/L	08/26/2002 12:41	
2,2-Dichloropropane	ND	0.5	ug/L	08/26/2002 12:41	
1,1-Dichloropropene	ND	0.5	ug/L	08/26/2002 12:41	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/26/2002 12:41	
1,2-Dibromoethane	ND	0.5	ug/L	08/26/2002 12:41	
Dibromomethane	ND	0.5	ug/L	08/26/2002 12:41	
Dichlorodifluoromethane	ND	0.5	ug/L	08/26/2002 12:41	
1,1-Dichloroethane	ND	0.5	ug/L	08/26/2002 12:41	
1,2-Dichloroethane	ND	0.5	ug/L	08/26/2002 12:41	
1,1-Dichloroethene	ND	0.5	ug/L	08/26/2002 12:41	
cis-1,2-Dichloroethene	ND	0.5	ug/L	08/26/2002 12:41	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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Project: 268-1573

Received: 08/22/2002 17:15



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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2002/08/26-01.60

MB: 2002/08/26-01.60-041

Date Extracted: 08/26/2002 12:41

Compound	Conc.	RL	Unit	Analyzed	Flag
trans-1,2-Dichloroethene	ND	0.5	ug/L	08/26/2002 12:41	
1,2-Dichloropropane	ND	0.5	ug/L	08/26/2002 12:41	
cis-1,3-Dichloropropene	ND	0.5	ug/L	08/26/2002 12:41	
trans-1,3-Dichloropropene	ND	0.5	ug/L	08/26/2002 12:41	
Ethylbenzene	ND	0.5	ug/L	08/26/2002 12:41	
Hexachlorobutadiene	ND	1.0	ug/L	08/26/2002 12:41	
2-Hexanone	ND	50	ug/L	08/26/2002 12:41	
Isopropylbenzene	ND	0.5	ug/L	08/26/2002 12:41	
p-Isopropyltoluene	ND	1.0	ug/L	08/26/2002 12:41	
Methylene chloride	ND	5.0	ug/L	08/26/2002 12:41	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	08/26/2002 12:41	
Naphthalene	ND	1.0	ug/L	08/26/2002 12:41	
n-Propylbenzene	ND	1.0	ug/L	08/26/2002 12:41	
Styrene	ND	0.5	ug/L	08/26/2002 12:41	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	08/26/2002 12:41	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	08/26/2002 12:41	
Tetrachloroethene	ND	0.5	ug/L	08/26/2002 12:41	
Toluene	ND	0.5	ug/L	08/26/2002 12:41	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/26/2002 12:41	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/26/2002 12:41	
1,1,1-Trichloroethane	ND	0.5	ug/L	08/26/2002 12:41	
1,1,2-Trichloroethane	ND	0.5	ug/L	08/26/2002 12:41	
Trichloroethene	ND	0.5	ug/L	08/26/2002 12:41	
Trichlorofluoromethane	ND	1.0	ug/L	08/26/2002 12:41	
Trichlorotrifluoroethane	ND	0.5	ug/L	08/26/2002 12:41	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	08/26/2002 12:41	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	08/26/2002 12:41	
Vinyl acetate	ND	25	ug/L	08/26/2002 12:41	
Vinyl chloride	ND	0.5	ug/L	08/26/2002 12:41	
Total xylenes	ND	1.0	ug/L	08/26/2002 12:41	
Surrogates(s)					
4-Bromofluorobenzene	98.8	86-115	%	08/26/2002 12:41	
1,2-Dichloroethane-d4	98.4	76-114	%	08/26/2002 12:41	
Toluene-d8	102.2	88-110	%	08/26/2002 12:41	

Submission #: 2002-08-0470

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2002/08/26-01.60

LCS 2002/08/26-01.60-033
LCSD 2002/08/26-01.60-007

Extracted: 08/26/2002
Extracted: 08/26/2002

Analyzed: 08/26/2002 11:33
Analyzed: 08/26/2002 12:07

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Benzene	21.5	22.1	20.0	107.5	110.5	2.8	69-129	20			
Chlorobenzene	21.1	21.7	20.0	105.5	108.5	2.8	61-121	20			
1,1-Dichloroethene	20.1	20.4	20.0	100.5	102.0	1.5	65-125	20			
Toluene	21.0	22.4	20.0	105.0	112.0	6.5	70-130	20			
Trichloroethene	19.7	21.0	20.0	98.5	105.0	6.4	74-134	20			
Surrogates(s)											
4-Bromofluorobenzene	519	496	500	103.8	99.2		86-115				
1,2-Dichloroethane-d4	464	482	500	92.8	96.4		76-114				
Toluene-d8	512	513	500	102.4	102.6		88-110				

Submission #: 2002-08-0481

Volatile Organic Compounds by 8260B (Low Level)

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Sunol Maintenance Yard & Pump Station

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CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MY-4-GW	08/23/2002 07:30	Water	3
MY-TB	08/23/2002 07:45	Water	4

Submission #: 2002-08-0481

Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Prep(s): 5030B Test(s): 8260B
Sample ID: MY-4-GW Lab ID: 2002-08-0481 - 3
Sampled: 08/23/2002 07:30 Extracted: 8/26/2002 17:48
Matrix: Water QC Batch#: 2002/08/26-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	08/26/2002 17:48	
Acetone	ND	50	ug/L	1.00	08/26/2002 17:48	
Benzene	ND	0.50	ug/L	1.00	08/26/2002 17:48	
Bromodichloromethane	ND	0.50	ug/L	1.00	08/26/2002 17:48	
Bromobenzene	ND	1.0	ug/L	1.00	08/26/2002 17:48	
Bromochloromethane	ND	1.0	ug/L	1.00	08/26/2002 17:48	
Bromoform	ND	0.50	ug/L	1.00	08/26/2002 17:48	
Bromomethane	ND	1.0	ug/L	1.00	08/26/2002 17:48	
2-Butanone(MEK)	ND	50	ug/L	1.00	08/26/2002 17:48	
n-Butylbenzene	ND	1.0	ug/L	1.00	08/26/2002 17:48	
sec-Butylbenzene	ND	1.0	ug/L	1.00	08/26/2002 17:48	
tert-Butylbenzene	ND	1.0	ug/L	1.00	08/26/2002 17:48	
Carbon disulfide	ND	5.0	ug/L	1.00	08/26/2002 17:48	
Carbon tetrachloride	ND	0.50	ug/L	1.00	08/26/2002 17:48	
Chlorobenzene	ND	0.50	ug/L	1.00	08/26/2002 17:48	
Chloroethane	ND	1.0	ug/L	1.00	08/26/2002 17:48	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	08/26/2002 17:48	
Chloroform	ND	1.0	ug/L	1.00	08/26/2002 17:48	
Chloromethane	ND	1.0	ug/L	1.00	08/26/2002 17:48	
2-Chlorotoluene	ND	0.50	ug/L	1.00	08/26/2002 17:48	
4-Chlorotoluene	ND	0.50	ug/L	1.00	08/26/2002 17:48	
Dibromochloromethane	ND	0.50	ug/L	1.00	08/26/2002 17:48	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	08/26/2002 17:48	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	08/26/2002 17:48	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	08/26/2002 17:48	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	08/26/2002 17:48	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	08/26/2002 17:48	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	08/26/2002 17:48	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	08/26/2002 17:48	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	08/26/2002 17:48	
Dibromomethane	ND	0.50	ug/L	1.00	08/26/2002 17:48	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	08/26/2002 17:48	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	08/26/2002 17:48	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	08/26/2002 17:48	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	08/26/2002 17:48	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/26/2002 17:48	

Submission #: 2002-08-0481

Volatile Organic Compounds by 8260B (Low Level)

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CA DHS ELAP# 2496

Prep(s): 5030B Test(s): 8260B
 Sample ID: MY-4-GW Lab ID: 2002-08-0481 - 3
 Sampled: 08/23/2002 07:30 Extracted: 8/26/2002 17:48
 Matrix: Water QC Batch#: 2002/08/26-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/26/2002 17:48	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	08/26/2002 17:48	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/26/2002 17:48	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/26/2002 17:48	
Ethylbenzene	ND	0.50	ug/L	1.00	08/26/2002 17:48	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	08/26/2002 17:48	
2-Hexanone	ND	50	ug/L	1.00	08/26/2002 17:48	
Isopropylbenzene	ND	0.50	ug/L	1.00	08/26/2002 17:48	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	08/26/2002 17:48	
Methylene chloride	ND	5.0	ug/L	1.00	08/26/2002 17:48	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	08/26/2002 17:48	
Naphthalene	ND	1.0	ug/L	1.00	08/26/2002 17:48	
n-Propylbenzene	ND	1.0	ug/L	1.00	08/26/2002 17:48	
Styrene	ND	0.50	ug/L	1.00	08/26/2002 17:48	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/26/2002 17:48	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/26/2002 17:48	
Tetrachloroethene	ND	0.50	ug/L	1.00	08/26/2002 17:48	
Toluene	ND	0.50	ug/L	1.00	08/26/2002 17:48	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	08/26/2002 17:48	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	08/26/2002 17:48	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	08/26/2002 17:48	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	08/26/2002 17:48	
Trichloroethene	ND	0.50	ug/L	1.00	08/26/2002 17:48	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	08/26/2002 17:48	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	08/26/2002 17:48	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	08/26/2002 17:48	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	08/26/2002 17:48	
Vinyl acetate	ND	25	ug/L	1.00	08/26/2002 17:48	
Vinyl chloride	ND	0.50	ug/L	1.00	08/26/2002 17:48	
Total xylenes	ND	1.0	ug/L	1.00	08/26/2002 17:48	
Surrogates(s)						
4-Bromofluorobenzene	97.6	86-115	%	1.00	08/26/2002 17:48	
1,2-Dichloroethane-d4	106.8	76-114	%	1.00	08/26/2002 17:48	
Toluene-d8	103.2	88-110	%	1.00	08/26/2002 17:48	

Submission #: 2002-08-0481

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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Sunol Maintenance Yard & Pump Station

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CA DHS ELAP# 2496

Prep(s): 5030B Test(s): 8260B
Sample ID: MY-TB Lab ID: 2002-08-0481 - 4
Sampled: 08/23/2002 07:45 Extracted: 8/26/2002 13:15
Matrix: Water QC Batch#: 2002/08/26-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	08/26/2002 13:15	
Acetone	ND	50	ug/L	1.00	08/26/2002 13:15	
Benzene	ND	0.50	ug/L	1.00	08/26/2002 13:15	
Bromodichloromethane	ND	0.50	ug/L	1.00	08/26/2002 13:15	
Bromobenzene	ND	1.0	ug/L	1.00	08/26/2002 13:15	
Bromochloromethane	ND	1.0	ug/L	1.00	08/26/2002 13:15	
Bromoform	ND	0.50	ug/L	1.00	08/26/2002 13:15	
Bromomethane	ND	1.0	ug/L	1.00	08/26/2002 13:15	
2-Butanone(MEK)	ND	50	ug/L	1.00	08/26/2002 13:15	
n-Butylbenzene	ND	1.0	ug/L	1.00	08/26/2002 13:15	
sec-Butylbenzene	ND	1.0	ug/L	1.00	08/26/2002 13:15	
tert-Butylbenzene	ND	1.0	ug/L	1.00	08/26/2002 13:15	
Carbon disulfide	ND	5.0	ug/L	1.00	08/26/2002 13:15	
Carbon tetrachloride	ND	0.50	ug/L	1.00	08/26/2002 13:15	
Chlorobenzene	ND	0.50	ug/L	1.00	08/26/2002 13:15	
Chloroethane	ND	1.0	ug/L	1.00	08/26/2002 13:15	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	08/26/2002 13:15	
Chloroform	ND	1.0	ug/L	1.00	08/26/2002 13:15	
Chloromethane	ND	1.0	ug/L	1.00	08/26/2002 13:15	
2-Chlorotoluene	ND	0.50	ug/L	1.00	08/26/2002 13:15	
4-Chlorotoluene	ND	0.50	ug/L	1.00	08/26/2002 13:15	
Dibromochloromethane	ND	0.50	ug/L	1.00	08/26/2002 13:15	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	08/26/2002 13:15	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	08/26/2002 13:15	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	08/26/2002 13:15	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	08/26/2002 13:15	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	08/26/2002 13:15	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	08/26/2002 13:15	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	08/26/2002 13:15	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	08/26/2002 13:15	
Dibromomethane	ND	0.50	ug/L	1.00	08/26/2002 13:15	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	08/26/2002 13:15	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	08/26/2002 13:15	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	08/26/2002 13:15	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	08/26/2002 13:15	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/26/2002 13:15	

Submission #: 2002-08-0481

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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CA DHS ELAP# 2496

Prep(s): 5030B Test(s): 8260B
 Sample ID: MY-TB Lab ID: 2002-08-0481 - 4
 Sampled: 08/23/2002 07:45 Extracted: 8/26/2002 13:15
 Matrix: Water QC Batch#: 2002/08/26-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/26/2002 13:15	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	08/26/2002 13:15	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/26/2002 13:15	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/26/2002 13:15	
Ethylbenzene	ND	0.50	ug/L	1.00	08/26/2002 13:15	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	08/26/2002 13:15	
2-Hexanone	ND	50	ug/L	1.00	08/26/2002 13:15	
Isopropylbenzene	ND	0.50	ug/L	1.00	08/26/2002 13:15	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	08/26/2002 13:15	
Methylene chloride	ND	5.0	ug/L	1.00	08/26/2002 13:15	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	08/26/2002 13:15	
Naphthalene	ND	1.0	ug/L	1.00	08/26/2002 13:15	
n-Propylbenzene	ND	1.0	ug/L	1.00	08/26/2002 13:15	
Styrene	ND	0.50	ug/L	1.00	08/26/2002 13:15	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/26/2002 13:15	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/26/2002 13:15	
Tetrachloroethene	ND	0.50	ug/L	1.00	08/26/2002 13:15	
Toluene	ND	0.50	ug/L	1.00	08/26/2002 13:15	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	08/26/2002 13:15	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	08/26/2002 13:15	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	08/26/2002 13:15	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	08/26/2002 13:15	
Trichloroethene	ND	0.50	ug/L	1.00	08/26/2002 13:15	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	08/26/2002 13:15	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	08/26/2002 13:15	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	08/26/2002 13:15	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	08/26/2002 13:15	
Vinyl acetate	ND	25	ug/L	1.00	08/26/2002 13:15	
Vinyl chloride	ND	0.50	ug/L	1.00	08/26/2002 13:15	
Total xylenes	ND	1.0	ug/L	1.00	08/26/2002 13:15	
Surrogates(s)						
4-Bromofluorobenzene	99.6	86-115	%	1.00	08/26/2002 13:15	
1,2-Dichloroethane-d4	97.2	76-114	%	1.00	08/26/2002 13:15	
Toluene-d8	102.2	88-110	%	1.00	08/26/2002 13:15	

Submission #: 2002-08-0481

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

Attn.: Melissa Tumbleson
5801 Christie Avenue, Suite 600
Emeryville, CA 94608-1827
Phone: (510) 450-6124 Fax: (510) 547-5043

Project: 268-1573
Sunol Maintenance Yard & Pump Station

Received: 08/23/2002 16:50

SEVERN

TRENT

LABORATORY

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel: (925) 484-1919
Fax: (925) 484-1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2002/08/26-01.60-041

Water

Test(s): 8260B

QC Batch # 2002/08/26-01.60

Date Extracted: 08/26/2002 12:41

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	08/26/2002 12:41	
Acetone	ND	50	ug/L	08/26/2002 12:41	
Benzene	ND	0.5	ug/L	08/26/2002 12:41	
Bromodichloromethane	ND	0.5	ug/L	08/26/2002 12:41	
Bromobenzene	ND	1.0	ug/L	08/26/2002 12:41	
Bromochloromethane	ND	1.0	ug/L	08/26/2002 12:41	
Bromoform	ND	0.5	ug/L	08/26/2002 12:41	
Bromomethane	ND	1.0	ug/L	08/26/2002 12:41	
2-Butanone(MEK)	ND	50	ug/L	08/26/2002 12:41	
n-Butylbenzene	ND	1.0	ug/L	08/26/2002 12:41	
sec-Butylbenzene	ND	1.0	ug/L	08/26/2002 12:41	
tert-Butylbenzene	ND	1.0	ug/L	08/26/2002 12:41	
Carbon disulfide	ND	5.0	ug/L	08/26/2002 12:41	
Carbon tetrachloride	ND	0.5	ug/L	08/26/2002 12:41	
Chlorobenzene	ND	0.5	ug/L	08/26/2002 12:41	
Chloroethane	ND	1.0	ug/L	08/26/2002 12:41	
2-Chloroethylvinyl ether	ND	5.0	ug/L	08/26/2002 12:41	
Chloroform	ND	1.0	ug/L	08/26/2002 12:41	
Chloromethane	ND	1.0	ug/L	08/26/2002 12:41	
2-Chlorotoluene	ND	0.5	ug/L	08/26/2002 12:41	
4-Chlorotoluene	ND	0.5	ug/L	08/26/2002 12:41	
Dibromochloromethane	ND	0.5	ug/L	08/26/2002 12:41	
1,2-Dichlorobenzene	ND	0.5	ug/L	08/26/2002 12:41	
1,3-Dichlorobenzene	ND	0.5	ug/L	08/26/2002 12:41	
1,4-Dichlorobenzene	ND	0.5	ug/L	08/26/2002 12:41	
1,3-Dichloropropane	ND	1.0	ug/L	08/26/2002 12:41	
2,2-Dichloropropane	ND	0.5	ug/L	08/26/2002 12:41	
1,1-Dichloropropene	ND	0.5	ug/L	08/26/2002 12:41	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/26/2002 12:41	
1,2-Dibromoethane	ND	0.5	ug/L	08/26/2002 12:41	
Dibromomethane	ND	0.5	ug/L	08/26/2002 12:41	
Dichlorodifluoromethane	ND	0.5	ug/L	08/26/2002 12:41	
1,1-Dichloroethane	ND	0.5	ug/L	08/26/2002 12:41	
1,2-Dichloroethane	ND	0.5	ug/L	08/26/2002 12:41	
1,1-Dichloroethene	ND	0.5	ug/L	08/26/2002 12:41	
cis-1,2-Dichloroethene	ND	0.5	ug/L	08/26/2002 12:41	

Submission #: 2002-08-0481

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

Attn.: Melissa Tumbleson
5801 Christie Avenue, Suite 600
Emeryville, CA 94608-1827
Phone: (510) 450-6124 Fax: (510) 547-5043

Project: 268-1573
Sunol Maintenance Yard & Pump Station

Received: 08/23/2002 16:50

SEVERN
TRENT
LABORATORY

STL San Francisco
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Tel: (925) 484-1919
Fax: (925) 484-1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2002/08/26-01.60-041

Water

Test(s): 8260B

QC Batch # 2002/08/26-01.60

Date Extracted: 08/26/2002 12:41

Compound	Conc.	RL	Unit	Analyzed	Flag
trans-1,2-Dichloroethene	ND	0.5	ug/L	08/26/2002 12:41	
1,2-Dichloropropane	ND	0.5	ug/L	08/26/2002 12:41	
cis-1,3-Dichloropropene	ND	0.5	ug/L	08/26/2002 12:41	
trans-1,3-Dichloropropene	ND	0.5	ug/L	08/26/2002 12:41	
Ethylbenzene	ND	0.5	ug/L	08/26/2002 12:41	
Hexachlorobutadiene	ND	1.0	ug/L	08/26/2002 12:41	
2-Hexanone	ND	50	ug/L	08/26/2002 12:41	
Isopropylbenzene	ND	0.5	ug/L	08/26/2002 12:41	
p-Isopropyltoluene	ND	1.0	ug/L	08/26/2002 12:41	
Methylene chloride	ND	5.0	ug/L	08/26/2002 12:41	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	08/26/2002 12:41	
Naphthalene	ND	1.0	ug/L	08/26/2002 12:41	
n-Propylbenzene	ND	1.0	ug/L	08/26/2002 12:41	
Styrene	ND	0.5	ug/L	08/26/2002 12:41	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	08/26/2002 12:41	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	08/26/2002 12:41	
Tetrachloroethene	ND	0.5	ug/L	08/26/2002 12:41	
Toluene	ND	0.5	ug/L	08/26/2002 12:41	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/26/2002 12:41	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/26/2002 12:41	
1,1,1-Trichloroethane	ND	0.5	ug/L	08/26/2002 12:41	
1,1,2-Trichloroethane	ND	0.5	ug/L	08/26/2002 12:41	
Trichloroethene	ND	0.5	ug/L	08/26/2002 12:41	
Trichlorofluoromethane	ND	1.0	ug/L	08/26/2002 12:41	
Trichlorotrifluoroethane	ND	0.5	ug/L	08/26/2002 12:41	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	08/26/2002 12:41	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	08/26/2002 12:41	
Vinyl acetate	ND	25	ug/L	08/26/2002 12:41	
Vinyl chloride	ND	0.5	ug/L	08/26/2002 12:41	
Total xylenes	ND	1.0	ug/L	08/26/2002 12:41	
Surrogates(s)					
4-Bromofluorobenzene	98.8	86-115	%	08/26/2002 12:41	
1,2-Dichloroethane-d4	98.4	76-114	%	08/26/2002 12:41	
Toluene-d8	102.2	88-110	%	08/26/2002 12:41	

Submission #: 2002-08-0481

Volatile Organic Compounds by 8260B (Low Level)

Weiss Associates

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5801 Christie Avenue, Suite 600
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Project: 268-1573
Sunol Maintenance Yard & Pump Station

Received: 08/23/2002 16:50



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Tel: (925) 484-1919
Fax: (925) 484-1096
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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2002/08/26-01.60

LCS 2002/08/26-01.60-033

Extracted: 08/26/2002

Analyzed: 08/26/2002 11:33

LCSD 2002/08/26-01.60-007

Extracted: 08/26/2002

Analyzed: 08/26/2002 12:07

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Benzene	21.5	22.1	20.0	107.5	110.5	2.8	69-129	20			
Chlorobenzene	21.1	21.7	20.0	105.5	108.5	2.8	61-121	20			
1,1-Dichloroethene	20.1	20.4	20.0	100.5	102.0	1.5	65-125	20			
Toluene	21.0	22.4	20.0	105.0	112.0	6.5	70-130	20			
Trichloroethene	19.7	21.0	20.0	98.5	105.0	6.4	74-134	20			
Surrogates(s)											
4-Bromofluorobenzene	519	496	500	103.8	99.2		86-115				
1,2-Dichloroethane-d4	464	482	500	92.8	96.4		76-114				
Toluene-d8	512	513	500	102.4	102.6		88-110				



Weiss Associates

Environmental Science, Engineering and Management Services

5801 Christie Avenue, Suite 600, Emeryville, CA 94608

Phone: 510-450-6000 Fax: 510-547-5043

AquaTierra Associates Incorporated, DBA

Please send analytic results and a copy of the signed chain of custody form to:

MELISSA TUMBLESON
Project ID: 268-1573
Protocol No.: 0802prot2

LAB PERSONNEL:

Please Include QA/QC Data.
Specify method and detection limit in report.
Notify of anomalous peaks in GC or other scans.
Notify us of any questions or problems.

CHAIN-OF-CUSTODY RECORD AND ANALYTIC INSTRUCTIONS

Sampled by: LMS

Laboratory Name: STL San Francisco

Site Name: Sunol Maintenance Yard and Pump Station

Sample ID	Sample Date	Sample Time	# of Containers	Sample/ Container Type ¹	Volume	Preservative?	Filter? ²	Refrig? ³	Turn ⁴	Analyze for	Analytical Method	Special Instructions
MY-2-GW	8/22/02	0840	1 48	W/B W/V	1 L 40 mL	N HCl	N N	Y Y	N N	TPH-D TPH-G/BTEX/MTBE	8015 8015/8020	MTBE confirmation by MS
MY-2-GW		0840	1 28	W/B W/V	1 L 40 mL	HCl HCl	N N	Y Y	N N	O&G HVOCs	1664A 8260	
MY-3-S-5		1305	1	S/T	NA	N	N	Y	N	TPH-D, TPH-G, BTEX/MTBE O&G, HVOCs	8015, 8020 1664A, 8260	MTBE confirmation by MS
MY-3-S-10		1310	1	S/T	NA	N	N	Y	N	TPH-D, TPH-G, BTEX/MTBE O&G, HVOCs	8015, 8020 1664A, 8260	MTBE confirmation by MS
MY-3-S-15		1320	1	S/T	NA	N	N	Y	N	TPH-D, TPH-G, BTEX/MTBE O&G, HVOCs	8015, 8020 1664A, 8260	MTBE confirmation by MS
MY-3-S-20		1330	1	S/T	NA	N	N	Y	N	TPH-D, TPH-G, BTEX/MTBE O&G, HVOCs	8015, 8020 1664A, 8260	MTBE confirmation by MS
MY-3-GW		1350	1 48	W/B W/V	1 L 40 mL	N HCl	N N	Y Y	N N	TPH-D TPH-G/BTEX/MTBE	8015 8015/8020	MTBE confirmation by MS
MY-3-GW		1350	1 28	W/B W/V	1 L 40 mL	HCl HCl	N N	Y Y	N N	O&G HVOCs	1664A 8260	
MY-4-S-5		1145	1	S/T	NA	N	N	Y	N	TPH-D, TPH-G, BTEX/MTBE O&G, HVOCs	8015, 8020 1664A, 8260	MTBE confirmation by MS
MY-4-S-10	✓	1150	1	S/T	NA	N	N	Y	N	TPH-D, TPH-G, BTEX/MTBE O&G, HVOCs	8015, 8020 1664A, 8260	MTBE confirmation by MS

1 [Signature] 8/22/02 1715 2 [Signature] 8/22/02 @ 1715
Released by (Signature), Date, Time Received by (Signature), Date, Time
 1 Weiss Assoc. 2 (Affiliation) STL-SF
 3 4
Released by (Signature), Date, Time Received by (Signature), Date, Time
 3 (Affiliation) 4 (Affiliation)

1 = Sample Type Codes: W = Water, S = Soil, Describe Other; Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B - Clear/Brown Glass, Describe Other;
 Cap Codes: PT = Plastic, Teflon Lined 2 = Filtered (Y/N) 3 = Refrigerated (Y/N) 4 = Turnaround: N = Normal, W = 1 Week, R = 24 Hour, HOLD (write out)

= Samples stored in a secured, locked area.
 ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:



Environmental Science, Engineering and Management Services

5801 Christie Avenue, Suite 600, Emeryville, CA 94608

Phone: 510-450-6000 Fax: 510-547-5043

AquaTierra Associates Incorporated, DBA

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Protocol No.: 0802prot2

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CHAIN-OF-CUSTODY RECORD AND ANALYTIC INSTRUCTIONS

Sampled by: LMS

Laboratory Name: STL San Francisco

Site Name: Sunol Maintenance Yard and Pump Station

Sample ID	Sample Date	Sample Time	# of Containers	Sample/ Container Type ¹	Volume	Preservative?	Filter? ²	Refrig? ³	Turn ⁴	Analyze for	Analytical Method	Special Instructions
MY-1-S-5	8/22/02	0920	1	S/T	NA	N	N	Y	N	TPH-D, TPH-G, BTEX/MTBE O&G, HVOCs	8015, 8020 1664A, 8260	MTBE confirmation by MS
MY-1-S-10		0930	1	S/T	NA	N	N	Y	N	TPH-D, TPH-G, BTEX/MTBE O&G, HVOCs	8015, 8020 1664A, 8260	MTBE confirmation by MS
MY-1-S-15		0940	1	S/T	NA	N	N	Y	N	TPH-D, TPH-G, BTEX/MTBE O&G, HVOCs	8015, 8020 1664A, 8260	MTBE confirmation by MS
MY-1-S-20		1105	1	S/T	NA	N	N	Y	N	TPH-D, TPH-G, BTEX/MTBE O&G, HVOCs	8015, 8020 1664A, 8260	MTBE confirmation by MS
MY-1-GW		1615	1 4	W/B W/V	1 L 40 mL	N HCl	N N	Y Y	N N	TPH-D TPH-G/BTEX/MTBE	8015 8015/8020	MTBE confirmation by MS
MY-1-GW		1615	1 2	W/B W/V	1 L 40 mL	HCl HCl	N N	Y Y	N N	O&G HVOCs	1664A 8260	<i>(Handwritten)</i> 8/22/02
MY-2-S-5		0800	1	S/T	NA	N	N	Y	N	TPH-D, TPH-G, BTEX/MTBE O&G, HVOCs	8015, 8020 1664A, 8260	MTBE confirmation by MS
MY-2-S-10		0805	1	S/T	NA	N	N	Y	N	TPH-D, TPH-G, BTEX/MTBE O&G, HVOCs	8015, 8020 1664A, 8260	MTBE confirmation by MS
MY-2-S-15		0810	1	S/T	NA	N	N	Y	N	TPH-D, TPH-G, BTEX/MTBE O&G, HVOCs	8015, 8020 1664A, 8260	MTBE confirmation by MS
MY-2-S-20	↓	0815	1	S/T	NA	N	N	Y	N	TPH-D, TPH-G, BTEX/MTBE O&G, HVOCs	8015, 8020 1664A, 8260	MTBE confirmation by MS

1 *(Signature)* 8/22/02 1715 2 *(Signature)* 8/22/02 @ 1715
 1 (Affiliation) Weiss Assoc. 2 (Affiliation) STL-SF

3 4
 3 (Affiliation) 4 (Affiliation)

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MELISSA TUMBLESON
 Project ID: 268-1573
 Protocol No.: 0802prot2

LAB PERSONNEL:

Please include QA/QC Data.
 Specify method and detection limit in report.
 Notify of anomalous peaks in GC or other scans.
 Notify us of any questions or problems.

CHAIN-OF-CUSTODY RECORD AND ANALYTIC INSTRUCTIONS

Sampled by: LMS Laboratory Name: STL San Francisco Site Name: Sunol Maintenance Yard and Pump Station

Sample ID	Sample Date	Sample Time	# of Containers	Sample/ Container Type ¹	Volume	Preservative?	Filter? ²	Refrig? ³	Turn ⁴	Analyze for	Analytical Method	Special Instructions
MY-4-S-15	8/22/02	1155	1	S/T	NA	N	N	Y	N	TPH-D, TPH-G, BTEX/MTBE O&G, HVOCs	8015, 8020 1664A, 8260	MTBE confirmation by MS
MY-4-S-20	↓	1220	1	S/T	NA	N	N	Y	N	TPH-D, TPH-G, BTEX/MTBE O&G, HVOCs	8015, 8020 1664A, 8260	MTBE confirmation by MS
MY-4-GW	8/23/02	0730	1 48	W/B W/V	1 L 40 mL	N HCl	N N	Y Y	N N	TPH-D TPH-G/BTEX/MTBE	8015 8015/8020	MTBE confirmation by MS
MY-4-GW	↓	0730	1 28	W/B W/V	1 L 40 mL	HCl HCl	N N	Y Y	N N	O&G HVOCs	1664A 8260	
MY-TB	↓	0745	1	W/V	40 mL	HCl	N	Y	N	HVOCs	8260	
PS-1-S-5	(LMS) 8/22/02	1445	1	S/T	NA	N	N	Y	N	TPH-D, BTEX/MTBE O&G	8015, 8020 1664A	MTBE confirmation by MS
PS-1-S-10	(LMS) 8/22/02	1450	1	S/T	NA	N	N	Y	N	TPH-D, BTEX/MTBE O&G	8015, 8020 1664A	MTBE confirmation by MS
PS-1-S-15	8/22/02	1505	1	S/T	NA	N	N	Y	N	TPH-D, BTEX/MTBE O&G	8015, 8020 1664A	MTBE confirmation by MS
PS-1-S-20	8/23/02	0815	1	S/T	NA	N	N	Y	N	TPH-D, BTEX/MTBE O&G	8015, 8020 1664A	MTBE confirmation by MS
PS-1-GW	↓	0820	1 3	W/B W/V	1 L 40 mL	N HCl	N N	Y Y	Hold N	SVOCs BTEX/MTBE	8270 8020	HOLD MTBE confirmation by MS

1 Mattias 8/23/02 1650 2

1 (Affiliation) Weiss Assoc. 2 (Affiliation)

3 D. Harrington 8/23/02 @ 1650 4

3 (Affiliation) STL-SF 4 (Affiliation)

1 = Sample Type Codes: W = Water, S = Soil, Describe Other; Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other;
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= Samples stored in a secured, locked area.

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:



Weiss Associates

Environmental Science, Engineering and Management Services

5801 Christie Avenue, Suite 600, Emeryville, CA 94608

Phone: 510-450-6000 Fax: 510-547-5043

AguaTierra Associates Incorporated, DBA

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Protocol No.: 0802prot2

LAB PERSONNEL:

Please include QA/QC Data.

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CHAIN-OF-CUSTODY RECORD AND ANALYTIC INSTRUCTIONS

Sampled by: LMS

Laboratory Name: STL San Francisco

Site Name: Sunol Maintenance Yard and Pump Station

Sample ID	Sample Date	Sample Time	# of Containers	Sample/ Container Type ¹	Volume	Preservative?	Filter? ²	Refrig? ³	Turn ⁴	Analyze for	Analytical Method	Special Instructions
PS-1-GW	8/23/02	0820	1	W/B	1 L	HCl	N	Y	RUSH	O&G	1664A	RUSH
			1	W/B	1 L	N	N	Y	3-day	TPH-D	8015	
PS-2-S-5		1300	1	S/T	NA	N	N	Y	N	TPH-D, BTEX/MTBE	8015, 8020	MTBE confirmation by MS
										O&G	1664A	
PS-2-S-10		1305	1	S/T	NA	N	N	Y	N	TPH-D, BTEX/MTBE	8015, 8020	MTBE confirmation by MS
										O&G	1664A	
PS-2-S-15		1315	1	S/T	NA	N	N	Y	N	TPH-D, BTEX/MTBE	8015, 8020	MTBE confirmation by MS
										O&G	1664A	
PS-2-S-20		1340	1	S/T	NA	N	N	Y	N	TPH-D, BTEX/MTBE	8015, 8020	MTBE confirmation by MS
										O&G	1664A	
PS-2-GW		1345	1	W/B	1 L	N	N	Y	Hold	SVOCs	8270	HOLD
			3	W/V	40 mL	HCl	N	Y	N	BTEX/MTBE	8020	MTBE confirmation by MS
PS-2-GW		1345	1	W/B	1 L	HCl	N	Y	RUSH	O&G	1664A	RUSH
			1	W/B	1 L	N	N	Y	3-day	TPH-D	8015	
PS-3-S-5		1120	1	S/T	NA	N	N	Y	N	TPH-D, BTEX/MTBE	8015, 8020	MTBE confirmation by MS
										O&G	1664A	
PS-3-S-10		1125	1	S/T	NA	N	N	Y	N	TPH-D, BTEX/MTBE	8015, 8020	MTBE confirmation by MS
										O&G	1664A	
PS-3-S-15		1130	1	S/T	NA	N	N	Y	N	TPH-D, BTEX/MTBE	8015, 8020	MTBE confirmation by MS
										O&G	1664A	

1 M. Tumbleson 8/23/02 1650

2 _____

1 (Affiliation) Weiss Assoc.

2 (Affiliation) _____

3 M. Tumbleson 8/23/02 1650

4 _____

3 (Affiliation) STL-SF

4 (Affiliation) _____

1 = Sample Type Codes: W = Water, S = Soil, Describe Other;

Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B - Clear/Brown Glass, Describe Other;

Cap Codes: PT = Plastic, Teflon Lined

2 = Filtered (Y/N)

3 = Refrigerated (Y/N)

4 = Turnaround: N = Normal, W = 1 Week, R = 24 Hour, HOLD (write out)

= Samples stored in a secured, locked area.

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

Please send analytic results and a copy of the signed chain of custody form to:

MELISSA TUMBLESON
 Project ID: 268-1573
 Protocol No.: 0802prot2

LAB PERSONNEL:

Please Include QA/QC Data.
 Specify method and detection limit in report.
 Notify of anomalous peaks in GC or other scans.
 Notify us of any questions or problems.

CHAIN-OF-CUSTODY RECORD AND ANALYTIC INSTRUCTIONS

Sampled by: LMS

Laboratory Name: STL San Francisco

Site Name: Sunol Maintenance Yard and Pump Station

Sample ID	Sample Date	Sample Time	# of Containers	Sample/ Container Type ¹	Volume	Preservative?	Filter? ²	Refrig? ³	Turn ⁴	Analyze for	Analytical Method	Special Instructions
PS-3-S-20	8/23/02	1150	1	S/T	NA	N	N	Y	N	TPH-D, BTEX/MTBE O&G	8015, 8020 1664A	MTBE confirmation by MS
PS-3-GW	↓	1230	1 3	W/B W/V	1 L 40 mL	N HCl	N N	Y Y	Hold N	SVOCs BTEX/MTBE	8270 8020	HOLD MTBE confirmation by MS
PS-3-GW	↓	1230	1 1	W/B W/B	1 L 1 L	HCl N	N N	Y Y	RUSH 3-day	O&G TPH-D	1664A 8015	RUSH
PS-4-S-5	8/22/02	1530	1	S/T	NA	N	N	Y	N	TPH-D, BTEX/MTBE O&G	8015, 8020 1664A	MTBE confirmation by MS
PS-4-S-10	↓	1540	1	S/T	NA	N	N	Y	N	TPH-D, BTEX/MTBE O&G	8015, 8020 1664A	MTBE confirmation by MS
PS-4-S-15	8/23/02	0910	1	S/T	NA	N	N	Y	N	TPH-D, BTEX/MTBE O&G	8015, 8020 1664A	MTBE confirmation by MS
PS-4-S-20	↓	0920	1	S/T	NA	N	N	Y	N	TPH-D, BTEX/MTBE O&G	8015, 8020 1664A	MTBE confirmation by MS
PS-4-GW	↓	1015	1 3	W/B W/V	1 L 40 mL	N HCl	N N	Y Y	Hold N	SVOCs BTEX/MTBE	8270 8020	HOLD MTBE confirmation by MS
PS-4-GW	↓	1015	1 1	W/B W/B	1 L 1 L	HCl N	N N	Y Y	RUSH 3-day	O&G TPH-D	1664A 8015	RUSH
PS-5-S-5	↓	1025	1	S/T	NA	N	N	Y	N	TPH-D, BTEX/MTBE O&G	8015, 8020 1664A	MTBE confirmation by MS

1 Released by (Signature), Date, Time: [Signature] 8/23/02 1650 2 Received by (Signature), Date, Time:

1 (Affiliation): Weiss Assoc 2 (Affiliation):

3 Released by (Signature), Date, Time: D. Hamilton 8/23/02 @ 1650 4 Received by (Signature), Date, Time:

3 (Affiliation): STL-SF 4 (Affiliation):

1 = Sample Type Codes: W = Water, S = Soil, Describe Other; Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B - Clear/Brown Glass, Describe Other;
 Cap Codes: PT = Plastic, Teflon Lined 2 = Filtered (Y/N) 3 = Refrigerated (Y/N) 4 = Turnaround: N = Normal, W = 1 Week, R = 24 Hour, HOLD (write out)

= Samples stored in a secured, locked area.

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:



Weiss Associates

Environmental Science, Engineering and Management Services

5801 Christie Avenue, Suite 600, Emeryville, CA 94608
Phone: 510-450-6000 Fax: 510-547-5043

AguaTierra Associates Incorporated, DBA

Please send analytic results and a copy of the signed chain of custody form to:

MELISSA TUMBLESON
Project ID: 268-1573
Protocol No.: 0802prot2

LAB PERSONNEL:

Please Include QA/QC Data.
Specify method and detection limit in report.
Notify of anomalous peaks in GC or other scans.
Notify us of any questions or problems.

CHAIN-OF-CUSTODY RECORD AND ANALYTIC INSTRUCTIONS

Sampled by: LMS

Laboratory Name: STL San Francisco

Site Name: Sunol Maintenance Yard and Pump Station

Sample ID	Sample Date	Sample Time	# of Containers	Sample/ Container Type ¹	Volume	Preservative?	Filter? ²	Refrig? ³	Turn ⁴	Analyze for	Analytical Method	Special Instructions
PS-5-S-10	STL 8/23/02	1030	1	S/T	NA	N	N	Y	N	TPH-D, BTEX/MTBE O&G	8015, 8020 1664A	MTBE confirmation by MS
PS-5-S-15	STL (circled)	1035	1	S/T	NA	N	N	Y	N	TPH-D, BTEX/MTBE O&G	8015, 8020 1664A	MTBE confirmation by MS
PS-5-S-20	STL	1040	1	S/T	NA	N	N	Y	N	TPH-D, BTEX/MTBE O&G	8015, 8020 1664A	MTBE confirmation by MS
PS-5-GW	STL	1100	1 3	W/B W/V	1 L 40 mL	N HCl	N N	Y Y	Hold N	SVOCs BTEX/MTBE	8270 8020	HOLD MTBE confirmation by MS
PS-5-GW	STL	1100	1 1	W/B W/B	1 L 1 L	HCl N	N N	Y Y	RUSH 3-day	O&G TPH-D	1664A 8015	RUSH
PS-TB	STL ↓ ↓	1320	1 2	W/B V	1 L 40ml	N	N	Y	Hold	(Plus) SVOCs BTEX	(Plus) 8270 8020	HOLD
MY-1-GW	8/23/02	0715	1	W/B	1 L	HCl	N	Y	N	O & G	1664A	

(circled)
(circled)

1. [Signature] 8/23/02 1650 2.

1 (Affiliation) Weiss Assoc. 2 (Affiliation)

3. [Signature] 8/23/02@1650 4.

3 (Affiliation) STL-SF 4 (Affiliation)

1 = Sample Type Codes: W = Water, S = Soil, Describe Other; Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B - Clear/Brown Glass, Describe Other;
Cap Codes: PT = Plastic, Teflon Lined 2 = Filtered (Y/N) 3 = Refrigerated (Y/N) 4 = Turnaround: N = Normal, W = 1 Week, R = 24 Hour, HOLD (write out)

= Samples stored in a secured, locked area.
ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:



WEISS ASSOCIATES

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Site	PID/RID	Sampler Type	Blows / 6 Inches	Inches Driven	Inches Recov'd	Sample Cond.	Boring Diameter	Conduct. Casing	Sand / Grout	Well Casing	Depth (ft)	Recovery	Contact	Project / Job No.	Borehole/Well No.
				12	0		2"				0.1			248-1573	MY-1
					12						0.2				
											0.3				
											0.4				
											0.5				
											0.6				
											0.7				
											0.8				
											0.9				
											1.0				
											1.1				
											1.2				
											1.3				
											1.4				
											1.5				
											1.6				
											1.7				
											1.8				
											1.9				
											2.0				

LOGGED BY LMS

(0-1) NO RECOVERY

(1-4) SANDY GRAVEL (GW);
 DARK YELLOW BROWN (10YR 4/4);
 LOOSE; DRY TO DAMP; <10%
 FINES; 40-50% FINE-COARSE
 SAND, 50-60% FINE-COARSE
 GRAVEL; NON-PLASTIC; VHEK

(4-8) SAND (SP); DARK YELLOW
 BROWN (10YR 4/4); LOOSE; DAMP
 TO MOIST; 80-90% FINE TO MED.
 SAND, <10% FINES, 10-20%
 FINE-MED. GRAVEL; NON-
 PLASTIC; HEK

(8-18) GRAVELLY SAND (SW);
 DARK YELLOW BROWN (10YR 4/4);
 LOOSE; DAMP TO MOIST; <10%
 FINES; 60-70% FINE-COARSE
 SAND; 30-40% FINE-MED.
 GRAVEL; NON-PLASTIC; VHEK

1600;
DTW @ 27.5 BGS

TD @ 24' ~~INTERPOLATED~~ 30'
 @ 18' → LARGE COBBLES
 @ 19' → COLOR CHANGES TO
 7.5YR 5/8 FOR 0.5'

(18-24) SANDY GRAVEL (GW);
 DARK YEL. BROWN (10YR 4/4); LOOSE;
 DAMP TO MOIST, <10% FINES, 30-40%
 FINE-COARSE SAND 60-70% FINE TO COARSE

NOTE:
HOLE
ANGLE

MY-1-S-5
 FROM
 PERPENDICULAR
 ALL DEPTHS GIVEN
 ARE PARALLEL TO
 DRILL STRING.

GROUT

22-24 BGS

20

TO 24 BGS

ZONE 7
DEPT 2710

SUNOL
MAINT. YARD

8/20/02
GREGG DRILLING
DRILLER: PAUL
Page 1 of 1



WEISS ASSOCIATES

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Sample	PID/PID	Sampler Type	Blows / 6 inches	Inches Driven	Inches Recov'd	Sample Cond.	Boring Diameter	Conduct. Casing	Sand / Grout	Well Casing	Depth (ft)	Recovery	Contact	Project / Job No.	Borehole/Well No.
				120			2"		GROUT		0.1			368-1573	ML-2
											0.2				
											0.3				
											0.4				
											0.5				
S-8-e-5											0.6				(10yr 1/4)
ML-2-e-10											0.7				(? - 11.5') SAND (SP); DARK YELLOW BROWN; DRY TO DAMP; LOOSE; 70-80% FINE-MED SAND, <10% FINES, 10-20% COARSE SAND TO FINE GRAVEL; NON-PLASTIC; HETK
											0.8				
											0.9				
											1.0				
											1.1				
											1.2				(11.5' - 24') GRAVELLY SAND (SP); DARK YELLOW BROWN (10yr 1/4); DAMP TO MOIST; LOOSE; 60-70% FINE TO COARSE SAND, <10% FINES, 20-30% FINE TO COARSE GRAVEL; NON-PLASTIC; VHER
											1.3				
											1.4				
S-1-8-e-15											1.5				
ML-2-e-10											1.6				
											1.7				
											1.8				DTW @ 0820 = 27' BGS
											1.9				
ML-2-e-10											2.0				TD @ 24'

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Sample	PID/FID	Sampler Type	Blows / 6 Inches	Inches Driven	Inches Recov'd	Sample Cond.	Boring Diameter	Conduct. Casing	Sand / Grout	Well Casing	Depth (ft)	Recovery	Contact	Project / Job No.	Borehole/Well No.
				12	6		2"		GRAUT		0.1			208-1573	114-3
					12						0.2				
											0.3				
											0.4				
114-3-S-5											0.5				
											0.6				
											0.7				
											0.8				
											0.9				
114-3-S-10											1.0				
											1.1				
											1.2				
											1.3				
114-4-S-15											1.4				
											1.5				
											1.6				
											1.7				
											1.8				
114-4-S-20											1.9				
											2.0				

LOGGED BY LMS
 (0-0.5!) NO RECOVERY
 (0.5-5.5) SILTY SAND (SM);
 BROWN (10YR 4/3); SOFT; DRY TO
 DAMP; 10-20% SILTY FINES,
 70-80% FINE-MED. SAND, ~10%
 FINE GRAVEL; NON-PLASTIC; MEK

(LMS) 8/22/02
 (5.5-11) SAND (SP); DARK YEL.
 BROWN (10YR 4/4); LOOSE; DRY
 TO DAMP; <10% FINES, 80-90%
 FINE-MED. SAND, 10-20% COARSE
 SAND TO FINE GRAVEL; NON-
 PLASTIC; MEK

(11-20.5) GRAVELLY SAND (SW);
 DARK YELLOW BROWN (10YR 4/4);
 LOOSE; DRY TO DAMP; <10% FINES
 60-70% FINE-COARSE SAND,
 30-40% FINE-COARSE GRAVEL;
 NON-PLASTIC; VHEK

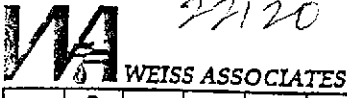
(20.5-24) SANDY GRAVEL (GW);
 AS ABOVE, BUT SAND-
 GRAVEL RATIO REVERSED.

DTW @ 21.5 @ 1330

TD @ 24'

114-3-S-5

114-4-S-20



BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Site	PID/FID	Sampler Type	Blows / 6 Inches	Inches Driven	Inches Recov'd	Sample Cond.	Boring Diameter	Conduct. Casing	Sand / Grout	Well Casing	Depth (ft)	Recovery	Contact	Project / Job No.	Borehole/Well No.
				12	6		2"				0.1			208-1573	NY-4
					12						0.2				
											0.3				
											0.4				
											0.5				
											0.6				
											0.7				
											0.8				
											0.9				
											1.0				
											1.1				
											1.2				
											1.3				
											1.4				
											1.5				
											1.6				
											1.7				
											1.8				
											1.9				
											2.0				

Notes: L14-4-S-5
NO RECOVERY 0-0.5'
(0.5-6) GRAVELLY SAND (SW);
DARK BROWN (10YR 3/3); DENSE;
DRY TO DAMP; ~10% FINES,
60-70% FINE-MED. SAND,
30-40% COARSE SAND & FINE
GRAVEL, OCCASIONAL COBBLE
(UP TO 5cm DIAM.); NON-PLASTIC;
VHEK

(6-9) SAND (SP); DARK YELLOW
BROWN (10YR 4/4); LOOSE;
DRY TO DAMP; <10% FINES;
80-90% FINE-MED. SAND,
10-20% FINE GRAVEL; NON-
PLASTIC; HEK

(9-20) GRAVELLY SAND (SW);
DARK YELLOW BROWN (10YR 4/4);
LOOSE; DRY TO DAMP; <10%
FINES, 60-70% FINE-COARSE
SAND, 30-40% FINE TO COARSE
GRAVEL; NON-PLASTIC; VHEK

(@ 22.5' BGS COLOR CHANGE
TO GREY (5Y 5/1)
@ 20' BGS → SOIL BECOMES
VERY INDURATED.
DENSE LIKE CONCRETE.
CAUICHE?
(SEE COLOR CHANGE)

TD @ 24'
DTW on 8/23/02 @ 0700: 22.5'

CD 23-24'