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March 1, 2005

Alomodo County

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Environmental Health

REPORT

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SOIL AND GROUNDWATER ASSESSMENT ASE JOB NO. 3788

> a t 1455 5th Street Oakland, California

Submitted by: AQUA SCIENCE ENGINEERS, INC. 208 West El Pintado Danville, CA 94526 (925) 820-9391

TABLE OF CONTENTS

SECTI	ON		PAGE
1.0	INTRO:	DUCTION	1
2.0	BACKO	GROUND INFORMATION	1
3.0	SCOPE	OF WORK	1
4.0	DRILL	SOIL BORINGS AND COLLECT SAMPLES	2
	4.1 4.2 4.3 4.4 4.5	Groundwater Sample Collection Decontamination and Borehole Backfilling	2 2 3 3 3
5.0	ANALY	TICAL RESULTS FOR SOIL	4
6.0	ANALY	TICAL RESULTS FOR GROUNDWATER	4
7.0	CONCL	LUSIONS	5
8.0	RECON	IMENDATIONS	5
9.0	REPOR	TLIMITATIONS	6
LIST O	E FIGU F	RES	
FIGURE	1	SITE LOCATION MAP	
FIGURE	2	SITE PLAN	
LIST O	F TABL	ES	
TABLE	ONE	CERTIFIED ANALYTICAL RESULTS FOR SOIL SA	AMPLES
TABLE	ΓWO	CERTIFIED ANALYTICAL RESULTS FOR WATER	R SAMPLES

LIST OF APPENDICES

APPENDIX A DRILLING PERMIT

APPENDIX B BORING LOGS

APPENDIX C ANALYTICAL REPORT AND CHAIN OF CUSTODY FORMS

FOR SOIL AND GROUNDWATER SAMPLES

1.0 INTRODUCTION

This report presents Aqua Science Engineers, Inc. (ASE)'s methods and findings for a soil and groundwater assessment at 1455 5th Street in Oakland, California (Figure 1). The proposed site assessment activities were initiated by Mr. Andy Hall and Ms. Jean Hall, owners of the property, as required by the Alameda County Health Care Services Agency (ACHCSA) in their letter dated August 27, 2004. The intent of this project was to satisfy the ACHCSA so that, assuming the analytical results are favorable, a no further action letter without restrictions could be written.

2.0 BACKGROUND INFORMATION

For complete background information on this property, please refer to the Phase I Environmental Site Assessment prepared by ASE dated July 20, 2004 and the Final Report of Environmental Remediation Activities prepared by ASE dated January 15, 2004.

3.0 SCOPE OF WORK (SOW)

Based on the requirements of the ACHCSA, ASE's scope of work was to:

- 1) Obtain a drilling permit from the Alameda County Public Works Agency (ACPWA).
- 2) Notify Underground Service Alert (USA) to have underground utility lines located prior to drilling.
- 3) Drill four soil borings at the site and collect soil and groundwater samples for analysis.
- 4) Analyze one soil and one groundwater sample from each boring at a state certified analytical laboratory for total petroleum hydrocarbons as diesel (TPH-D), motor oil (TPH-MO) and gasoline (TPH-G) by EPA Method 8015, petroleum oil and grease (POG) by Standard Method 5520, volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene and total xylenes (collectively known as BTEX) and fuel oxygenates by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, and CAM 17 metals.
- 5) Following collection of the soil and groundwater samples, backfill each boring with neat cement to the ground surface.

Hall Property Soil and Groundwater Assessment Report - March 2005

6) Prepare a report presenting results from this assessment.

4.0 DRILL SOIL BORINGS AND COLLECT SAMPLES

4.1 Permits

Prior to drilling, ASE obtained a drilling permit from the ACPWA. ASE also notified Underground Service Alert (USA) to have underground utility lines marked in the site vicinity. A copy of the drilling permit is included in Appendix A.

4.2 Drilling and Soil Sample Collection

On January 31, 2005, Vironex, Inc. of San Leandro, California drilled soil borings BH-A through BH-D at the site using a Geoprobe hydraulic sampling rig (Figure 2). The drilling was directed by ASE senior geologist Robert E. Kitay, R.G.

Undisturbed soil samples were collected continuously as drilling progressed for lithologic and hydrogeologic description and for possible chemical analysis. The samples were collected by driving a sampler lined with acetate tubes using hydraulic direct push methods. Selective soil samples were immediately cut, sealed with Teflon tape and plastic end caps, labeled and chilled with ice for transport to McCampbell Analytical, Inc. of Pacheco, California (CA DHS ELAP #1644) under chain of custody.

Soil from the remaining tubes was described by the site geologist using the Unified Soil Classification System (USCS) and was screened for volatile compounds using a photoionization detector (PID). The soil was screened by emptying soil from one of the sample tubes into a plastic bag. The bag was then sealed and placed in the sun for approximately 10 minutes. After the VOCs were allowed to volatilize, the PID measured the vapor in the bag through a small hole punched in the bag. PID readings are used as a screening tool only, since the procedures are not as rigorous as those used in the laboratory. The PID readings are shown on the boring logs presented in Appendix B.

4.3 Groundwater Sample Collection

Groundwater samples were removed from the borings with new, unused polyethylene bailers. The groundwater samples collected for VOC analyses were contained in 40-ml volatile organic analysis (VOA) vials, preserved with hydrochloric acid, and sealed without headspace. The groundwater samples collected for non-volatile analyses were contained in 1-liter amber glass bottles. The samples were labeled and chilled with ice for transport to McCampbell Analytical, Inc. under chain of custody.

4.4 Decontamination and Borehole Backfilling

Drilling equipment was cleaned with an Alconox solution between sampling intervals and between borings to prevent potential cross-contamination. Following collection of the soil and groundwater samples, each boring was backfilled with neat cement to the ground surface.

4.5 Subsurface Lithology and Hydrogeology

Sediments encountered during drilling consisted predominantly of gravelly silt from the ground surface to approximately 2-feet below ground surface (bgs) and silty sand from 2-feet bgs to the total depth explored of approximately 16-feet bgs. Groundwater was encountered at depths ranging from approximately 10.5-feet bgs to approximately 12-feet bgs. Boring logs are presented as Appendix B.

5.0 ANALYTICAL RESULTS FOR SOIL

One soil sample collected from each boring was analyzed by McCampbell Analytical, Inc. for total petroleum hydrocarbons as diesel (TPH-D), motor oil (TPH-MO) and gasoline (TPH-G) by EPA Method 8015, petroleum oil and grease (POG) by Standard Method 5520, volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene and total xylenes (collectively known as BTEX) and fuel oxygenates by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, and CAM 17 metals.

The soil sample collected from approximately 11.5-feet bgs in borings BH-A and BH-B and 10.0-feet bgs in borings BH-C and BH-D were selected for analysis. These samples were selected since they best represented the capillary zone in each boring. There was no indication of contamination in any of the borings. The analytical results are tabulated in Table One, and the certified analytical report and chain of custody forms are included in Appendix C.

No hydrocarbons, VOCs or SVOCs were detected in any of the soil samples analyzed. Metal concentrations detected in the samples were compared to environmental screening levels (ESLs) as presented in "Screening for Soil Sites with Contaminated Environmental Concerns at document prepared by the California Regional Water Groundwater" Quality Control Board, San Francisco Bay Region (RWQCB) dated July The only metal concentration detected at a concentration 2003. exceeding ESLs was chromium in the sample collected from 10.0-feet bgs in boring BH-D. However, this chromium ESL assumes that a portion of the chromium is related to the more toxic and less common chromium IV, which we have no reason to expect at the site. This chromium concentration did not exceed the ESL for the more common chromium III.

6.0 ANALYTICAL RESULTS FOR GROUNDWATER

One water sample collected from each boring was analyzed by McCampbell Analytical, Inc. for TPH-D, TPH-MO and TPH-G by EPA Method 8015, POG by Standard Method 5520, VOCs by EPA Method 8260, SVOCs by EPA Method 8270, and dissolved CAM 17 metals. The analytical results are tabulated in Table Two, and the certified analytical report and chain of custody forms are included in Appendix C.

The only VOC that exceeded an ESL was total xylenes in boring BH-B, where the total xylenes concentration of 16 parts per billion (ppb) slightly

exceeded the ESL of 13 ppb. This concentration was well below the maximum contaminant level for drinking level of 1,750 ppb.

The only metal concentrations that exceeded ESLs were cobalt and nickel. ASE has no information on the background concentrations of these metals in the site vicinity. However, the ESLs for these metals were established based on fresh water aquatic habitat goals, which should not apply for this site based on the site location. The highest nickel concentration detected of 11 ppb is well below the DHS MCL for drinking water of 100 ppb. There is no MCL established for cobalt; however, the cobalt concentrations are well below ESL values in non-fresh water habitat scenarios including drinking water toxicity.

7.0 CONCLUSIONS

No hydrocarbons, VOCs or SVOCs were detected in any of the soil samples analyzed. The only metal concentration detected at a concentration exceeding ESLs was chromium in the sample collected from 10.0-feet bgs in boring BH-D. However, this chromium ESL assumes that a portion of the chromium is related to the more toxic and less common chromium IV, which we have no reason to expect at the site. The chromium concentration did not exceed the ESL for the more common chromium III, which is 2,500 ppm.

The only VOC in groundwater that exceeded an ESL was total xylenes in boring BH-B, where the total xylenes concentration of 16 ppb slightly exceeded the ESL of 13 ppb. The only metal concentrations that exceeded ESLs were cobalt and nickel. However, these ESLs were established based on fresh water aquatic habitat goals, which should not apply for this site based on the site location. None of the VOC or metal concentrations detected exceeded ESLs for other criteria, including for drinking water.

8.0 RECOMMENDATIONS

Based on the analytical results from this assessment, as well as the results from the previous remediation project at the site, it appears that this site is now suitable for case closure. ASE recommends that a no further action letter allowing for unrestricted usage for the property be written by the ACHCSA.

9.0 REPORT LIMITATIONS

The results presented within this report represent conditions at the time of the soil and groundwater sampling, at the specific locations where the samples were collected, and for the specific parameters analyzed by the laboratory.

This report does not fully characterize the site for contamination resulting from unknown sources or for parameters not analyzed by the laboratory. All of the laboratory work cited in this report was prepared under the direction of an independent CAL-DHS certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.

Aqua Science Engineers appreciates the opportunity to provide environmental consulting services for this project. Should you have any questions or comments, please feel free to call us at (925) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

Robert E. Kitay, R.G., R.E.A.

had E. Kitons

Senior Geologist

Attachments: Figures 1 and 2

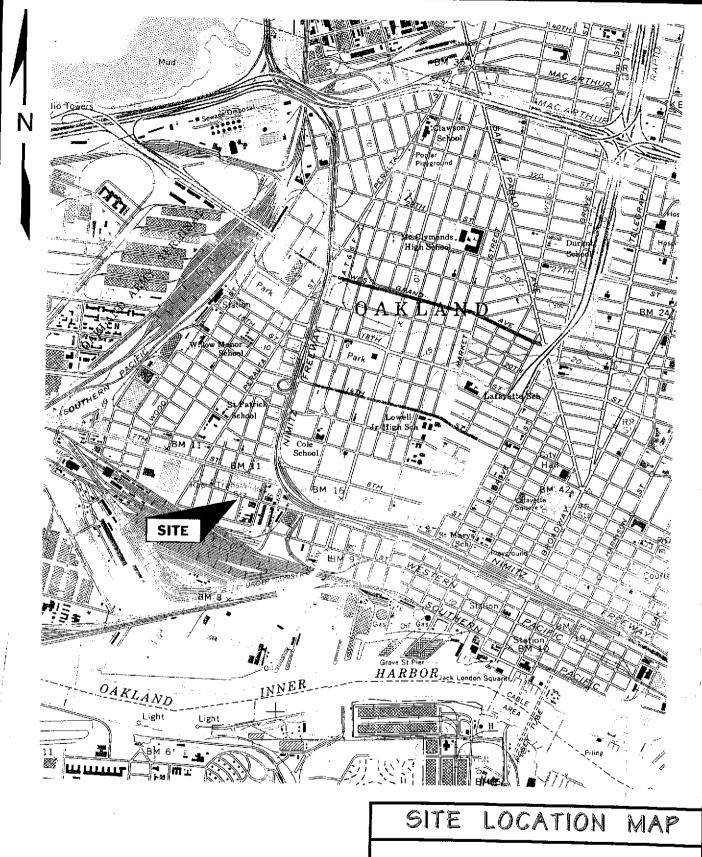
Tables One and Two Appendices A through C

cc: Mr. Barney Chan, Alameda County Health Care Services Agency, 1131 Harbor Bay Parkway, Alameda, CA 94502-6577

Mr. Andy Hall, Chemical Compounding Company, 791 66th Avenue, Oakland, CA 94621

Ms. Jean Hall, 277 Castle Hill Ranch Road, Walnut Creek, CA 94595

Ms. Betty Graham, California Regional Water Quality Control Board, San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, CA 94612



Scale: 1 inch = 2,000 feet

1455 5th Street Oakland, CA 94621

Aqua Science Engineers

Figure 1

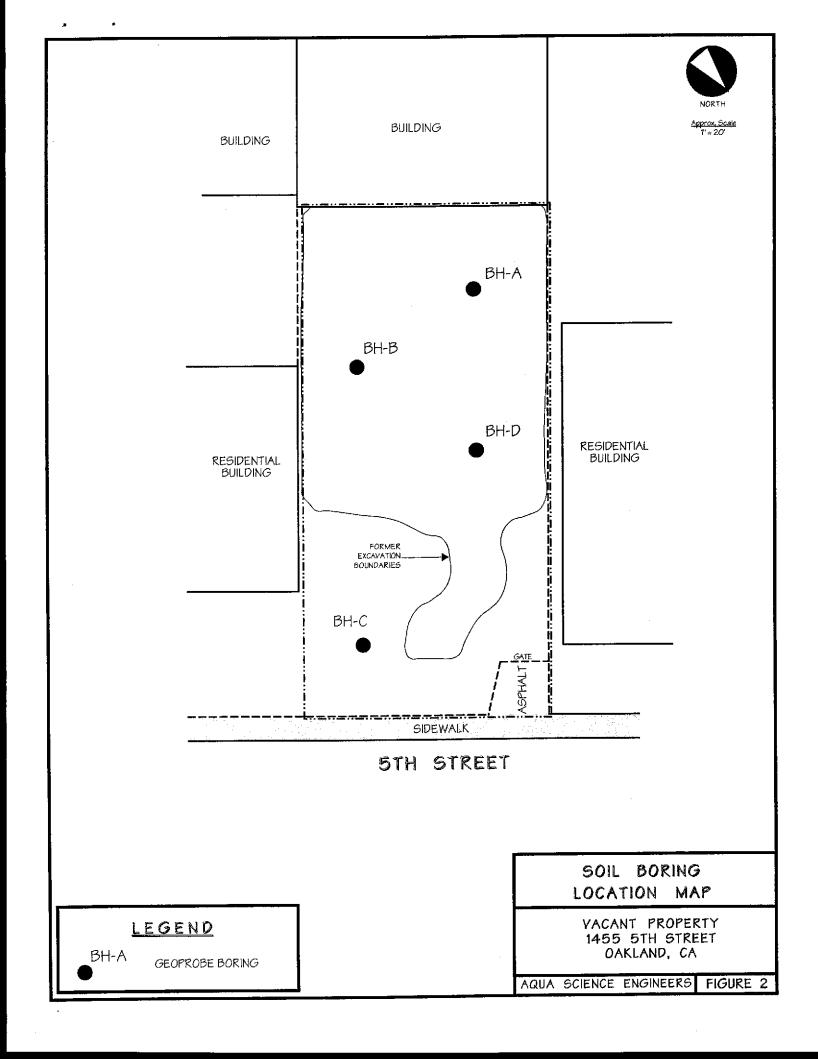


TABLE ONE

Summary of Analyses of Soil Samples CAM 17 Metals, Hydrocarbons, VOCs and SVOCs 1455 5th Street, Oakland, CA

All results are in parts per million (ppm)

COMPOUND	BH-A 11.5'	BH-B 11.5'	BH-C 10.0*	BH-D 10.0'	ESL
CAM 17 METALS					
Antimony	< 0.5	< 0.5	< 0.5	< 0.5	610
Arsenic	2,4	2.3	2.8	3.5	16
Barium	58	73	59	91	2 , 5 <i>00</i>
Beryllium	< 0.5	< 0.5	< 0.5	< 0.5	98
Cadmium	< 0.25	< 0.25	< 0.25	< 0.25	<i>38</i>
Chromium	39	5 <i>0</i>	39	69	5 <i>8</i>
Cobalt	4.9	4.7	5.3	5.6	94
Copper	6.7	7.5	6.4	12	2,500
Lead	2.5	2.6	2.4	4.1	75 <i>0</i>
Mercury	< 0.05	< 0.05	< 0.05	< 0.05	11 <i>O</i>
Molybdenum	< 0.5	< 0.5	< 0.5	< 0.5	2,500
Nickel	32	35	32	56	1,000
Selenium	< 0.5	< 0.5	< 0.5	< 0.5	2,500
Silver	< 0.5	< 0.5	< 0.5	< 0.5	2,500
Thallium	< 0.5	< 0.5	< 0.5	< 0.5	51
Vanadium	3 <i>0</i>	32	32	45	2,500
Zinc	20	29	22	29	2,500
<u>Total Petroleum Hvdrocarbons</u>					
TPH as gasoline	< 1.0	< 1.0	< 1.0	< 1.0	100
TPH as diesel	< 1.0	< 1.0	< 1.0	< 1.0	100
TPH as motor oil	< 5.0	< 5.0	< 5.0	< 5.0	100
<u>Petroleum Oil and Grease</u> POG	< 50	< 5 <i>0</i>	< 5 <i>0</i>	< 50	1,000
100	200	₹50	< 50	(50)	1,000
Volatile Organic Compounds (VOCs)					
Acetone	< 0.05	< 0.05	< 0.05	< 0.05	0.24
Ethylbenzene	< 0.005	< 0.005	< 0.005	< 0.005	3.3
Toluene	< 0.005	< 0.005	< 0.005	< 0.005	2.9
Total xylenes	< 0.005	< 0.005	< 0.005	< 0.005	1.5
All remaining VOCs	< 0.005 - < 0.1	< 0.005 - < 0.1	< 0.005 - < 0.1	< 0.005 - < 0.1	Varies
Semi-Volatile Organic Compounds (SVC)(s)				
All SVOCs	< 0.33 - < 1.6	< 0.33 - < 1.6	< 0.33 - < 1.6	< 0.33 - < 1.6	Varies
	· · · · · · · · · · · · · · · · · · ·				

Notes:

^{1.} Non-detectable concentration noted by the less than sign (<) followed by the detection limit.

^{2.} ESL is the Environmental Screening Level for deep soil where residential land use is permited and groundwater is a current or potential source of Drinking Water as presented by the SF Bay RWQCB in their document entitled "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater," July 2003.

^{3.} Concentration is BOLD exceeds ESL.

TABLE TWO

Summary of Analyses of GROUNDWATER Samples CAM 17 Metals, Hydrocarbons, VOCs and SVOCs 1455 5th Street, Oakland, CA

All results are in parts per billion (ppb)

COMPOUND	BH-A	BH-B	BH-C	BH-D	ESL
CAM 17 METALS					
Antimony	< 0.5	< 0.5	< 0.5	< 0.5	6.0
Arsenic	< 0.5	< 0.5	< 0.5	< 0.5	36
Barium	81	35	43	<i>30</i>	1,000
Beryllium	< 0.5	< 0.5	< 0.5	< 0.5	3
Cadmium	< 0.25	< 0.25	< 0.25	< 0.25	2.2
Chromium	< 0.5	< 0.5	< 0.5	< 0.5	50
Cobalt	5.4	2.7	4.4	5.1	3.0
Copper	0.61	1.9	< 0.5	< 0.5	3.1
Lead	< 0.5	< 0.5	< 0.5	< 0.5	2.5
Mercury	< 0.05	< 0.05	< 0.05	< 0.05	0.012
Molybdenum	18	10	19	16	35
Nickel	9.1	4.7	7.1	11	8. 2
Selenium	< 0.5	< 0.5	4.3	< 0.5	5.0
Silver	< 0.5	< 0.5	< 0.5	< 0.5	<i>O</i> .19
Thallium	< 0.5	< 0.5	< 0.5	< 0.5	2.0
Vanadium	0.56	0.57	0.60	< 0.5	15
Zinc	< 5.0	< 5. <i>0</i>	< 5.0	< 5.0	81
Total Petroleum Hydrocarbons					
TPH as gasoline	< 50	57	< 50	< 50	100
TPH as diesel	<5 <i>0</i>	< 50	< 50	<50	100
TPH as motor oil	< 250	< 250	< 250	< 250	100
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1200	, 200			
Petroleum Oil and Grease					
POG	< 5,000	< 5,000	< 5,000	< 5,000	100
<u>Volatile Organic Compounds (VOCs)</u>					
Acetone	10	22	13	6.0	700
Ethylbenzene	0.69	2.7	< 0.5	< 0.5	30
Toluene	< 0.5	0.92	1.4	0.61	40
Total xylenes	4.5	16	0.92	< 0.5	13
All remäining VOCs	< 0.5 - < 10	< 0.5 - < 10	< 0.5 - < 10	< 0.5 - < 1.0	Varies
Semi-Yolatile Organic Compounds (SYC)Cs)				
All SYOCs	< 10 - < 50	< 10 - < 50	< 10 - < 50	< 10 - < 50	V <i>a</i> ri <i>e</i> s

 $[\]frac{\text{Notes:}}{\text{1. Non-detectable concentration noted by the less than sign (<) followed by the detection limit.}$

^{2.} ESL is the Environmental Screening Level for groundwater where residential land use is permited and groundwater is a current or potential source of Drinking Water as presented by the SF Bay RWQCB in their document entitled "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater," July 2003.

^{3.} Concentration is BOLD exceeds ESL.

APPENDIX A

Drilling Permit

P. 1

APR-30-01 HON 10:19 AM ALAMEDA COUNTY PHA KAZ38

FAX NU. 510/821959

r. UZ



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELAMURST ST. HAYWARD CA. 94544-2395
PHONE (510) 670-5554
FAX (510)782-3939

DRILLING PERMIT APPLICATION				
LOCATION OF PROJECT 1455 51 Street On Florid City	PERMIT NUMBER WOS-0067			
	YERMIT CONDITIONS Circled Permit Requirements Apply			
CLIENT Name Analy Haell and Jean Hall Noders 71 66th Avenue those City Oakland, and 2ip 94621 APPLICANT Name Agree to a factor to the factor of the factor	A. GENERAL. 1. A permit application should be submitted so as to unrive at the ACPWA office five days prior to proposed stating date. 2. Submit to ACPWA wilding 68 days after completion of permitted original largarithms of Water Resources. Well Completion Report. J. Fermit is void if project not began within 90 days of approval date. 3. WATER SUPPLY WELLS. 1. Maningon surface feet thickness is two inches of			
TYPE OF PROJECT Well Construction General Investigation Cathodic Protection II General II Water Supply II Commination II Monitoring II Well Destruction II	comput growt placed by stemic. 2. Minimum scal depth is 50 feet for mandelpat and Industrial wells or 20 feet for demestic and impation wells where a lesser depth is specially approved. C. CROSKOWATER MONITORING WILLS INCLUDING PIFZOMETERS			
FROMUSED WATER SUPPLY WELL USE Sew Domestic (I) Replacement Domestic (I) Municipal (I) Imgation (I) Industrial (I) Other (I)	1. Minimum surface seal thickness is two inches of coment grout placed by tremie. 2. Minimum seal depth for monitoring wells is the maximum depth practicable as 20 feet.			
DRILLING METHOD: Mid Rollin: U Air Rollin: B Augus 0 Cable U Other A Garperise	EL GEOTECHNICAL CON AT MA FIRM Backfill bore hole by bettie with centern group or centern ground mixture. Upper two three feet replaced in kind, in with compared torings EL CATHODIC			
DRILLER'S LICENSE NO. 6 57 705 92.7	Fill hole anode zone with concrete placed by tremie. F. WELL DESTRUCTION Send a map of work site. A separate permit is required for wells deeper than 45 feet.			
WELL PROJECTS Drill Hole Diameter in Maximum Casing Diometer in Depth fi. Surface Seat Depth of. Owner's Well Number	NOTE: One application must be submitted for each well or well decumerian. Mulaple borings on one application are acceptable for procedural and consumination investigations.			
CECTECHNICAL PROJECTS Number of Boring: Hole Diameter 2 in Depth 20 R	100			
ESTIMATED STARTING DAYE 1 31-05 ESTIMATED COMPLETION DAYE 1-31-65	APPROVED DATE 1-26-05			
I hereby agree to comply with all requirements of this permit and Alameda County Ordi	inalize No. 73-68.			
MERASE PRINT NAME Robert Kitchen Revis	5-13-00			



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD, CA. 94544-1395
PHONE (510) 670-6633 James Yoo FAX (510) 782-1939

PERMIT NO. W05-0067

WATER RESOURCES SECTION GROUNDWATER PROTECTION ORDINANCE B#1-GENERAL CONDITIONS: GEOTECHNICAL & CONTAMINATION BOREHOLES

- 1. Prior to any drilling activities, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that Federal, State, County or to the City and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained.
- 2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
- 3. Permitte, permittee's, contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statues regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on-or off site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
- 4. Permit is valid only for the purpose specified herein January 31 to January 31, 2005. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.
- 5. Drilling Permit(s) can be voided/ canceled only in writing. It is the applicants responsibilities to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.
- 6. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

Applicant shall contact George Bolton for a inspection time at 510-670-5594 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

Spot about needed only by suspecter Ix

APPENDIX B

Boring Logs

SULL BORING LOG AND MONITORING WELL COMPLETION DETAILS Project Name: Hall Property Project Location: 1455 5th Street, Oakland, CA Page 1 of 1 Driller: Vironex Type of Rig: Geoprobe Size of Drill: 2.0° Diameter Logged By: Robert Kitay, R.G. Date Drilled: January 31, 2005 Checked By: Robert E. Kitay, R.G. WATER AND WELL DATA Depth of Water First Encountered: 12' Well Screen Stot Size: NA Well Screen Stot Size: NA Well Screen Stot Size: NA Total Depth of Boring: 18' Type and Size of Soil Sampler: 2.0° LD. Macro Sampler BORNG BOR	COUL PORTING LOC AND AND			
Driller: Vironex Logged By: Robert Kitay, R.G. Date Drilled: January 31, 2005 Checked By: Robert E. Kitay, R.G. WATER AND WELL DATA Depth of Water First Encountered: 12' Well Screen Type and Diameter: NA Well Screen Type and Diameter: NA Well Screen Stot Size: NA Total Depth of Boring: 16' Type and Size of Soil Sampler: 2.0' I.D. Macro Sampler Soil/FOCK SAMPLE DATA Depth of Boring: 16' Type and Size of Soil Sampler: 2.0' I.D. Macro Sampler Soil/FOCK SAMPLE DATA Depth of Boring: 16' Type and Size of Soil Sampler: 2.0' I.D. Macro Sampler Soil/FOCK SAMPLE DATA DEPTH OF LITHOLOGY standard classification, texture, relative moisture, density, sitfiness, odor-staining, USCS designation. O Gravelly SILT (ML): dark grey; medium stiff; damp; 60% sitt; 25% subargular gravel to 1' clameter. Sity ClAY (CH): dark brown; medium stiff; damp; 80% clay; low plasticity; low asimated K; no odor Sly SAND (SM); dark brown; loose; damp; 90% fine sand; 10% silt; non-plastic; medium estimated K; no odor moist at 6' 10 Page 1511 Total Depth of Well Completed: NA Well Screen Type and Diameter: NA Well Screen Siot Size: NA Type and Size of Soil Sampler: 2.0' I.D. Macro Sampler DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, sitfiness, odor-staining, USCS designation. O Gravelly SILT (ML): dark grey; medium stiff; damp; 80% clay; low plasticity; low asimated K; no odor Sity SAND (SM) (SM) dark brown; loose; damp; 90% fine sand; 10% silt; non-plastic; medium estimated K; no odor moist at 6' 10 End of Boring at 16'	SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS BORING: BH-A			
Logged By: Robert Kitay, R.G. WATER AND WELL DATA Depth of Water First Encountered: 12' Total Depth of Water in Well: 12' Total Depth of Boring: 16' BORING DETAIL DETAIL DETAIL DETAIL DESCRIPTION OF LITHOLOGY Static Depth of Boring: 16' SOUL/ROCK SAMPLE DATA DESCRIPTION OF LITHOLOGY Standard classification, taxture, relative moisture, density, stiffness, odor-staining, USCS designation. O Gravelly SiLT (ML); dark brown: medium stiff; damp: 60% silt; 25% subangular gravel to 1' diameter: 15% class; low plasticity: one odor Sity Sample K: no odor Sity Sample K: no odor Sity Sample K: no odor moist at 6' End of Boring at 16'		ocation: 1455 5th Street, Oakland, CA Page 1 of 1		
WATER AND WELL DATA Depth of Water First Encountered: 12' Static Depth of Water in Well: 12' Total Depth of Boring: 16' Total Depth of Boring: 16' SOIL/ROCK SAMPLE DATA BORING BO	Driller: Vironex Type of R	ig: Geoprobe Size of Drill: 2.0" Diameter		
Depth of Water First Encountered: 12' Static Depth of Water in Well: 12' Total Depth of Boring: 18' BORING DETAIL BORING DETAIL D	Logged By: Robert Kitay, R.G. Date Drill	led: January 31, 2005 Checked By: Robert E. Kitay, R.G.		
Static Depth of Water in Well: 12* Total Depth of Boring: 16* Total Depth of Boring: 16* Silve of Soil Sampler: 2.0* I.D. Macro Sampler Type and Size of Soil Sampler: 2.0* I.D. Macro Sampler DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. O Gravelly SILT (ML): dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1* clameter; 15% clay; low plasticity; low estimated K; no odor Silty SAND (SM); dark brown; loose; damp. 90% fine sand; 10% slit; non-plastic; medium estimated K; no odor moist at 6* 10 End of Boring at 16* End of Boring at 16*	WATER AND WELL DATA	Total Depth of Well Completed: NA		
Static Depth of Water in Well: 12* Total Depth of Boring: 16* Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. O Gravelly SiLT (ML); dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1" diameter; 15% clar; low plasticity; low estimated K; no odor Silty CLAY (CH); dark brown; loose; damp; 90% fine sand; 10% silt; non-plastic; medium estimated K; no odor Silty SAND (SM); dark brown; loose; damp; 90% fine sand; 10% silt; non-plastic; medium estimated K; no odor groundwater at 12' End of Boring at 16'	Depth of Water First Encountered: 12'	Well Screen Type and Diameter: NA		
BORING EDETAIL SOIL/ROCK SAMPLE DATA THE STANDARD CHARLES THE ST	Static Depth of Water in Well: 12'			
Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.	Total Depth of Boring: 16'	Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler		
Gravelly SILT (ML): dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1" diameter; 15% clay; low plasticity; low estimated K; no odor Silty CLAY (CH); dark brown; medium stiff; damp; 80% clay; 20% silt; high plasticity; very low estimated K; no odor Silty SAND (SM); dark brown; loose; damp; 90% fine sand; 10% silt; non-plastic; medium estimated K; no odor moist at 6' groundwater at 12' End of Boring at 16'	Depth in Feet Description Interval Int	DESCRIPTION OF LITHOLOGY		
aqua science engineers. Inc.	-0	60% silt; 25% subangular gravel to 1" diameter; 15% clay; low plasticity; low estimated K; no odor Silty CLAY (CH); dark brown; medium stiff; damp; 80% clay; 20% silt; high plasticity; very low estimated K; no odor Silty SAND (SM); dark brown; loose; damp; 90% fine sand; 10% silt; non-plastic; medium estimated K; no odor moist at 6' 10 groundwater at 12' End of Boring at 16'		

Project Name: Hall Property Project Location: 1455 5th Street, Oakland, CA Page 1 of Driller: Vironex Type of Rig: Geoprobe Size of Drill: 2.0" Diameter Logged By: Robert Kitay, R.G. Date Drilled: January 31, 2005 Checked By: Robert E. Kitay, R.G. WATER AND WELL DATA Depth of Water First Encountered: 12' Well Screen Type and Diameter: NA Static Depth of Boring: 16' Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler Total Depth of Boring: 16' DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture density, stiffness, odor-staining, USCS designation O Gravelly SILT (ML); dark grey; medium stiff; damp: 60% silt; 25% subangular gravel to 1" diameter; 15% clay; low plasticity; low estimated K; no odor Silty SAND (SM); dark yellow brown: loose: damp:				
Driller: Vironex Logged By: Robert Kitay, R.G. Date Drilled: January 31, 2005 Checked By: Robert E. Kitay, R.G. WATER AND WELL DATA Depth of Water First Encountered: 12' Static Depth of Water in Well: 12' Total Depth of Boring: 16' BORING BORING	SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS BORING: BH-B			
Logged By: Robert Kitay, R.G. Date Drilled: January 31, 2005 Checked By: Robert E. Kitay, R.G. WATER AND WELL DATA Depth of Water First Encountered: 12' Total Depth of Water in Well: 12' Total Depth of Boring: 16' Type and Size of Soil Sampler: 2.0' I.D. Macro Sampler DESCRIPTIONOF LITHOLOGY standard classification, texture, relative moisture density, stiffness, odor-staining, USCS designation O Gravelly SILT (ML); dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1' diameter; 15% clay; low plasticity; low estimated K; no odor Silty SAND (SM), dark yellow brown, loose; damp; 85-90% fine sand; 10-15% silt; non-plastic; medium estimated K; no odor moist at 6' Total Depth of Water in Well: 12' Total Depth of Water in Well: 12' Total Depth of Water in Well: 12' Total Depth of Well Completed: NA Well Screen Type and Diameter: NA Well Screen Slot Size: NA Total Depth of Soil Sampler: 2.0' I.D. Macro Sampler DESCRIPTIONOF LITHOLOGY standard classification, texture, relative moisture density, stiffness, odor-staining, USCS designation O Gravelly SILT (ML); dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1' diameter; 100 in the stiff of the sand; 10-15% silt; non-plastic; medium estimated K; no odor moist at 6' Total Depth of Water in Well: 12' Total Depth of Well Completed: NA Well Screen Type and Diameter: NA Total Depth of Water in Well: 12' Total Depth of Well Complete: NA Well Scree		Project Locat	tion: 1455 5th Street, Oakland, CA Page 1 of 1	
Depth of Water First Encountered: 12' Static Depth of Water in Well: 12' Total Depth of Boring: 16' Total Depth of Boring: 16' Total Depth of Boring: 16' Type and Diameter: NA Well Screen Stot Size: NA Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler DESCRIPTION OF LITHOLOGY standard classification, texture, relative moistur density, stiffness, odor-staining, USCS designation Or Gravelly SILT (ML); dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1' diameter; NA DESCRIPTION OF LITHOLOGY Standard classification, texture, relative moistur density, stiffness, odor-staining, USCS designation Or Gravelly SILT (ML); dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1' diameter; NA Depth of Water First Encountered: 12' Or Gravelly SILT (ML); dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1' diameter; NA Depth of Water First Encountered: NA Well Screen Type and Diameter: NA Well Screen Stot Size: NA Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler DESCRIPTION OF LITHOLOGY standard classification, texture, relative moistur density, stiffness, odor-staining, USCS designation Or Gravelly SILT (ML); dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1' diameter; NA DESCRIPTION OF LITHOLOGY Silty SAND (SM); dark yellow brown; loose; damp; 85-90% fine sand; 10-15% silt; non-plastic; medium estimated K; no odor moist at 6' Total Depth of Wall Completed: NA Well Screen Type and Diameter: NA DESCRIPTION OF LITHOLOGY Standard classification, texture, relative moistur density, stiffness, odor-staining, USCS designation Or Gravelly SILT (ML); dark grey; medium stiff; damp; 60% silt; 25% olsy, loop plasticity; loop estimated K; no odor moist at 6' End of Boring at 16'	Driller: Vironex	Type of Rig: 0	Geoprobe Size of Drill: 2.0" Diameter	
Depth of Water First Encountered; 12' Static Depth of Water in Well: 12' Total Depth of Boring: 16' BORING DETAIL BORING DETAIL O O O O O O O O O O O O O	Logged By: Robert Kitay, R.G.	Date Drilled:	January 31, 2005 Checked By: Robert E. Kitay, R.G.	
Static Depth of Water in Well: 12' Total Depth of Boring: 16' Type and Size of Soll Sampler: 2.0" I.D. Macro Sampler Type and Size of Soll Sampler: 2.0" I.D. Macro Sampler DESCRIPTIONOF LITHOLOGY standard classification, texture, relative moistur density, stiffness, odor-staining, USCS designation O Gravelly SILT (ML); dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1" diameter; 15% clay; low plasticity; low estimated K; no odor Silty SAND (SM); dark yellow brown; loose; damp; 55% fine sand; 10-15% silt; non-plastic; medium estimated K; no odor moist at 6' Type and Size of Soll Sampler: 2.0" I.D. Macro Sampler DESCRIPTIONOF LITHOLOGY standard classification, texture, relative moistur density, stiffness, odor-staining, USCS designation O Gravelly SILT (ML); dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1" diameter; 15% clay; low plasticity; low estimated K; no odor Silty SAND (SM); dark yellow brown; loose; damp; 55% fine sand; 10-15% silt; non-plastic; medium estimated K; no odor moist at 6' Type and Size of Soll Sampler: 2.0" I.D. Macro Sampler DESCRIPTIONOF LITHOLOGY standard classification, texture, relative moistur density, stiffness, odor-staining, USCS designation Gravelly SILT (ML); dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1" diameter; 15% clay; low plasticity; low estimated K; no odor moist at 6' Type and Size of Soll Sampler: 2.0" I.D. Macro Sampler DESCRIPTIONOF LITHOLOGY standard classification, texture, relative moistur density, stiffness, odor-staining, USCS designation Gravelly SILT (ML); dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1" diameter; 15% clay low plasticity; low estimated K; no odor moist at 6' Type and Size of Soll Sampler: 2.0" I.D. Macro Sampler DESCRIPTIONOF LITHOLOGY standard classification, texture, relative moistur density, stiffness, odor-staining, USCS designation of the standard classification, texture, relative moistur density, stiffness, odor-staining, use of the stan	_		Total Depth of Well Completed: NA	
Total Depth of Boring: 16: Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler DESCRIPTION OF LITHOLOGY standard classification, texture, relative moistur density, stiffness, odor-staining, USCS designation Gravelly SILT (ML): dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1" diameter; 55 Gravelly SILT (ML): dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1" diameter; 55 Gravelly SILT (ML): dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1" diameter; 55 Scill Sampler: 2.0" I.D. Macro Sampler DESCRIPTION OF LITHOLOGY standard classification, texture, relative moistur density, stiffness, odor-staining, USCS designation Gravelly SILT (ML): dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1" diameter; Silty SAND (SM): dark yellow brown; loose; damp; 85-90% fine sand; 10-15% silt; non-plastic; medium estimated K; no odor moist at 6' Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler DESCRIPTION OF LITHOLOGY standard classification, texture, relative moistur density, stiffness, odor-staining, USCS designation Gravelly SILT (ML): dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1" diameter; Silty SAND (SM): dark yellow brown; loose; damp; 85-90% fine sand; 10-15% silt; non-plastic; medium estimated K; no odor moist at 6' End of Boring at 16'	Depth of Water First Encountered: 12	·	Well Screen Type and Diameter: NA	
SOIL/ROCK SAMPLE DATA Gravelly SILT (ML); dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1* diameter; 15% clay; low plasticity; low estimated K; no odor moist at 6' To purple of the sand; 10-15% silt; non-plastic; medium estimated K; no odor moist at 6' End of Boring at 16'	Static Depth of Water in Well: 12'		Well Screen Slot Size: NA	
BORING DETAIL Solution DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture density, stiffness, odor-staining, USCS designation The standard classification, texture, relative moisture density, stiffness, odor-staining, USCS designation Gravelly SILT (ML); dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1* diameter; 15% clav; low plasticity; low estimated K; no odor Silty SAND (SM); dark yellow brown; loose; damp; 85-90% fine sand; 10-15% silt; non-plastic; medium estimated K; no odor moist at 6' End of Boring at 16'				
Standard classification, texture, relative moistur density, stiffness, odor-staining, USCS designation density, stiffness, odor-staining, used to stiff density, stiffness, odor-staining, used to stiff density, stiffness, odor-staining, used to stiff density	1 .4 1	`	DESCRIPTION OF LITHOLOGY	
Gravelly SILT (ML); dark grey; medium stiff; damp; 60% siit; 25% subangular gravel to 1° diameter; 15% clay; low plasticity; low estimated K; no odor Sity SAND (SM); dark yellow brown; loose; damp; 85-90% fine sand; 10-15% silt; non-plastic; medium estimated K; no odor moist at 6' To groundwater at 12' End of Boring at 16'	M Coun w Coun	raphic	standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.	
Gravelly SILT (ML); dark grey; medium stiff; damp; 60% silt; 25% subangular gravel to 1* diameter; 15% clay; low plasticity; low estimated K; no odor Silty SAND (SM); dark yellow brown; loose; damp; 85-90% fine sand; 10-15% silt; non-plastic; medium estimated K; no odor moist at 6' The subangular gravel to 1* diameter; 15% clay; low plasticity; low estimated K; no odor moist at 6' The subangular gravel to 1* diameter; 15% clay; low plasticity; low estimated K; no odor moist at 6' The subangular gravel to 1* diameter; 15% clay; low plasticity; low estimated K; no odor moist at 6' The subangular gravel to 1* diameter; 15% clay; low plasticity; low estimated K; no odor moist at 6' The subangular gravel to 1* diameter; 15% clay; low plasticity; low estimated K; no odor moist at 6' The subangular gravel to 1* diameter; 15% clay; low plasticity; low estimated K; no odor moist at 6' The subangular gravel to 1* diameter; 15% clay; low plasticity; low estimated K; no odor moist at 6' The subangular gravel to 1* diameter; 15% clay; low plasticity; low estimated K; no odor moist at 6' The subangular gravel to 1* diameter; 15% clay; low plasticity; low estimated K; no odor moist at 6' The subangular gravel to 1* diameter; 15% clay; low plasticity; low estimated K; no odor moist at 6' The subangular gravel to 1* diameter; 15% clay; low plasticity; low estimated K; no odor moist at 6' The subangular gravel to 1* diameter; 15% clay; low plasticity; low estimated K; no odor moist at 6' The subangular gravel to 1* diameter; 15% clay; low estimated K; no odor moist at 6' The subangular gravel to 1* diameter; 15% clay; low estimated K; no odor moist at 6' The subangular gravel to 1* diameter; 15% clay; low estimated K; no odor moist at 6'		Wal	å	
	-15 15 20 25		60% silt; 25% subangular gravel to 1" diameter; 15% clay; low plasticity; low estimated K; no odor Silty SAND (SM); dark yellow brown; loose; damp; 85-90% fine sand; 10-15% silt; non-plastic; medium estimated K; no odor moist at 6' 10 groundwater at 12' End of Boring at 16'	

Project Name: Hall Property Project Loadlon: 1455 5th Street, Oakland, CA Page 1 of 1 Driller: Vironex Type of Rig: Geoprobe Sizz of Drill: 2.0" Diameter Logged By: Robert Kitay, R.G. Date Drilled: January 31, 2005 Checked By: Robert E. Kitay, R.G. WATER AND WELL DATA Depth of Water First Encountered: 10.5" Well Screen Type and Diameter: NA Well Screen Rict Size: NA Total Depth of Boring: 12" Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler BORING BORING DETAIL BORING DETAIL O O O Sity SAND (SM): dark yellow brown; loose; damp; estimated K; no odor O Sity SAND (SM): dark yellow brown; loose; damp; estimated K; no odor O Sity SAND (SM): dark yellow brown; loose; damp; estimated K; no odor O Sity SAND (SM): dark yellow brown; loose; damp; estimated K; no odor O Sity SAND (SM): dark yellow brown; loose; damp; estimated K; no odor O Sity SAND (SM): dark yellow brown; loose; damp; estimated K; no odor O Sity SAND (SM): dark yellow brown; loose; damp; estimated K; no odor O Sity SAND (SM): dark yellow brown; loose; damp; estimated K; no odor				
Driller: Vironex Type of Rig: Geoprobe Size of Drill: 2.0" Diameter Logged By: Robert Kitay, R.G. Date Drilled: January 31, 2005 Checked By: Robert E Kitay, R.G. WATER AND WELL DATA Depth of Water First Encountered: 10.5' Static Depth of Water in Well: 10.5' Total Depth of Boring: 12' Type and Diameter: NA Well Screen Type and Diameter: NA DETAIL BORING DETAIL BORING DETAIL O O O Solithrock SAMPLE DATA DETAIL O O Solithrock SAMPLE DATA O Solithrock	SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS BORING: BH-C			
Logged By: Robert Kitay, R.G. Date Drilled: January 31, 2005 Checked By: Robert E. Kitay, R.G. WATER AND WELL DATA Depth of Water First Encountered: 10.5' Static Depth of Water in Well: 10.5' Total Depth of Boring: 12' Type and Diameter: NA Well Screen Type and Diameter: NA Well Screen Size: NA Total Depth of Boring: 12' Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler DESCRIPTION OF LITHOLOGY Standard classification, texture, relative moisture, density, sriffness, odor-staining, USCS designation. O Sity SAND (SM): dark yellow brown; loose; damp; 85-90% fine sand; 10-15% slit; non-plastic; medium estimated K; no odor End of Boring at 12 End of Boring at 12	Project Name: Hall Property Project Location: 1455 5th Street, Oakland, CA Page 1 of 1			
WATER AND WELL DATA Depth of Water First Encountered: 10.5' Static Depth of Water in Well: 10.5' Total Depth of Boring: 12' Total Depth of Boring: 12' SOLUTION SAMPLE DATA DEFAIL BORING DETAIL DESCRIPTION OF LITHOLOGY Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. O Sity SAND (SM); dark yellow brown; loose; damp; 85-90% fine sand; 10-15% silt; non-plastic; medium estimated K; no odor Sity Sand of Boring at 12' Total Depth of Welf Completed: NA Well Screen Type and Diameter: NA Well Screen Slot Size: NA DESCRIPTION OF LITHOLOGY Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. O Sity SAND (SM); dark yellow brown; loose; damp; 85-90% fine sand; 10-15% silt; non-plastic; medium estimated K; no odor End of Boring at 12'	Driller: Vironex Type of Rig: Geoprobe Size of Drill: 2.	.0" Diameter		
Depth of Water First Encountered: 10.5' Static Depth of Water in Weil: 10.5' Total Depth of Boring: 12' BORING DETAIL BORI	Logged By: Robert Kitay, R.G. Date Drilled: January 31, 2005 Checked E	By: Robert E. Kitay, R.G.		
Static Depth of Water in Well: 10.5' Total Depth of Boring: 12' Total Depth of Boring: 12' SOUL/ROCK SAMPLE DATA BORING BETAIL BORING DETAIL O SOUL BORING SOUR BORING	WATER AND WELL DATA Total Depth of Well Completed: NA			
Total Depth of Boring: 12' Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCs designation. O Sity SAND (SM); dark yellow brown; loose; damp; 85-90% fine sand; 10-15% sllt; non-plastic; medium estimated K; no odor End of Boring at 12' Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCs designation. O Sity SAND (SM); dark yellow brown; loose; damp; 85-90% fine sand; 10-15% sllt; non-plastic; medium estimated K; no odor End of Boring at 12'	Depth of Water First Encountered: 10.5' Well Screen Type and Diameter: NA	4		
BORING DETAIL SOLL/ROCK SAMPLE DATA Fig. 10 DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. O Sitty SAND (SM); dark yellow brown; loose; damp; 85-90% fine sand; 10-15% silt; non-plastic; medium estimated K; no odor To groundwater at 10.5' End of Boring at 12' To groundwater at 10.5' End of Boring at 12'	Static Depth of Water in Well: 10.5' Well Screen Slot Size: NA			
DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. O Silty SAND (SM); dark yellow brown; loose; damp; 85-90% fine sand; 10-15% silt; non-plastic; medium estimated K; no odor To groundwater at 10.5' End of Boring at 12' End of Boring at 12'	Total Depth of Boring: 12' Type and Size of Soil Sampler: 2.0"	I.D. Macro Sampler		
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Silty SAND (SM); dark yellow brown; loose; damp; 85-90% fine sand; 10-15% silt; non-plastic; medium estimated k; no odor The solution of the	DETAIL DETAIL	exture, relative moisture, aining, USCS designation.		
	0 Silty SAND (SM); dark yellow 85-90% fine sand; 10-15% si estimated K; no odor 10 groundwater at 10.5' End of Boring 20 — 20 — 25 — 25 — 25 — 25 — 25 — 25 —	silt; non-plastic; medium		

Project Name: Hall Property Project Location: 1455 5th Strest, Oakland, CA Page 1 of 1 Driller: Vironex Type of Rig: Geoprobe Logged By: Robert Kitay, R.G. Date Drilled: January 31, 2005 Checked By: Robert E. Kitay, R.G. WATER AND WELL DATA Depth of Water First Encountered: 10.5' Well Screen Type and Diameter: NA Static Depth of Water in Well: 10.5' Well Screen Slot Size: NA Total Depth of Boring: 12' Total Depth of Boring: 12' BORING DETAIL BORING DETAIL O Gravelly SILT (ML): dark grey: medium stiff, damp: 60% silt: 30% subangular gravel to 1' diameter: 10% clav: non-plastic; now estimated K; no odor molst at 6' 10 Gravell Size of Boring at 12' End of Boring at 12' End of Boring at 12'	SOIL BORING LOG AND MONIT	ORING WELL	L COMPLETION DETAILS POPING BLID
Driller: Vironex Type of Rig: Geoprobe Size of Drill: 2.0" Diameter Logged By: Robert Kitay, R.G. Date Drilled: January 31, 2005 Checked By: Robert E. Kitay, R.G. WATER AND WELL DATA Depth of Water First Encountered: 10.5" Static Depth of Water in Well: 10.5" Total Depth of Boring: 12' DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. O Gravelly SILT (ML): dark grey, medium stiff; damp; 60% silt: 30% subangular gravet to 1' diameter: 10% clay, non-plastic; low satimated K; no odor molet at 6' Total Depth of Boring: 12' Total Depth of Boring: 12' DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. O Gravelly SILT (ML): dark grey, medium stiff; damp; 60% silt: 30% subangular gravet to 1' diameter: 10% clay, non-plastic; low satimated K; no odor molet at 6' Total Depth of Well Completed: NA Total Depth of Well Completed: NA Well Screen Type and Diameter: NA Type and Size of Soil Szer NA Total Depth of Boring: 12' DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. O Gravelly SILT (ML): dark grey, medium stiff; damp; 60% silt: 30% subangular gravet to 1' diameter: 10% sestimated K; no odor molet at 6' Total Depth of Well Completed: NA Well Screen Type and Diameter: NA Type and Size of Soil Szer NA Total Depth of Well Completed: NA Total Depth of Well Comple			
Logged By: Robert Kitay, R.G. WATER AND WELL DATA Depth of Water First Encountered: 10.5' Total Depth of Boring: 12' Type and Size of Soil Sampler: 2.0' I.D. Macro Sampler DESCRIPTIONOF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. O Gravelly SILT (ML): dark grey; medium stiff; dampter: 0% subangular gravel to 1' diameter: NA Total Depth of Boring: 12' Total Depth of Boring: NA Well Screen Type and Diameter: NA DESCRIPTIONOF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. O Gravelly SILT (ML): dark grey; medium stiff; dampter: 0% subangular gravel to 1' diameter: NA Description Type and Diameter: NA DESCRIPTIONOF LITHOLOGY Stiffness, odor-staining, USCS designation. O Gravelly SILT (ML): dark grey; medium stiff; dampter: 0% subangular gravel to 1' diameter: Na Total Depth of Well Completed: NA Description Type and Diameter: NA Description Type and			
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Depth of Water First Encountered: 10.5' Static Depth of Water in Well: 10.5' Total Depth of Boring: 12' DESCRIPTION OF LITHOLOGY Supply of Boring: 12' DESCRIPTION OF LITHOLOGY Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. O Gravelly SILT (ML); dark grey; medium stiff; damp; 60% silt; 30% subangular gravel to 1' diameter; 10% clay; non-plastic; low estimated K; no odor moist at 6' Total Depth of Boring: 12' DESCRIPTION OF LITHOLOGY Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. O Gravelly SILT (ML); dark grey; medium stiff; damp; 60% silt; 30% subangular gravel to 1' diameter; 10% clay; non-plastic; low estimated K; no odor moist at 6' Silty SAND (SM); dark yellow brown; loose; damp; 85-90% fine sand; 10-15% silt; non-plastic; medium estimated K; no odor moist at 6' End of Boring at 12'		Date Drilled:	
Static Depth of Water in Well: 10.5' Total Depth of Boring: 12' BORING DETAIL BORING DETAIL DETAIL			Total Depth of Well Completed: NA
Total Depth of Boring: 12' Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCs designation. O Gravelly SILT (ML); dark grey; medium stiff; damp; 60% silt; 30% subangular gravel to 1" diameter; 10% clav, non-plastic; low estimated K; no odor moist at 6' Total Depth of Boring: 12' Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCs designation. O Gravelly SILT (ML); dark grey; medium stiff; damp; 60% silt; 30% subangular gravel to 1" diameter; 10% clav, non-plastic; low estimated K; no odor moist at 6' Total Depth of Boring at 12' Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCs designation. O Gravelly SILT (ML); dark grey; medium stiff; damp; 60% silt; 30% subangular gravel to 1" diameter; 10% clav, non-plastic; low estimated K; no odor moist at 6' Total Depth of Boring at 12' End of Boring at 12'		5' 	Well Screen Type and Diameter: NA
BORING DETAIL Set of			Well Screen Slot Size: NA
DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. Gravelly SILT (ML); dark grey; medium stiff; damp; 60% silt; 30% subangular gravel to 1" diameter; 10% clav; non-plastic; low estimated K; no odor silty SAND (SM); dark yellow brown; loose; damp; 85-90% files and; 10-15% silt; non-plastic; medium estimated K; no odor moist at 6' To purple of the purpl			· · · · · · · · · · · · · · · · · · ·
Schring Detail. The property of the property	9 1 _ 1 : - 1		DESCRIPTION OF LITHOLOGY
Gravelly SiLT (ML); dark grey; medium stiff; damp; 60% silt; 30% subangular gravel to 1" diameter; 10% clav; non-plastic; ow estimated K; no odor moist at 6' The state of th	Depth in Description on County (ppm // (ppm // pm // p	tter Leve	standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
Gravelly SILT (ML); dark grey; medium stiff, damp; 60% silt; 30% subangular gravet to 1" diameter; 10% clav; non-plastic; low estimated K; no odor Silty SAND (SM); dark yellow brown; loose; damp; 85-90% fine sand; 10-15% silt; non-plastic; medium estimated K; no odor moist at 6' The purpose of the purpos		🕺	
	-10 -15 -15 -20 -25 -25		60% silt; 30% subangular gravel to 1" diameter; 10% clay; non-plastic; low estimated K; no odor Silty SAND (SM); dark yellow brown; loose; damp; 85-90% fine sand; 10-15% silt; non-plastic; medium estimated K; no odor moist at 6' End of Boring at 12' 15 20 25

APPENDIX C

Analytical Report and Chain of Custody Forms For Soil and Groundwater Samples



110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622 Website: www.mccampbell.com E-mail: main@mccampbell.com

Aqua Science Engineers, Inc.	Client Project ID: Hall Property	Date Sampled: 01/31/05
208 West El Pintado Road		Date Received: 01/31/05
Danville, CA 94526	Client Contact: Robert Kitay	Date Reported: 02/08/05
Danvine, CA 94020	Client P.O.:	Date Completed: 02/08/05

WorkOrder: 0501421

February 08, 2005

Dear Robert:

Enclosed are:

- 1). the results of 8 analyzed samples from your Hall Property project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Angela Rydelius, Lab Manager



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Aqua Science Engineers, Inc.	Client Project ID: Hall Property	Date Sampled: 01/31/05
208 West El Pintado Road		Date Received: 01/31/05
Danville, CA 94526	Client Contact: Robert Kitay	Date Extracted: 01/31/05-02/03/05
Dunvine, OA 74520	Client P.O.:	Date Analyzed: 01/31/05-02/03/05

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0501421 Lab ID Client ID Matrix TPH(g) DF % SS 003A BH-A 11.5' S ND 99 006A BH-B 11.5' S ND 1 95 009A BH-C 10.0' S ND 1 96 012A BH-D 10.0' S ND 102 013D BH-A W ND,i ı 106 014D вн-в W 57,b,i 1 106 015D BH-C W ND,i 1 109 016D BH-D W ND,i 97 Reporting Limit for DF =1; μg/L

above the reporting limit	S	1.0	mg/Kg
* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wine samples in ug/wine.			

product/oil/non-aqueous liquid samples in mg/L.

[#] cluttered chromatogram; sample peak coelutes with surrogate peak.

⁺The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) results are reported by dry weight.



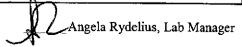
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622 Website: www.mccampbell.com E-mail: main@mccampbell.com

Aqua Science Engineers, Inc.	Client Project ID: Hall Property	Date Sampled: 01/31/05
208 West El Pintado Road		Date Received: 01/31/05
Danville, CA 94526	Client Contact: Robert Kitay	Date Extracted: 01/31/05
Dunvine, Ort 5 1520	Client P.O.:	Date Analyzed: 02/01/05-02/03/05

xtraction method: SV	V3510C/SW3550C		Analytical methods: SW80150		Work O	rder: 05014
Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0501421-003A	BH-A 11.5'	S	ND	ND	1	110
0501421-006A	BH-B 11.5'	S	ND	ND	1	111
0501421-009A	BH-C 10.0'	S	ND	ND	l	115
0501421-012A	BH-D 10.0'	S	ND	ND	1	112
0501421-013D	ВН-А	w	ND,i	ND	1	108
0501421-014D	ВН-В	w	ND,i	ND	1	120
0501421-015D	ВН-С	w	ND,i	ND	1	109
0501421-016D	BH-D	w	ND,i	ND	1	101
				Act of the second secon		i
						
			·			
Reporting Lin	mit for DF =1;	w	50	250	με	<u></u> g/L
	t detected at or eporting limit	S	1.0	5.0	mg	/Kg

^{*} water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in $\mu g/L$.

⁺The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.



[#] cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.



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		uniy eleai, inc.	<u></u>	Website: www.	mccampbell.com E-mail:	main@mccam	pbell.com	1	
Aqua Science E	Engineers, Inc.	Client Project ID:	Hall P	roperty	Date Sampled:	01/31/05			
208 West El Pi	ntado Road		Date Received: 01/31/05						
Danville, CA 94526	Client Contact: R	obert Ki	tay	Date Extracted: 01/31/05					
Danville, CA 94526		Client P.O.:		·	Date Analyzed:	01/31/05-	02/01/	05	
Analytical methods: S	SM5520B/F/SM5520E/F	Petroleum Oil & 0	Grease v	vith Silica Gel Clea	ın-Up*	Wo	rk Order:	0501421	
Lab ID	Client ID	Matrix		POG			DF	% SS	
0501421-003A	BH-A 11.5'	S		ND			l	N/A	
0501421-006A	BH-B 11.5'	S		ND			1	N/A	
0501421-009A	BH-C 10.0'	S		ND			1	N/A	
0501421-012A	BH-D 10.0'	S		ND			1	N/A	
0501421-013C	ВН-А	w		ND,i			1	N/A	
0501421-014C	ВН-В	W		ND,i	_ 		1	N/A	
0501421-015C	ВН-С	w		ND,i			1	N/A	
0501421-016C	BH-D	w		ND,i			1	N/A	
	·				· · · · · · · · · · · · · · · · · · ·				
					,,,				
						İ			

Reporting Limit for DF =1; ND means not detected at or	W	5.0	mg/L
above the reporting limit	S	50	mg/Kg

^{*} water samples are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

DF = dilution factor.

= surrogate diluted out of range.

g) sample extract repeatedly cleaned up with silica gel until constant IR result achieved; h) a lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment.

Angela Rydelius, Lab Manager



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Aqua Science Engineers, Inc.	Client Project ID: Hall Property	Date Sampled: 01/31/05
200 West El Dintado Dood		Date Received: 01/31/05
208 West El Pintado Road	Client Contact: Robert Kitay	Date Extracted: 01/31/05
Danville, CA 94526	Client P.O.;	Date Analyzed: 02/01/05

Danville, CA 94526	Client P.O.;			Date Analyzed: 02/01/05					
Volatile Organics by P&T and GC/MS (Basic Target List)*									
Extraction Method: SW5030B		Ал	alytical Me	thod: SW8260B	Work	Order: 0	501421		
Lab ID				0501421-003A		-			
Client ID	Client ID BH-A 11.5'								
Matrix				Soil					
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit		
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05		
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAM	E) ND	1.0	0.005		
Веплепе	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005		
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005		
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005		
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.025		
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005		
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005		
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005		
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01		
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005		
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005		
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane		1.0	0.005		
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005		
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005		
1.4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005		
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA		1.0	0.005		
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND ND	1.0	0.005		
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005		
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005		
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005		
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005		
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005		
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005		
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND ND	1.0	0.005		
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005		
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005		
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005		
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005		
Styrene	ND	1.0	0.005	1,1,2-Tetrachloroethane	ND	1.0	0.005		
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrach loroethene	ND ND	1.0	0.005		
Toluene	ND	1.0	0.005	1.2.3-Trichlorobenzene	ND	1.0	0.005		
1,2,4-Trichlorobenzene	ND	1.0	0.005	The second secon	ND	1.0	0.005		
1,1,2-Trichloroethane	ND ND	1.0	0.005	Trichloroethene	ND ND	1.0	0.005		
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005		
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Triemotopropane	ND	1.0	0.005		
Vinyl Chloride	ND ND	1.0	0.005	Xylenes	ND ND	1.0	0.005		
. mgr omorrae	110				I ND	1.0	0.003		
0/001	0.4		rogate Ke	ecoveries (%)					
%SS1:	96			%SS2:	99				
%SS3:	96								

%SS1:	96	%SS2:	99
%SS3:	96		

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

[#] surrogate diluted out of range or surrogate coelutes with another peak.



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Aqua Science Engineers, Inc.	Client Project ID: Hall Property	Date Sampled: 01/31/05
208 West El Pintado Road		Date Received: 01/31/05
208 West El Filitado Road	Client Contact: Robert Kitay	Date Extracted: 01/31/05
Danville, CA 94526	Client P.O.:	Date Analyzed: 02/01/05

Danville, CA 94526	Client P.O.:			Date Analyzed: 02/01/05				
	Volatile Organi	•		d GC/MS (Basic Target List)*			
Extraction Method: SW5030B		Analytical Method: SW 8260B Work Order, 0501421						
Lab ID				0501421-006A				
Client ID				BH-B 11.5'				
Matrix				Soil				
Compound	Concentration *	DF	Reporting Limit		Concentration *	DF	Reporting Limit	
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05	
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005	
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005	
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND ND	1.0	0.005	
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005	
2-Butanone (MEK)	ND	1.0	0.003	t-Butyl alcohol (TBA)	ND ND	1.0	0.005	
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.023	
tert-Butyl benzene	ND ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005	
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005	
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	10.0	
Chloroform	ND ND	1.0	0.005	Chloromethane	ND	1.0	0.005	
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005	
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005	
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005	
1,2-Dichlorobenzene	ND	1.0	0.005	1.3-Dichlorobenzene	ND ND	1.0	0.005	
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND ND			
1,1-Dichloroethane	ND ND	1.0	0.005			1.0	0.005	
1,1-Dichloroethene	ND ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA) cis-1,2-Dichloroethene	ND ND	1.0	0.005	
trans-1,2-Dichloroethene	ND ND	1.0	0.005	1,2-Dichloropropane	ND			
1,3-Dichloropropane	ND	1.0	0.005		ND	1.0	0.005	
1,1-Dichloropropene	ND ND	1.0	0.005	2,2-Dichloropropane cis-1,3-Dichloropropene	ND ND	1.0	0.005	
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005	
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0		
Freon 113	ND ND	1.0	0.003	Hexachlorobutadiene	ND	1.0	0.005	
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005	
Isopropylbenzene	ND ND	1.0	0.005	4-Isopropyl toluene	ND ND		0.005	
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	record of the second of the se	ND ND	1.0	0.005	
4-Methyl-2-pentanone (MIBK)	ND ND	1.0	0.005	Methylene chloride		1.0	0.005	
Nitrobenzene	ND ND		··	Naphthalene	ND	1.0	0.005	
Styrene	ND ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005	
1,1,2,2-Tetrachloroethane	ND ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005	
Toluene	ND ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005	
1,2,4-Trichlorobenzene	ND ND	1.0	0.005	1,2,3-Trichlorobenzene	ND ND	1.0	0.005	
1,1,2-Trichloroethane	ND ND			1,1,1-Trichloroethane	ND	1.0	0.005	
Trichlorofluoromethane		1.0	0.005	Trichloroethene	ND	1.0	0.005	
	ND ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005	
1,2,4-Trimethylbenzene	ND ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005	
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005	
	,		rogate Re	Recoveries (%)				
%SS1:	97			%SS2:	96			
%SS3:	97							

%SS3: 97
Comments:

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

[#] surrogate diluted out of range or surrogate coelutes with another peak.



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Aqua Science Engineers, Inc.	Client Project ID: Hall Property	Date Sampled: 01/31/05
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200 West El I likado Road	Client Contact: Robert Kitay	Date Extracted: 01/31/05
Danville, CA 94526	Client P.O.:	Date Analyzed: 02/01/05

Danville, CA 94526	Client P.O.:			Date Analyzed: 02/01/05			
	Volatile Organic	-		d GC/MS (Basic Target List	•		
Extraction Method: SW5030B		An	alytical Met	thod: SW8260B	Work	Order: 0	501421
Lab ID				0501421-009A			
Client ID				BH-C 10.0'			
Matrix				Soil			
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.00
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.003
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.025
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.00:
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.003
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.003
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.003
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.005
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005
				coveries (%)		1.0	J 0.003
%SS1:	91	Sul	ogate Me	%SS2:	96		-
%SS3:	101			/0334:	90		
200 To 1.7.	1971						

%SS3: 101 Comments:

Angela Rydelius, Lab Manager

^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

[#] surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



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Aqua Science Engineers, Inc.	Client Project ID: Hall Property	Date Sampled: 01/31/05
208 West El Pintado Road		Date Received: 01/31/05
200 West El Filitado Road	Client Contact: Robert Kitay	Date Extracted: 01/31/05
Danville, CA 94526	Client P.O.:	Date Analyzed: 02/01/05

Volatile Organic	•		` -		Order: 0	501421
1.0.2						
						
			Soil			
Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
ND	1.0	0.005	Bromomethane	ND	1.0	0.005
ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.025
ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
ND	1.0	0.005		ND	1.0	0.005
ND	1.0	0.005	4-Chlorotoluene			0.005
ND	1.0	0.005	1.2-Dibromo-3-chloropropane			0.005
						0.005
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+						0.005
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מא				ND ND	1.0	0.005
·		rogate Re				
1 99			%SS2:	97		
			70002.			
	Concentration * ND	Concentration * DF ND	Concentration * DF Reporting Limit ND 1.0 0.05 ND 1.0 0.02 ND 1.0 0.005 ND 1.0	ND	ND	ND 1.0 0.005 Carbon Disulfide ND 1.0 ND 1.0 0.005 Carbon Disulfide ND 1.0 ND 1.0 0.005 Carbon Disulfide ND 1.0 ND

Comments:

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~\ vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.



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Danville, CA 94526	Client P.O.:	Date Analyzed: 02/01/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

	Volatile Organic	es by l	P&T an	d GC/MS (Basic Target List	t)*		
Extraction Method: SW5030B		Ar	alytical Me	thod: SW8260B	Work	Order: 0	501421
Lab ID				0501421-013A			
Client ID				BH-A			
Matrix	,			Water		_	
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	10	1.0	5.0	Acrolein (Propenal)	ND	1.0	5.0
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND ND	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0	0.5
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5
1,4-Dichlorobenzene	ND ND	1.0	0.5	Dichlorodifluoromethane	ND ND	1.0	0.5
1.1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND ND	1.0	0.5
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND ND	1.0	0.5
Ethylbenzene	0.69	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND	1.0	0.5
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Isopropylbenzene	ND	1.0	0.5	4-Isopropyl toluene	ND	1.0	
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Methylene chloride	ND	1.0	0.5
4-Methyl-2-pentanone (MIBK)	ND ND	1.0	0.5	Naphthalene	ND ND	1.0	
Nitrobenzene	ND ND	1.0	10	n-Propyl benzene	ND ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND ND		0.5
1,1,2,2-Tetrachloroethane	ND ND	1.0	0.5	Tetrachloroethene		1.0	0.5
Toluene	ND ND	1.0	0.5	1,2,3-Trichlorobenzene	ND ND	1.0	0.5
1,2,4-Trichlorobenzene	ND ND	1.0	0.5	1,1,1-Trichloroethane	ND ND	1.0	0.5
1.1.2-Trichloroethane	ND ND	1.0	0.5	Trichloroethene		1.0	0.5
Trichlorofluoromethane	ND ND	1.0	0.5		ND ND	1.0	0.5
1,2,4-Trimethylbenzene	ND ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
Vinyl Chloride	ND ND	$\frac{1.0}{1.0}$	0.5	1,3,5-Trimethylbenzene	ND A 5	1.0	0.5
· mys Catoride	IND			Xylenes	4.5	1.0	0.5
8/001.		~	rogate Re	ecoveries (%)	 · · · · -		
%SS1:	106			%SS2:	102		
%SS3:	86						

ľ	* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP
ŀ	extracts are reported in mg/L, wipe samples in μg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

Angela Rydelius, Lab Manager

[#] surrogate diluted out of range or surrogate coclutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



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Aqua Science Engineers, Inc.	Client Project ID: Hall Property	Date Sampled: 01/31/05
208 West El Pintado Road		Date Received: 01/31/05
200 West El I lillado Road	Client Contact: Robert Kitay	Date Extracted: 02/01/05
Danville, CA 94526	Client P.O.:	Date Analyzed: 02/01/05

	, and		thod: SW8260B		Order A	501421	
	0501421-014A						
						·	
		AIW	Water				
Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit	
22	1.0	5.0	Acrolein (Propenal)	ND	1.0	5.0	
ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5	
ND	1.0	0.5	Bromobenzene	ND	1.0	0.5	
ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5	
ND	1.0	0.5	Bromomethane	ND	1.0	0.5	
ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0	
ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5	
ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5	
ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5	
ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0	
ND	1.0	0.5	Chloromethane			0.5	
ND	1.0	0.5	4-Chiorotoluene			0.5	
ND	1.0					0.5	
ND	1.0					0.5	
ND		—·				0.5	
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ND		-		——————————————————————————————————————		0.5	
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ND			· · · · · · · · · · · · · · · · · · ·			0.5	
						0.5	
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77							
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						0.5	
							
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114				10	U.1	0.5	
		ogate Ke					
				102			
88							
	22 ND	22 1.0 ND 1.0	1.0 5.0 ND 1.0 0.5 ND 1.0	Concentration	Concentration * DF	Concentration * DF	

^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

[#] surrogate diluted out of range or surrogate coelutes with another peak.



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Aqua Science Engineers, Inc.	Client Project ID: Hall Property	Date Sampled: 01/31/05
208 West El Pintado Road		Date Received: 01/31/05
	Client Contact: Robert Kitay	Date Extracted: 02/01/05
Danville, CA 94526	Client P.O.:	Date Analyzed: 02/01/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

 Extraction Method:
 SW5030B
 Analytical Method:
 SW8260B
 Work Order: 0501421

 Lab ID
 0501421-015A

 Client ID
 BH-C

Matrix		Water					
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	13	1.0	5.0	Acrolein (Propenal)	ND	1.0	5.0
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0	0.5
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0	0.5
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND	1.0	0.5
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Isopropylbenzene	ND	1.0	0.5	4-Isopropyl toluene	ND	1.0	0.5
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Methylene chloride	ND	1.0	0.5
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	Naphthalene	ND	1.0	0.5
Nitrobenzene	ND	1.0	10	n-Propyl benzene	ND ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	1.4	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	l,l,l-Trichloroethane	ND ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	0.92	1.0	0.5
-				coveries (%)	0.72	1.0	0.3
0/ 001.	104	Jun	ogate Re	COVELLES (70)			

%SS1:	104	%SS2:	103
%SS3:	88		
Comments: i			

^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

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208 West El Pintado Road		Date Received: 01/31/05
200 West Di I intado Road	Client Contact: Robert Kitay	Date Extracted: 02/01/05
Danville, CA 94526	Client P.O.:	Date Analyzed: 02/01/05

Extraction Method: SW5030B	-	•		d GC/MS (Basic Target List thod: SW8260B	•	Order: (1501421
Lab ID		All	atytical Me		work	Orger: (1501421
				0501421-016A			
Client ID				BH-D	···		
<u>Matrix</u>				Water			
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporti Limi
Acetone	6.0	1.0	5.0	Acrolein (Propenal)	ND	1.0	5.0
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.:
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.,
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.:
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.:
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0	0.:
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.:
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND ND	1.0	0
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.:
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.
1.1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND ND	1.0	0.:
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.:
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0	+
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND	1.0	
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Isopropylbenzene	ND	1.0	0.5	4-Isopropyl toluene	ND ND	1.0	0.5
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Methylene chloride		1.0	0.5
4-Methyl-2-pentanone (MIBK)	ND ND	1.0	0.5	Naphthalene	ND ND		0.5
Nitrobenzene	ND ND	1.0	10	n-Propyl benzene	27.479	1.0	0.5
Styrene	ND	1.0	0.5		ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	1,1,1,2-Tetrachloroethane Tetrachloroethene	ND	1.0	0.5
Toluene	0.61	1.0			ND	1.0	0.5
1,2,4-Trichlorobenzene	ND V.61	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
Trichlorofluoromethane	ND ND		0.5	Trichloroethene	ND	1.0	0.5
1,2,4-Trimethylbenzene		1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
Vinyl Chloride	ND ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
v myr Cinoriue	ND	1.0	0.5	Xylenes	ND ND	1.0	0.5
%SS1:	100		rogate Re	coveries (%)			
117 NEAR	108			%SS2:	102		
%SS3: Comments: i	87		,				

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.





110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone: 925-798-1620 Fax: 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Aqua Science Engineers, Inc.	Client Project ID: Hall Property	Date Sampled: 01/31/05
208 West El Pintado Road		Date Received: 01/31/05
Danville, CA 94526	Client Contact: Robert Kitay	Date Extracted: 01/31/05
	Client P.O.:	Date Analyzed: 02/02/05

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C

Analytical Method: SW8270D

Work Order: 0501421

Lab ID	0501421-003A							
Client ID		BH-A 11.5'						
Matrix				Soil				
Compound	Concentration *	DF	Reporting Limit	Сотроила	Concentration *	DF	Reporting Limit	
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33	
Acetochlor	ND	1.0	0.33	Anthracene	ND	1.0	0.33	
Benzidine	ND	1.0	1.6	Benzoic Acid	ND	1.0	1.6	
Benzo(a)anthracene	ND	1.0	0.33	Benzo(b)fluoranthene	ND	1.0	0.33	
Benzo(k)fluoranthene	ND	1.0	0.33	Benzo(g,h,i)perylene	ND	1.0	0.33	
Benzo(a)pyrene	ND	1.0	0.33	Benzyl Alcohol	ND	1.0	0.66	
Bis (2-chloroethoxy) Methane	ND	1.0	0.33	Bis (2-chloroethyl) Ether	ND	1.0	0.33	
Bis (2-chloroisopropyl) Ether	ND	1.0	0.33	Bis (2-ethylhexyl) Adipate	ND	1.0	0.33	
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33	
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66	
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33	
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33	
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33	
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33	
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33	
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66	
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33	
2,4-Dimethylphenot	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33	
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6	
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33	
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33	
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33	
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33	
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33	
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33	
2-Methylnaphthalene	ND	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33	
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33	
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6	
4-Nitroaniline	ND	1.0	1.6	Nitrobenzene	ND	1.0	1.6	
2-Nitrophenol	ND	1.0	1.6	4-Nitrophenol	ND	1.0	1.6	
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33	
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33	
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33	
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33	
2,4,6-Trichlorophenol	ND	1.0	0.33		1,2		0.55	
		Surr	ogate Re	coveries (%)				
%SS1:	80		T	%SS2:	81			
%SS3:	93		-	%SS4:	80			
%SS5:	86			%SS6:	81			
					01			

* water samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.





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Aqua Science Engineers, Inc.	Client Project ID: Hall Property	Date Sampled: 01/31/05			
208 West El Pintado Road		Date Received: 01/31/05			
Danville, CA 94526	Client Contact: Robert Kitay	Date Extracted: 01/31/05			
	Client P.O.:	Date Analyzed: 02/02/05			

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C

Analytical Method: SW8270D

Work Order: 0501421

	T			midd: 3W8270D	Worl	k Order: (/301421
Lab ID	0501421-006A						
Client ID	BH-B 11.5'						
Matrix	Soil						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reportir
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Acetochlor	ND	1.0	0.33	Anthracene	ND	1.0	0.33
Benzidine	ND	1.0	1.6	Benzoic Acid	ND	1.0	1.6
Benzo(a)anthracene	ND	1.0	0.33	Benzo(b)fluoranthene	ND	1.0	0.33
Benzo(k)fluoranthene	ND	1.0	0.33	Benzo(g,h,i)perylene	ND	1.0	0.33
Вепхо(а)ругене	ND	1.0	0.33	Benzyl Alcohol	ND	1.0	0.66
Bis (2-chloroethoxy) Methane	ND	1.0	0.33	Bis (2-chloroethyl) Ether	ND	1.0	0.33
Bis (2-chloroisopropyl) Ether	ND	1.0	0.33	Bis (2-ethylhexyl) Adipate	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	ND	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	Nitrobenzene	ND	1.0	1.6
2-Nitrophenol	ND	1.0	1.6	4-Nitrophenol	ND	1.0	1.6
N-Nitrosodiphenylamine	ND	1.0		N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0		Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	
1,2,4-Trichlorobenzene	ND	1.0		2,4,5-Trichlorophenol	ND ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33	-, Indianophotion	ND	1.0	0.33
		Surr	ogate Re	coveries (%)			
%SS1:	77			%SS2:	81		
%SS3:	83			%SS4:	82		
%SS5:	84			%SS6:	77		

Sur logate Recoveries (76)								
%SS1:	77	%SS2:	81					
%SS3:	83	%SS4:	82					
%SS5:	84	%SS6:	77					
Comments:								

^{*} water samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/nonaqueous liquid samples in mg/L.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.



ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

^{#)} surrogate diluted out of range; &) low or no surrogate due to matrix interference.



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Aqua Science Engineers, Inc.	Client Project ID: Hall Property	Date Sampled: 01/31/05
208 West El Pintado Road		Date Received: 01/31/05
Danville, CA 94526	Client Contact: Robert Kitay	Date Extracted: 01/31/05
Danvine, 01 74320	Client P.O.:	Date Analyzed: 02/02/05

Semi-Volatile Organics by GC/MS (Basic Target List)*

Lab ID Client ID Matrix Compound Acenaphthene Acetochlor Benzoidine Benzo(a)anthracene Benzo(k)fluoranthene Benzo(a)pyrene Bis (2-chloroethoxy) Methane Bis (2-chloroisopropyl) Ether	Concentration * ND ND ND ND ND ND ND ND ND N	DF 1.0 1.0 1.0 1.0	Reporting Limit 0.33 0.33 1.6 0.33	0501421-009A BH-C 10.0' Soil Compound Acenaphthylene Anthracene Benzoic Acid	Concentration * ND ND	DF 1.0	Reporting Limit
Matrix Compound Acenaphthene Acetochlor Benzidine Benzo(a)anthracene Benzo(k)fluoranthene Benzo(a)pyrene Bis (2-chloroethoxy) Methane Bis (2-chloroisopropyl) Ether	ND	1.0 1.0 1.0 1.0	0.33 0.33 1.6 0.33	Soil Compound Acenaphthylene Anthracene	ND	1.0	Limit
Compound Acenaphthene Acetochlor Benzidine Benzo(a)anthracene Benzo(k)fluoranthene Benzo(a)pyrene Bis (2-chloroethoxy) Methane Bis (2-chloroisopropyl) Ether	ND	1.0 1.0 1.0 1.0	0.33 0.33 1.6 0.33	Compound Acenaphthylene Anthracene	ND	1.0	Limit
Acenaphthene Acetochlor Benzidine Benzo(a)anthracene Benzo(k)fluoranthene Benzo(a)pyrene Bis (2-chloroethoxy) Methane Bis (2-chloroisopropyl) Ether	ND	1.0 1.0 1.0 1.0	0.33 0.33 1.6 0.33	Acenaphthylene Anthracene	ND	1.0	Limit
Acetochlor Benzidine Benzo(a)anthracene Benzo(k)fluoranthene Benzo(a)pyrene Bis (2-chloroethoxy) Methane Bis (2-chloroisopropyl) Ether	ND	1.0 1.0 1.0	0.33 1.6 0.33	Anthracene			0.33
Benzidine Benzo(a)anthracene Benzo(k)fluoranthene Benzo(a)pyrene Bis (2-chloroethoxy) Methane Bis (2-chloroisopropyl) Ether	ND	1.0 1.0 1.0	1.6 0.33		ND	4.0	
Benzo(a)anthracene Benzo(k)fluoranthene Benzo(a)pyrene Bis (2-chloroethoxy) Methane Bis (2-chloroisopropyl) Ether	ND ND ND ND ND	1.0	0.33	Benzoic Acid		1.0	0.33
Benzo(k)fluoranthene Benzo(a)pyrene Bis (2-chloroethoxy) Methane Bis (2-chloroisopropyl) Ether	ND ND ND ND	1.0		Denzoie raciu	ND	1.0	1.6
Bis (2-chloroethoxy) Methane Bis (2-chloroisopropyl) Ether	ND ND ND			Benzo(b)fluoranthene	ND	1.0	0.33
Bis (2-chloroethoxy) Methane Bis (2-chloroisopropyl) Ether	ND ND	1.0	0.33	Benzo(g,h,i)perylene	ND	1.0	0.33
Bis (2-chloroisopropyl) Ether	ND		0.33	Benzyl Alcohol	ND	1.0	0.66
		1.0	0.33	Bis (2-chloroethyl) Ether	ND	1.0	0.33
		1.0	0.33	Bis (2-ethylhexyl) Adipate	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	0.1	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	ND	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	Nitrobenzene	ND	1.0	1.6
2-Nitrophenol	ND	1.0	1.6	4-Nitrophenol	ND	1.0	1.6
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33	and the state of t		1.0	_ CC. V
		Suri	ogate Re	coveries (%)			
%SS1:	75			%SS2:	81		
%SS3:	81			%SS4:	81		
%SS5:	80	•		%SS6:	76		

Comments:

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.



^{*} water samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

^{#)} surrogate diluted out of range; &) low or no surrogate due to matrix interference.



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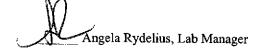
LY Website: ww			website: www.i	nccampoen.com	n E-mail: main@mccam	beil.com		
Aqua Science Engineers, Inc.	Client Ртој	ect ID:	Hall I	Property	Date Sampled: 01/31/05			
208 West El Pintado Road				,	Date Received: 01/31/05			
Danville, CA 94526	Client Con	Client Contact: Robert Kitay				acted: 01/31/05	•	
Danimi, 0.17 (0.20	Client P.O.	Client P.O.: Date Analyzed: 02/03						
	Semi-Volatile	Orgai	iies by	GC/MS (Basic Targ	get List)*			
Extraction Method: SW3550C		Ana	alytical Me	thod: SW8270D		Worl	Order: 0	501421
Lab ID		0501421-012A						
Client ID		BH-D 10.0'						
Matrix		Soil						
Compound	Concentration *	DF	Reporting Limit	Compound	1	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene		ND	1.0	0.33
Acetochlor	ND	1.0	0.33	Anthracene		ND	1.0	0.33
Benzidine	ND	1.0	1.6	Benzoic Acid	-	ND	1.0	1.6
Benzo(a)anthracene	ND	1.0	0.33	Benzo(b)fluoranthene		ND	1.0	0.33
Benzo(k)fluoranthene	ND	1.0	0.33	Benzo(g,h,i)perylene		ND	1.0	0.33
Вепго(а)рутепе	ND	1.0	0.33	Benzyl Alcohol		ND	1.0	0.66
Bis (2-chloroethoxy) Methane	ND	1.0	0.33	Bis (2-chloroethyl) Ethe	r	ND	1.0	0.33
Bis (2-chloroisopropyl) Ether	ND ND	1.0	0.33	Bis (2-ethylhexyl) Adipa		ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl I	Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline		ND_	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene		ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl l	Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene		ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-hutyl Phthalate		ND	1.0	0.32

Dis (2-cillotoisopropyi) Euler	ND	1.0	0.33	Bis (2-ethylnexyl) Adipate	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND_	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	ND	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	Nitrobenzene	ND	1.0	1.6
2-Nitrophenol	ND	1.0	1.6	4-Nitrophenol	ND	1.0	1.6
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Рутепе	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				
		Surr	ogate Re	ecoveries (%)			
9/551							

		gate Recoveries (%)	
%SS1:	77	%SS2:	81
%SS3:	84	%SS4:	
%SS5:	87	%SS6:	78
Comments			

^{*} water samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.



ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

^{#)} surrogate diluted out of range; &) low or no surrogate due to matrix interference.



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Aqua Science Engineers, Inc.	Client Project ID: Hall Property	Date Sampled: 01/31/05
208 West El Pintado Road		Date Received: 01/31/05
Danville, CA 94526	Client Contact: Robert Kitay	Date Extracted: 01/31/05
	Client P.O.:	Date Analyzed: 02/02/05

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3510C Analytical Method: SW8270D Work Order: 0501421

Lab ID	0501421-013B			<u></u>			
Client ID	ВН-А						
Matrix				Water	· · · · · · · · · · · · · · · · · · ·		
Compound	Concentration *	DF	Reporting Limit		Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	10	Acenaphthylene	ND	1.0	10
Acetochlor	ND	1.0	10	Anthracene	ND	1.0	10
Benzidine	ND	1.0	50	Benzoic Acid	ND	1.0	50
Benzo(a)anthracene	ND	1.0	10	Benzo(b)fluoranthene	ND	1.0	10
Benzo(k)fluoranthene	ND	1.0	10	Benzo(g,h,i)perylene	ND	1.0	10
Benzo(a)pyrene	ND	1.0	10	Benzyl Alcohol	ND	1.0	20
Bis (2-chloroethoxy) Methane	ND	1.0	10	Bis (2-chloroethyl) Ether	ND	1.0	10
Bis (2-chloroisopropyl) Ether	ND	1.0	10	Bis (2-ethylhexyl) Adipate	ND	1.0	10
Bis (2-ethylhexyl) Phthalate	ND	1.0	10	4-Bromophenyl Phenyl Ether	ND	1.0	10
Butylbenzyl Phthalate	ND	1.0	10	4-Chloroaniline	ND	1.0	20
4-Chloro-3-methylphenol	ND	1.0	10	2-Chloronaphthalene	ND	1.0	10
2-Chlorophenol	ND	1.0	10	4-Chlorophenyl Phenyl Ether	ND	1.0	10
Chrysene	ND	1.0	10	Dibenzo(a,h)anthracene	ND	1.0	10
Dibenzofuran	ND	1.0	10	Di-n-butyl Phthalate	ND	1.0	10
1,2-Dichlorobenzene	ND	1.0	10	1,3-Dichlorobenzene	ND	1.0	10
1,4-Dichlorobenzene	ND	1.0	10	3,3-Dichlorobenzidine	ND	1.0	20
2,4-Dichlorophenol	ND	1.0	10	Diethyl Phthalate	ND	1.0	10
2,4-Dimethylphenol	ND	1.0	10	Dimethyl Phthalate	ND	1.0	10
4,6-Dinitro-2-methylphenol	ND	1.0	50	2,4-Dinitrophenol	ND	1.0	50
2,4-Dinitrotoluene	ND	1.0	10	2,6-Dinitrotoluene	ND	1.0	10
Di-n-octyl Phthalate	ND	1.0	10	1,2-Diphenylhydrazine	ND	1.0	10
Fluoranthene	ND	1.0	10	Fluorene	ND	1.0	10
Hexachlorobenzene	ND	1.0	10	Hexachlorobutadiene	ND	1.0	10
Hexachlorocyclopentadiene	ND	1.0	50	Hexachloroethane	ND	1.0	10
Indeno (1,2,3-cd) pyrene	ND	1.0	10	Isophorone	ND	1.0	10
2-Methylnaphthalene	ND	1.0	10	2-Methylphenol (o-Cresol)	ND	1.0	10
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	10	Naphthalene	ND	1.0	10
2-Nitroaniline	ND	1.0	50	3-Nitroaniline	ND	1.0	50
4-Nitroaniline	ND	1.0	50	Nitrobenzene	ND	1.0	50
2-Nitrophenol	ND	1.0	50	4-Nitrophenol	ND	1.0	50
N-Nitrosodiphenylamine	ND	1.0	10	N-Nitrosodi-n-propylamine	ND	1.0	10
Pentachlorophenol	ND	1.0	50	Phenanthrene	ND	1.0	10
Phenol	ND	1.0	10	Pyrene	ND	1.0	10
1,2,4-Trichlorobenzene	ND	1.0	10	2,4,5-Trichlorophenol	ND	1.0	10
2,4,6-Trichlorophenol	ND	1.0	10				1
		Surr	ogate Re	ecoveries (%)			
%\$\$1:	112			%SS2:	91		
%SS3:	111			%SS4:	100		v·/
%SS5:	110		•	0/556.	02		

%SS1:	112	%SS2:	91
%SS3:	111	%SS4:	100
%SS5:	110	%\$\$6:	92
Comments: i			

^{*} water samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/nonaqueous liquid samples in mg/L.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.



ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

^{#)} surrogate diluted out of range; &) low or no surrogate due to matrix interference.



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Aqua Science Engineers, Inc.	Client Project ID: Hall Property	Date Sampled: 01/31/05
208 West El Pintado Road		Date Received: 01/31/05
Danville, CA 94526	Client Contact: Robert Kitay	Date Extracted: 01/31/05
	Client P.O.:	Date Analyzed: 02/02/05

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3510C Analytical Method: SW8270D Work Order: 050142

ZAGGERON FACINGS BY 3516C	Alialytical Method: SW8270D	work Order: US01421
Lab ID	0501421-01	4B
Client ID	ВН-В	
Matrix	Water	
· · · · · · · · · · · · · · · · · · ·	Reporting	Remorting

Compound Concentration * DF Reporting Limit Compound Concentration * DF Acenaphthene ND 1.0 1.0 Acenaphthylene ND 1.0 Acenaphthylene ND 1.0 Acetachlor ND 1.0 10 Anthracene ND 1.0 Benzidine ND 1.0 50 Benzoic Acid ND 1.0 Benzidine ND 1.0 10 Benzoic Acid ND 1.0 Acentonic Acid ND 1.0	
Acetochlor	Reporting Limit
Benzidine ND 1.0 50 Benzoic Acid ND 1.0	10
Benzo(a)anthracene	10
Benzo(k)fluoranthene	50
Benzo(a)pyrene ND 1.0 10 Benzyl Alcohol ND 1.0 1.0	10
Bis (2-chloroethoxy) Methane ND 1.0 10 Bis (2-chloroethyl) Ether ND 1.0	10
Bis (2-chloroisopropyl) Ether ND 1.0 10 Bis (2-ethylhexyl) Adipate ND 1.0	20
Bis (2-ethylhexyl) Phthalate ND 1.0 10 4-Bromophenyl Phenyl Ether ND 1.0	10
Butylbenzyl Phthalate	10
4-Chloro-3-methylphenol ND 1.0 10 2-Chloronaphthalene ND 1.0 2-Chlorophenol ND 1.0 10 4-Chlorophenyl Phenyl Ether ND 1.0 Chrysene ND 1.0 10 Dibenzo(a,h)anthracene ND 1.0 Dibenzofuran ND 1.0 10 Di-n-butyl Phthalate ND 1.0 1,2-Dichlorobenzene ND 1.0 10 1,3-Dichlorobenzene ND 1.0 1,4-Dichlorobenzene ND 1.0 10 3,3-Dichlorobenzidine ND 1.0 2,4-Dichlorophenol ND 1.0 10 Diethyl Phthalate ND 1.0 2,4-Dimethylphenol ND 1.0 10 Dimethyl Phthalate ND 1.0 4,6-Dinitro-2-methylphenol ND 1.0 50 2,4-Dinitrophenol ND 1.0 2,4-Dinitrotoluene ND 1.0 10 2,6-Dinitrotoluene ND 1.0	10
4-Chloro-3-methylphenol ND 1.0 10 2-Chloronaphthalene ND 1.0 2-Chlorophenol ND 1.0 10 4-Chlorophenyl Phenyl Ether ND 1.0 Chrysene ND 1.0 10 Dibenzo(a,h)anthracene ND 1.0 Dibenzofuran ND 1.0 10 Di-n-butyl Phthalate ND 1.0 1,2-Dichlorobenzene ND 1.0 10 1,3-Dichlorobenzene ND 1.0 1,4-Dichlorobenzene ND 1.0 10 3,3-Dichlorobenzidine ND 1.0 2,4-Dichlorophenol ND 1.0 10 Diethyl Phthalate ND 1.0 2,4-Dimethylphenol ND 1.0 10 Dimethyl Phthalate ND 1.0 4,6-Dinitro-2-methylphenol ND 1.0 50 2,4-Dinitrophenol ND 1.0 2,4-Dinitrotoluene ND 1.0 2,6-Dinitrotoluene ND 1.0	20
Chrysene ND 1.0 10 Dibenzo(a,h)anthracene ND 1.0 Dibenzofuran ND 1.0 10 Di-n-butyl Phthalate ND 1.0 1,2-Dichlorobenzene ND 1.0 10 1,3-Dichlorobenzene ND 1.0 1,4-Dichlorobenzene ND 1.0 10 3,3-Dichlorobenzidine ND 1.0 2,4-Dichlorophenol ND 1.0 10 Diethyl Phthalate ND 1.0 2,4-Dimethylphenol ND 1.0 10 Dimethyl Phthalate ND 1.0 4,6-Dinitro-2-methylphenol ND 1.0 50 2,4-Dinitrophenol ND 1.0 2,4-Dinitrotoluene ND 1.0 10 2,6-Dinitrotoluene ND 1.0	10
Dibenzofuran ND 1.0 10 Di-n-butyl Phthalate ND 1.0 1,2-Dichlorobenzene ND 1.0 10 1,3-Dichlorobenzene ND 1.0 1,4-Dichlorobenzene ND 1.0 10 3,3-Dichlorobenzidine ND 1.0 2,4-Dichlorophenol ND 1.0 10 Diethyl Phthalate ND 1.0 2,4-Dimethylphenol ND 1.0 10 Dimethyl Phthalate ND 1.0 4,6-Dinitro-2-methylphenol ND 1.0 50 2,4-Dinitrophenol ND 1.0 2,4-Dinitrotoluene ND 1.0 10 2,6-Dinitrotoluene ND 1.0	10
1,2-Dichlorobenzene ND 1.0 10 1,3-Dichlorobenzene ND 1.0 1,4-Dichlorobenzene ND 1.0 10 3,3-Dichlorobenzene ND 1.0 2,4-Dichlorophenol ND 1.0 10 Diethyl Phthalate ND 1.0 2,4-Dimethylphenol ND 1.0 10 Dimethyl Phthalate ND 1.0 4,6-Dinitro-2-methylphenol ND 1.0 50 2,4-Dinitrophenol ND 1.0 2,4-Dinitrotoluene ND 1.0 10 2,6-Dinitrotoluene ND 1.0	10
1,4-Dichlorobenzene ND 1.0 10 3,3-Dichlorobenzidine ND 1.0 2,4-Dichlorophenol ND 1.0 10 Diethyl Phthalate ND 1.0 2,4-Dimethylphenol ND 1.0 10 Dimethyl Phthalate ND 1.0 4,6-Dinitro-2-methylphenol ND 1.0 50 2,4-Dinitrophenol ND 1.0 2,4-Dinitrotoluene ND 1.0 10 2,6-Dinitrotoluene ND 1.0	10
2,4-Dichlorophenol ND 1.0 10 Diethyl Phthalate ND 1.0 2,4-Dimethylphenol ND 1.0 10 Dimethyl Phthalate ND 1.0 4,6-Dinitro-2-methylphenol ND 1.0 50 2,4-Dinitrophenol ND 1.0 2,4-Dinitrotoluene ND 1.0 10 2,6-Dinitrotoluene ND 1.0	10
2,4-Dichlorophenol ND 1.0 10 Diethyl Phthalate ND 1.0 2,4-Dimethylphenol ND 1.0 10 Dimethyl Phthalate ND 1.0 4,6-Dinitro-2-methylphenol ND 1.0 50 2,4-Dinitrophenol ND 1.0 2,4-Dinitrotoluene ND 1.0 10 2,6-Dinitrotoluene ND 1.0	20
2,4-Dimethylphenol ND 1.0 10 Dimethyl Phthalate ND 1.0 4,6-Dinitro-2-methylphenol ND 1.0 50 2,4-Dinitrophenol ND 1.0 2,4-Dinitrotoluene ND 1.0 10 2,6-Dinitrotoluene ND 1.0	10
4,6-Dinitro-2-methylphenol ND 1.0 50 2,4-Dinitrophenol ND 1.0 2,4-Dinitrotoluene ND 1.0 10 2,6-Dinitrotoluene ND 1.0	10
1.0 10 2,0 2 introtoracine 140 1.0	50
	10
Di-n-octyl Phthalate ND 1.0 to 1,2-Diphenylhydrazine ND 1.0	10
Fluoranthene ND 1.0 10 Fluorene ND 1.0	10
Hexachlorobenzene ND 1.0 10 Hexachlorobutadiene ND 1.0	10
Hexachlorocyclopentadiene ND 1.0 50 Hexachloroethane ND 1.0	10
Indeno (1,2,3-cd) pyrene ND 1.0 10 Isophorone ND 1.0	10
2-Methylnaphthalene ND 1.0 10 2-Methylphenol (o-Cresol) ND 1.0	10
3 &/or 4-Methylphenol (m,p-Cresol) ND 1.0 10 Naphthalene ND 1.0	10
2-Nitroaniline ND 1.0 50 3-Nitroaniline ND 1.0	50
4-Nitroaniline ND 1.0 50 Nitrobenzene ND 1.0	50
2-Nitrophenol ND 1.0 50 4-Nitrophenol ND 1.0	50
N-Nitrosodiphenylamine ND 1.0 10 N-Nitrosodi-n-propylamine ND 1.0	10
Pentachlorophenol ND 1.0 50 Phenanthrene ND 1.0	10
Phenol ND 1.0 10 Pyrene ND 1.0	10
1,2,4-Trichlorobenzene ND 1.0 10 2,4,5-Trichlorophenol ND 1.0	10
2,4,6-Trichlorophenol ND 1.0 10	10

		gate Recoveries (%)	
%SS1:	117	%SS2:	93
%SS3:	118	%SS4:	109
%SS5:	102	%SS6:	115

^{*} water samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.



ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

^{#)} surrogate diluted out of range; &) low or no surrogate due to matrix interference.



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Aqua Science Engineers, Inc.	Client Project ID: Hall Property	Date Sampled: 01/31/05
208 West El Pintado Road		Date Received: 01/31/05
Danville, CA 94526	Client Contact: Robert Kitay	Date Extracted: 01/31/05
Danving, 0117/020	Client P.O.:	Date Analyzed: 02/02/05

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3510C Analytical Method: SW8270D

Work Order: 0501421

Lab ID	0501421-015B						
Client ID		-		ВН-С			
Matrix				Water			
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	10	Acenaphthylene	ND	1.0	10
Acetochlor	ND ND	1.0	10	Anthracene	ND	1.0	10
Benzidine	ND	1.0	50	Benzoic Acid	ND	1.0	50
Benzo(a)anthracene	ND	1.0	10	Benzo(b)fluoranthene	ND	1.0	10
Benzo(k)fluoranthene	ND	I.0 10 Benzo(g,h,i)perylene		ND	1.0	10	
Benzo(a)pyrene	ND	1.0	10	Benzyl Alcohol	ND	1.0	20
Bis (2-chloroethoxy) Methane	ND	1.0	10	Bis (2-chloroethyl) Ether	ND	1.0	10
Bis (2-chloroisopropyl) Ether	ND	1.0	10	Bis (2-ethylhexyl) Adipate	ND	1.0	10
Bis (2-ethylhexyl) Phthalate	ND	1.0	10	4-Bromophenyl Phenyl Ether	ND	1.0	10
Butylbenzyl Phthalate	ND	1.0	10	4-Chloroaniline	ND	1.0	20
4-Chloro-3-methylphenol	ND	1.0	10	2-Chloronaphthalene	ND	1.0	10
2-Chlorophenol	ND	1.0	10	4-Chlorophenyl Phenyl Ether	ND	1.0	10
Chrysene	ND	1.0			ND	1.0	10
Dibenzofuran	ND	1.0	10	Di-n-butyl Phthalate	ND	1.0	10
1,2-Dichlorobenzene	ND	1.0	10	1,3-Dichlorobenzene	ND	1.0	10
1,4-Dichlorobenzene	ND	1.0	10	3,3-Dichlorobenzidine	ND	1.0	20
2,4-Dichlorophenol	ND	1.0	10	Diethyl Phthalate	ND	1.0	10
2,4-Dimethylphenol	ND	1.0	10	Dimethyl Phthalate	ND	1.0	10
4,6-Dinitro-2-methylphenol	ND	1.0			ND	1.0	50
2,4-Dinitrotoluene	ND	1.0			ND	1.0	10
Di-n-octyl Phthalate	ND	1.0 10 1,2-Diphenylhydrazine		ND	1.0	10	
Fluoranthene	ND	1.0	10	Fluorene	ND	1.0	10
Hexachlorobenzene	ND	1.0	10	Hexachlorobutadiene	ND	1.0	10
Hexachlorocyclopentadiene	ND	1.0	50	Hexachloroethane	ND	1.0	10
Indeno (1,2,3-cd) pyrene	ND	1.0	10	Isophorone	ND	1.0	10
2-Methylnaphthalene	ND	1.0	10	2-Methylphenol (o-Cresol)	ND	1.0	10
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	10	Naphthalene	ND	1.0	10
2-Nitroaniline	ND	1.0			ND	1.0	50
4-Nitroaniline	ND	1.0	50	Nitrobenzene	ND	1.0	50
2-Nitrophenol	ND	1.0	50	4-Nitrophenol	ND	1.0	50
N-Nitrosodiphenylamine	ND	1.0	10	N-Nitrosodi-n-propylamine	ND	1.0	10
Pentachlorophenol	ND	1.0	50	Phenanthrene	ND	1.0	10
Phenol	ND	1.0	10	Pyrene	ND	1.0	10
1,2,4-Trichlorobenzene	ND	1.0	10	2,4,5-Trichlorophenol	ND	1.0	10
2,4,6-Trichlorophenol	ND	1.0	10				
		Surr	ogate Re	coveries (%)			
%SS1:	105			%SS2:	95		
%SS3:	104			%SS4:	100)	
%SS5:	89			%SS6:	100		

		gate Recoveries (%)	
%SS1:	105	%SS2:	95
%SS3:	104	%SS4:	100
%SS5:	89	%SS6:	102
Community:			

^{*} water samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/nonaqueous liquid samples in mg/L.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.



ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

^{#)} surrogate diluted out of range; &) low or no surrogate due to matrix interference.



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Aqua Science Engineers, Inc.	Client Project ID: Hall Property	Date Sampled: 01/31/05
208 West El Pintado Road		Date Received: 01/31/05
Danville, CA 94526	Client Contact: Robert Kitay	Date Extracted: 01/31/05
	Client P.O.:	Date Analyzed: 02/02/05

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3510C

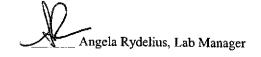
Analytical Method: SW8270D

Work Order: 0501421

Lab ID		0501421-016B					
Client ID			*	BH-D			
Matrix			~ <u>.</u>	Water			
Compound	Concentration *	DF	Reporting Limit		Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	10	Acenaphthylene	ND	1.0	10
Acetochlor	ND	1.0	10	Anthracene	ND	1.0	10
Benzidine	ND	1.0	50	Benzoic Acid	ND	1.0	50
Benzo(a)anthracene	ND	1.0	10	Benzo(b)fluoranthene	ND	1.0	10
Benzo(k)fluoranthene	ND	1.0	10	Benzo(g,h,i)perylene	ND	1.0	10
Benzo(a)pyrene	ND	1.0	10	Benzyl Alcohol	ND	1.0	20
Bis (2-chloroethoxy) Methane	ND	1.0	10	Bis (2-chloroethyl) Ether	ND	1.0	10
Bis (2-chloroisopropyl) Ether	ND	1.0	10	Bis (2-ethylhexyl) Adipate	ND	1.0	10
Bis (2-ethylhexyl) Phthalate	ND	1.0	10	4-Bromophenyl Phenyl Ether	ND	1.0	10
Butylbenzyl Phthalate	ND	1.0	10	4-Chloroaniline	ND	1.0	20
4-Chloro-3-methylphenol	ND	1.0	10	2-Chloronaphthalene	ND	1.0	10
2-Chlorophenol	ND	1.0	10	4-Chlorophenyl Phenyl Ether	ND	1.0	10
Chrysene	ND	1.0	10	Dibenzo(a,h)anthracene	ND	1.0	10
Dibenzofuran	ND	1.0	10	Di-n-butyl Phthalate	ND	1.0	10
1,2-Dichlorobenzene	ND	1.0	10	1,3-Dichlorobenzene	ND	1.0	10
1,4-Dichlorobenzene	ND	1.0	10	3,3-Dichlorobenzidine	ND	1.0	20
2,4-Dichlorophenol	ND	1.0	10	Diethyl Phthalate	ND	1.0	10
2,4-Dimethylphenol	ND	1.0	10	Dimethyl Phthalate	ND	1.0	10
4,6-Dinitro-2-methylphenol	ND	1.0	50	2,4-Dinitrophenol	ND	1.0	50
2,4-Dinitrotoluene	ND	1.0	10	2,6-Dinitrotoluene	ND	1.0	10
Di-n-octyl Phthalate	ND	1.0	10			1.0	10
Fluoranthene	ND	1.0	10			1.0	10
Hexachlorobenzene	ND	1.0	10			1.0	10
Hexachlorocyclopentadiene	ND	1.0	50	Hexachloroethane	ND	1.0	10
Indeno (1,2,3-cd) pyrene	ND	1.0	10	Isophorone	ND	1.0	10
2-Methylnaphthalene	ND	1.0	10	2-Methylphenol (o-Cresol)	ND	1.0	10
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	10	Naphthalene	ND	1.0	10
2-Nitroaniline	ND	1.0	50	3-Nitroaniline	ND	1.0	50
4-Nitroaniline	ND	1.0	50	Nitrobenzene	ND	1.0	50
2-Nitrophenol	ND	1.0	50	4-Nitrophenol	ND	1.0	50
N-Nitrosodiphenylamine	ND	1.0	10	N-Nitrosodi-n-propylamine	ND	1.0	10
Pentachlorophenol	ND	1.0	50	Phenanthrene	ND	1.0	10
Phenol	ND	1.0	10	Pyrene	ND	1.0	10
1,2,4-Trichlorobenzene	ND	1.0	10	2,4,5-Trichlorophenol	ND	1.0	10
2,4,6-Trichlorophenol	ND	1.0	10			1.0	
		Surr	ogate Re	coveries (%)			
%SS1:	109		<u> </u>				
%SS3:	108			%SS4:	97		
%SS5:	98			%SS6:	101		
уб		%550: 103					

^{*} water samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/nonaqueous liquid samples in mg/L.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.



Comments: i

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

^{#)} surrogate diluted out of range; &) low or no surrogate due to matrix interference.



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Aqua Science Engineers, Inc.	Client Project ID: Hall Property	Date Sampled: 01/31/05
208 West El Pintado Road		Date Received: 01/31/05
Danville, CA 94526	Client Contact: Robert Kitay	Date Extracted: 01/31/05
	Client P.O.:	Date Analyzed: 02/01/05

CAM / CCR 17 Metals*

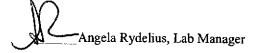
Lab ID	0501421-003A	0501421-006A	0501421-009A	0501421-012A		nit for DF =1;
Client ID	BH-A 11.5'	BH-B 11.5'	BH-C 10.0'	BH-D 10.0'	ND means i above the re	not detected porting limit
Matrix	S	S	S	S	s	w
Extraction Type	TTLC	TTLC	TTLC	TTLC	mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A	Extraction Method: SW3050B				Work Ord	ler: 0501421
Dilution Factor	1	1	1	1	1	1
Antimony	ND	ND	ND	ND	0.5	NA
Arsenic	2.4	2.3	2.8	3.5	0.5	NA
Barium	58_	73	59	91	5.0	NA
Beryllium	ND	ND	ND	ND	0.5	NA
Cadmium	ND	ND	ND	ND	0.25	NA
Chromium	39	50	39	69	0.5	NA
Cobalt	4.9	4.7	5.3	5.6	0.5	NA
Copper	6.7	7.5	6.4	12	0.5	NA
Lead	2.5	2.6	2.4	4.1	0.5	NA
Mercury	ND	ND	ND	ND	0.05	NA
Molybdenum	ND	ND	ND	ND	0.5	NA
Nickel	32	35	32	56	0.5	NA
Selenium	ND	ND	ND	ND	0.5	NA
Silver	ND	ND	ND	ND	0.5	NA
Thallium	ND	ND	ND	ND	0.5	NA
Vanadium	30	32	32	45	0.5	NA
Zinc	20	29	22	29	5.0	NA.
%SS:	97	100	100	100	1	

Comment

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/soild samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.



[#] means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digiested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narative.



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Telephone: 925-798-1620 Fax: 925-798-1622
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Aqua Science Engineers, Inc.	Client Project ID: Hall Property	Date Sampled: 01/31/05
208 West El Pintado Road		Date Received: 01/31/05
Danville, CA 94526	Client Contact: Robert Kitay	Date Extracted: 01/31/05
Danvino, 01171020	Client P.O.:	Date Analyzed: 01/31/05-02/01/05

CAM / CCR 17 Metals*

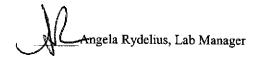
			0501421-015E	0501421-016E		nit for DF=1;
Client ID	BH-A	ВН-В	вн-с	BH-D	ND means r above the re	not detected porting limit
Matrix	W	W	W	W	S	w
Extraction Type	DISS.	DISS.	DISS.	DISS.	mg/kg	μg/L

ICP-MS Metals, Concentration*

Analytical Method: E200.8		traction Method: E200.8		Work Order: 050142:		
Dilution Factor	1	1	1	1	1_	1
Antimony	ND	ND	ND	ND	NA	0.5
Arsenic	ND	ND	ND	ND	NA	0.5
Barium	81	35	43	30	NA	5.0
Beryllium	ND	ND	ND	ND	NA	0.5
Cadmium	ND	ND	ND	ND	NA.	0.25
Chromium	ND	ND	ND	ND	NA	0.5
Cobalt	5.4	2.7	4.4	5.1	NA	0.5
Copper	0.61	1.9	ND ND	ND	NA	0.5
Lead	ND	ND	ND	ND	NA	0.5
Mercury	ND	ND	ND	ND	NA	0.05
Molybdenum	18	10	19	16	NA	0.5
Nickel	9.1	4.7	7.1	11	NA	0.5
Selenium	ND	ND	4.3	ND	NA	0.5
Silver	ND	ND	ND	ND	NA	0.5
Thallium	ND	ND	ND	ND	NA	0.5
Vanadium	0.56	0.57	0.60	ND	NA	0.5
Zinc	ND	ND	ND	ND	NA	5.0
%SS:	N/A	N/A	N/A	N/A	1	

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L,
soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.
a a manufacture of manufacture of the contribution of the state of the

[#] means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.



Comments

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digiested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narative.

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0501421

EPA Method: SW8021	B/8015Cm E	extraction:	SW5030	В	Batch	ID: 14863	S	piked Samp	le ID: 0501	417-001A
Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptanc	e Criteria (%)
•	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSC
TPH(btex) [£]	ND	0.60	82.7	80.9	2.21	95.6	96.5	0.940	70 - 130	70 - 130
мтве	ND	0.10	82	88.7	7.83	86.3	91.8	6.14	70 - 130	70 - 130
Benzene	ND	0.10	85.6	90.8	5.80	100	108	7.13	70 - 130	70 - 130
Toluene	ND	0.10	85	89.7	5.38	100	107	7.03	70 - 130	70 - 130
Ethylbenzene	ND	0.10	87.6	92.3	5.23	104	112	7.23	70 - 130	70 - 130
Xylenes	ND	0.30	89.3	94	5.09	103	113	9.23	70 - 130	70 - 130
%SS:	90	0.10	88	100	13.2	101	99	2.10	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons; a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

M QA/QC Officer



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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0501421

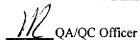
EPA Method: SW80210	3/8015Cm E	Extraction:	SW5030E	3	Batch	ID: 14868	S	piked Samp	le ID: 0502	001-001A
Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%
	µg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSE
TPH(btex) [£]	ND	60	86.7	83.1	4.28	82	83.7	2.11	70 - 130	70 - 130
MTBE	ND	10	87	85.7	1.53	80.5	82.4	2.38	70 - 130	70 - 130
Benzene	ND	10	91.2	92.4	1.32	86.3	90.9	5.18	70 - 130	70 - 130
Toluene	ND	10	91.4	91.7	0.325	86.3	90.3	4.61	70 - 130	70 - 130
Ethylbenzene	ND	10	92.5	92.9	0.533	87.7	91.9	4.70	70 - 130	70 - 130
Xylenes	ND	30	93.7	94	0.355	89.3	94	5.09	70 - 130	70 - 130
%SS:	118	10	106	105	0.710	100	102	1.79	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

[£] TPH(btex) = sum of BTEX areas from the FID.

[#] cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0501421

EPA Method: SW80218	3/8015Cm E	xtraction:	SW5030	3	Batch	ID: 14860	S	piked Samp	le ID: 0501	419-001B
Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptanc	e Criteria (%)
	μg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSC
TPH(btex) [£]	ND	60	83.8	82	2.10	108	105	3.10	70 - 130	70 - 130
мтве	ND	10	87.5	86.9	0.757	92.2	86.6	6.25	70 - 130	70 - 130
Benzene	ND	10	100	87.2	13.7	112	107	3.96	70 - 130	70 - 130
Toluene	ND	10	99	86.5	13.5	110	106	3.98	70 - 130	70 - 130
Ethylbenzene	ND	10	98.6	88.8	10.4	117	112	4.10	70 - 130	70 - 130
Xylenes	ND	30	99	89.7	9.89	120	113	5.71	70 - 130	70 - 130
%SS:	111	10	107	103	4.11	92	92	0	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

M QA/QC Officer



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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0501421

EPA Method: SW8015C	E	Extraction:	SW35500	2	Batch	ID: 14867	s	piked Sampl	e ID: 0501	421-006A
Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)
, mary is	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	ND	150	98.8	96.4	2.51	99.1	98.6	0.452	70 - 130	70 - 130
%SS:	111	50	104	101	2.95	105	104	0.707	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

M QA/QC Officer



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Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0501421

EPA Method: SW8015C		Extraction:	SW3550	С	Batch	ID: 14862	s	Spiked Sample ID: 0501413-016A			
Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
TPH(d)	13	150	100	101	1.09	88	87.9	0.172	70 - 130	70 - 130	
%SS:	102	50	108	109	1.23	93	95	2.04	70 - 130	70 - 130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

LR_QA/QC Officer



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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0501421

EPA Method: SW8015C		xtraction:	SW3510	0	Batch	ID: 14858	S	piked Sampl	le ID: N/A	
Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)
, , , , , , , , , , , , , , , , , , ,	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	N/A	7500	N/A	N/A	N/A	103	109	5.68	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	105	110	4.54	N/A	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



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QC SUMMARY REPORT FOR SM5520E/F

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0501421

EPA Method: SM5520E/F	6	xtraction:	PR5520_	sg_s	Batch	ID: 14852	S	piked Samp	le ID: 0501:	395-002A
Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)
•	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
POG	170	100	NR	NR	NR	92	91	1.09	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

A QA/QC Officer



110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622 Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SM5520B/F

W.O. Sample Matrix: Water

QC Matrix: Water

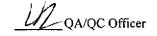
WorkOrder: 0501421

EPA Method: SM5520B/F	 E	xtraction:	PRHEM-	SGT_W	Batch	ID: 14837	s	piked Sampl	e ID: N/A	
Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptanc	e Criteria (%)
Analyte	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSC
POG	N/A	100	N/A	N/A	N/A	96	97	1.04	N/A	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is
inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0501421

EPA Method: SW8260B	Ε	Extraction:	SW5030E	3	Batch	ID: 14864	S	piked Samp	le ID: 0501	413-016A
Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptanc	e Criteria (%)
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
tert-Amyl methyl ether (TAME)	ND	0.050	96.7	91.9	5.10	92.8	102	9.41	70 - 130	70 - 130
Benzene	ND	0.050	110	104	6.04	105	110	4.84	70 - 130	70 - 130
t-Butyl alcohol (TBA)	ND	0.25	102	98.9	3.39	101	101	0	70 - 130	70 - 130
Chlorobenzene	ND	0.050	102	97.5	4.62	98.8	103	4.36	70 - 130	70 - 130
1,2-Dibromoethane (EDB)	ND	0.050	116	114	2.08	113	117	3.51	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	0.050	110	106	3.76	105	109	3.74	70 - 130	70 - 130
1,1-Dichloroethene	ND	0.050	114	109	4.37	111	118	6.39	70 - 130	70 - 130
Diisopropyl ether (DIPE)	ND	0.050	110	105	4.51	104	108	3.99	70 - 130	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	0.050	110	106	4.53	106	109	3.00	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	0.050	107	104	3.23	104	107	3.04	70 - 130	70 - 130
Toluene	ND	0.050	101	96.1	5.42	97.8	102	4.27	70 - 130	70 - 130
Trichloroethene	ND	0.050	97.8	94.2	3.82	95.1	99.5	4.48	70 - 130	70 - 130
%SS1:	87	0.050	104	104	0	105	104	0.405	70 - 130	70 - 130
%SS2:	97	0.050	95	96	0.929	96	96	0	70 - 130	70 - 130
%SS3:	91	0.050	98	100	1.19	98	99	0.475	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

QA/QC Officer

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0501421

EPA Method: SW8260B		Extraction:	SW5030	3	Batch	ID: 14861	S	piked Samp	le ID: 0501	420-004C
Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)
, mary to	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSE
tert-Amyl methyl ether (TAME)	ND	10	95.5	95.1	0.425	97.1	93.6	3.69	70 - 130	70 - 130
Benzene	ND	10	111	111	0	111	110	0.860	70 - 130	70 - 130
t-Butyl alcohol (TBA)	ND	50	101	99.2	1.90	97.4	95.8	1.66	70 - 130	70 - 130
Chlorobenzene	ND	10	103	102	0.622	103	102	0.721	70 - 130	70 - 130
1,2-Dibromoethane (EDB)	ND	10	120	117	2.43	118	114	3.50	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	10	113	111	1.48	112	110	2.56	70 - 130	70 - 130
1,1-Dichloroethene	ND	10	116	116	0	117	115	2.22	70 - 130	70 - 130
Diisopropyl ether (DIPE)	ND	10	109	109	0	110	108	1.51	70 - 130	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	10	110	109	0.664	110	108	2.22	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	10	107	105	1.40	109	104	4.78	70 - 130	70 - 130
Toluene	ND	10	103	103	0	102	102	0	70 - 130	70 - 130
Trichloroethene	ND	10	99	99.7	0.687	100	98.8	1.38	70 - 130	70 - 130
%SS1:	107	10	105	104	0.369	106	105	1.10	70 - 130	70 - 130
%SS2:	97	10	96	95	0.625	95	95	0	70 - 130	70 - 130
%\$\$3:	103	10	101	102	0.143	100	100	0	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

M_QA/QC Officer

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QC SUMMARY REPORT FOR SW8270D

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0501421

EPA Method: SW8270D	E	Extraction:	SW35500	C	Batch	ID: 14801	S	piked Sampi	le ID: 0501	421-003A
Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)
Analyte	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS/LCSC
Acenaphthene	ND	2	82.6	83.9	1.66	74.8	73.2	2.23	30 - 130	30 - 130
4-Chloro-3-methylphenol	ND	4	84.6	81.8	3.46	78.3	74.7	4.73	30 - 130	30 - 130
2-Chlorophenol	ND	4	81.9	82.4	0.651	85.5	85.8	0.333	30 - 130	30 - 130
1,4-Dichlorobenzene	ND	2	83.6	85.1	1.78	83.9	85.2	1.51	30 - 130	30 - 130
2,4-Dinitrotoluene	ND	2	85.1	83.5	1.92	71.3	72	0.935	30 - 130	30 - 130
4-Nitrophenol	ND	4	83.7	82.9	0.906	80.7	75	7.40	30 - 130	30 - 130
N-Nitrosodi-n-propylamine	ND	2	92.5	94.9	2.55	89.2	87	2.45	30 - 130	30 - 130
Pentachlorophenol	ND	4	83.9	83	1.07	75.8	71.9	5.23	30 - 130	30 - 130
Phenol	ND	4	82.1	82.2	0.201	86.3	86.5	0.278	30 - 130	30 - 130
Pyrene	ND	2	82	80.7	1.54	75	73.4	2.16	30 - 130	30 - 130
1,2,4-Trichlorobenzene	ND	2	82.1	82.8	0.922	74.6	72.7	2.62	30 - 130	30 - 130
%SS1:	80	200	89	92	2.68	86	84	2.84	30 - 130	30 - 130
%SS2:	81	200	86	92	7.22	101	94	7.59	30 - 130	30 - 130
%SS3:	93	200	88	89	1.16	84	84	0	30 - 130	30 - 130
%SS4:	80	200	94	92	2.61	91	92	1.90	30 - 130	30 - 130
%SS5:	86	200	85	89	3.74	91	85	7.35	30 - 130	30 - 130
%SS6:	81	200	93	90	3.31	85	82	3.25	30 - 130	30 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

& = low or no recovery of surrogate or target analytes due to matrix interference.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels

QA/QC Officer

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QC SUMMARY REPORT FOR SW8270D

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0501421

EPA Method: SW8270D	E	Extraction:	SW3510	С	Batch	ID: 14804	s	piked Samp	le ID: N/A	
Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptanc	e Criteria (%
riidiyio	µg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSC
Acenaphthene	N/A	50	N/A	N/A	N/A	81.5	82.1	0.709	N/A	30 - 130
4-Chloro-3-methylphenol	N/A	100	N/A	N/A	N/A	81.5	82.1	0.709	N/A	30 - 130
2-Chlorophenol	N/A	100	N/A	N/A	N/A	94.1	89.5	4.98	N/A	30 - 130
1,4-Dichlorobenzene	N/A	50	N/A	N/A	N/A	91.1	90	1.30	N/A	30 - 130
2,4-Dinitrotoluene	N/A	50	N/A	N/A	N/A	75.6	75	0.863	N/A	30 - 130
4-Nitrophenol	N/A	100	N/A	N/A	N/A	86.5	82.6	4.60	N/A	30 - 130
N-Nitrosodi-n-propylamine	N/A	50	N/A	N/A	N/A	113	115	1.58	N/A	30 - 130
Pentachlorophenol	N/A	100	N/A	N/A	N/A	78.6	74.9	4.87	N/A	30 - 130
Phenol	N/A	100	N/A	N/A	N/A	86	87.8	2.09	N/A	30 - 130
Pyrene	N/A	50	N/A	N/A	N/A	80.8	80.9	0.210	N/A	30 - 130
1,2,4-Trichlorobenzene	N/A	50	N/A	N/A	N/A	78.3	78.4	0.166	N/A	30 - 130
%SS1:	N/A	5000	N/A	N/A	N/A	81	81	0	N/A	30 - 130
%SS2:	N/A	5000	N/A	N/A	N/A	99	93	5.35	N/A	30 - 130
%SS3:	N/A	5000	N/A	N/A	N/A	82	84	1.88	N/A	30 - 130
%SS4:	N/A	5000	N/A	N/A	N/A	92	92	0	N/A	30 - 130
%SS5:	N/A	5000	N/A	N/A	N/A	88	88	0	N/A	30 - 130
%\$\$6:	N/A	5000	N/A	N/A	N/A	80	80	0	N/A	30 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may falt outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

_____QA/QC Officer

QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0501421

EPA Method: 6020A	E	Extraction:	SW3050	3	Batch	ID: 14836	S	Spiked Sample ID: 0501366-024A						
Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)				
rinalyto	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSE				
Antimony	ND	50	106	108	2.65	96.9	99.4	2.51	75 - 125	85 - 115				
Arsenic	6.0	50	95.9	97.9	1.82	94.8	96.8	2.07	75 - 125	85 - 115				
Barium	130	50	NR	NR	NR	99	102	2.75	75 - 125	85 - 115				
Beryllium	ND	50	104	109	4.59	99.1	99.1	0	75 - 125	85 - 115				
Cadmium	ND	50	105	107	2.56	97.4	100	2.89	75 - 125	85 - 115				
Chromium	110	50	NR	NR	NR	99.8	101	1.33	75 - 125	85 - 115				
Cobalt	13	50	98.7	101	2.13	101	101	0	75 - 125	85 - 115				
Copper	19	50	93.4	96	1.94	94.5	96	1.57	75 - 125	85 - 115				
Lead	3.7	50	105	106	1.65	97.5	98	0.491	75 - 125	85 - 115				
Mercury	0.21	0.25	84	88	2.35	88	88	0	75 - 125	85 - 115				
Molybdenum	ND	50	95.7	98.4	2.82	94.4	96.1	1.81	75 - 125	85 - 115				
Nickel	130	50	NR	NR	NR	95.7	97.5	1.88	75 - 125	85 - 115				
Selenium	ND	50	100	109	8.59	104	105	0.860	75 - 125	85 - 115				
Silver	ND	5	86.6	88.6	2.28	94	96.8	2.94	75 - 125	85 - 115				
Thallium	ND	50	102	106	3.54	100	102	1.76	75 - 125	85 - 115				
Vanadium	57	50	NR	NR	NR	98.2	99.2	1,01	75 - 125	85 - 115				
Zinc	59	50	NR	NR	NR	95.1	97.2	2.16	75 - 125	85 - 115				
%SS;	112	250	111	113	1.32	102	106	3.47	80 - 120	80 - 120				

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

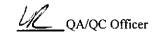
MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0501421

EPA Method: E200.8		xtraction:	E200.8		Batch	ID: 14859	s	Spiked Sample ID: 0501411-007C							
Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)					
Allalyte	μg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSC					
Antimony	0.060	50	105	105	0	104	103	1.24	75 - 125	85 - 115					
Arsenic	2.0	50	101	102	0.360	98.5	99.6	1.07	75 - 125	85 - 115					
Barium	700	50	NR	NR	NR	104	104	0	75 - 125	85 - 115					
Beryllium	0.40	50	104	112	7.09	103	104	0.386	75 - 125	85 - 115					
Cadmium	0.39	50	103	105	2.60	104	103	0.580	75 - 125	85 - 115					
Chromium	17	50	95.9	108	8.64	104	106	1.81	75 - 125	85 - 115					
Cobalt	2.4	50	96.3	99.8	3.42	104	104	0	75 - 125	85 - 115					
Copper	6.0	50	98.1	98.6	0.435	99.5	100	0.761	75 - 125	85 - 115					
Lead	2.3	50	103	106	2.09	102	101	0.335	75 - 125	85 - 115					
Mercury	0.16	0.25	96	92	2.53	92	92	0	75 - 125	85 - 115					
Molybdenum	0.020	50	103	102	0.508	99	98.5	0.466	75 - 125	85 - 115					
Nickel	52	50	91.9	96.2	2.17	100	101	0.716	75 - 125	85 - 115					
Selenium	0.15	50	103	105	2.02	107	112	5.06	75 - 125	85 - 115					
Silver	0.010	5	77.8	79	1.53	101	101	0	75 - 125	85 - 115					
Thallium	ND	50	104	108	3.42	101	103	1.47	75 - 125	85 - 115					
Vanadium	16	50	98.5	103	3.67	103	104	1.20	75 - 125	85 - 115					
Zinc	44	50	102	106	2.24	103	102	0.527	75 - 125	85 - 115					

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NONE

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QA/QC Officer



110 Second Avenue South, #D7 Pacheco, CA 94553-5560 (925) 798-1620

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 0501421

ClientID: ASED

Report to:

Robert Kitay

TEL: FAX: (925) 820-9391

(925) 820-939

FAX: (925) 837-4853 ProjectNo: Hall Property

Danville, CA 94526

Aqua Science Engineers, Inc.

208 West El Pintado Road

Proje

Bill to:

Accounts Payable

Aqua Science Engineers, Inc.

208 West El Pintado Road

Danville, CA 94526

Date Received:

Requested TAT:

01/31/2005

5 days

Date Printed: 01/31/2005

										•					Duit I ,	1111000		/31/20	700
					Requested Tests (See legend below)														
Sample ID	ClientSampID	Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0501421-003	BH-A 11.5'	Soil	1/31/05 9:51:00 AM			Α	Ā		A	Т	T-4	Α	Α	1	<u></u>		y]	
0501421-006	BH-B 11.5'	Soil	1/31/05 11:00:00	1=1		Α	Α		Α			Α	Α		-			 	+
0501421-009	BH-C 10.0'	Soil	1/31/05 12:05:00			Α	Α		Α	*		А	Α						+
0501421-012	BH-D 10.0'	Soil	1/31/05 1:15:00 PM			Α	Α		A			Α	Α		1				+
0501421-013	вн-а	Water	1/31/05 10:20:00		С			Α		В	E			D	<u> </u>				+
0501421-014	вн-в	Water	1/31/05 11:25:00		С			Α		В	Е			D				 	+
0501421-015	BH-C	Water	1/31/05 12:30:00		С		1	Α		В	E		 	D	1			 	+
0501421-016	BH-D	Water	1/31/05 1:46:00 PM		С			Α		В	E			D				<u> </u>	+

Test Legend:

1	5520B_SG_W	
6	8270D_W	
11		

2	5520E_SG_S
7	CAM17(D)MS_W
12	

3	8260B_S
8	CAM17MS_S
13	

4	8260B_W
9	G-MBTEX_S
14	

5	8270D_S
10	G-MBTEX_W
15	

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Aqua Science Engineers, Inc. 208 W. El Pintado Road Danville, CA 94526 (925) 820-9391 FAX (925) 837-4853

Chain of Custody

1714 (320) 007-4000)		U	1014	td										9						~	
SAMPLER (SIGNATURE)							PPA	IECT N	LANE	<u> </u>	- 11 '	17	,	·				PAGE_		. OF _		
had chit	!~ e~y						ADD	DLOT N RESS	WANE WEE		<u> 41-</u>	Krapsi	7	1	CA			_ JOB NO.				
ANALYSIS SPECIAL INSTRUCTIONS: Filter on prejural rectals upon re	RF(OHE	ST		I	 _		1	<u> </u>	7	<i>)[[2</i>	ur, c	Jakki	ر کیت	017							
SPECIAL INSTRUCTIONS:	NL C	XUL	<u> </u>	Л	×6		يـ	ONS		8	313	1			(n O		(C)	A.				
filter on frequence	ساجه	r Feil	dis	iducal	R BTE -802		OR0	JARB	256	N N N	1 1 2 2			8	ORU 814	83	770%	- 1				
rectals upon re	cupt				7BE 8	015)	MOT 015)	10 10 10	SANIC 340(35	3	(2)	300)	1000	が 子 ろ ろ ろ	¥ E	DIS.	1				
			·		TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-DIESEL (EPA 3510/8015)	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	PURGEABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240 (8260)	SEMI-VOLATILE ORGANICS (EPA 625(6270))	OIL & GREASE (EPA 5520) William gal	LUFT METALS (5) (EPA 6010+7000)	CAM 17 METALS (EPA 6010+7000)	PCBs & PESTICIDES (EPA 608/8080)	ORGANOPHOSPHORUS PESTICIDES (EPA 8140 EPA 608/8080)	FUEL OXYGENATES (EPA 8260)	Pb (TOTAL or DISSOLVED) (EPA 6010)	Matti-Kang - Hydrachery	ļ 			
SAMPLE ID.	DATE	TIME	MATRI	NO. OF	H-GA 74 50	11-DE 7-A 38.	H-Die 28 25	RGEA 74 60	LATIL 7A 62	MI-Y0	& GR 14 55	T ME	M 17 N	35 & A 60	SAN SOIC SOIC SOIC SOIC SOIC SOIC SOIC SOIC	1.0X	10T) A 60	#:- k	: -		HOLD	
BH-0 4.0	131	غر عبيان	3.		4 E	左回	T E	<u>5</u>	VO (E.F	3 =	OIL (EP	rui: (Ep	<u>₹</u>	P.S.	8 E.P	500	4 <u>4</u>	至			무	
BH-A 40' BH-H 7.5'	1 7/10	9.45 9.45	5.1		 -		ļ														×	
BH-A 11-5'	╅╌╁╴	9.51		 		<u> </u>	 														×	
BH-B 40°	+-+		-	-	 	 			<u> </u>	X	X		<u> </u>					X				
BIT-13 75'	╂╼╂╌	10 17	-	+	ļ																×	
	+	に別		-	ļ														_		X	
BH-B 11.5° BHC 50°		1130							X	X	X		×					×				
BH-C 75"	+	11:57	-	 -																	X	
	╁-}																				X	
BH-D 40'	+ -	1227	_	╂╌┼╼┨					X	×	×		X					×				
611-p 7.5'	1	13 vc 13-5	\forall																		' ×'	
PELINOHIGHED BY:				<u> </u>																	\times	
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signature) (time)		(signa	iture)		(time)	1	(signa	ture)		(time)		(signa	ture)		(time)							
Robert E. Kitay 1	-31-05	ME	oi V	allec	1/3	3				·		10.00			(MINO)		-				ļ	
printed name) (date)	rinted name) (date) (printed name) (da							d name))	(date)		(printa	d name	}	(date)			TURN AROUND TIME				
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							<u> </u>	P	RESERV	ATION	VOAS	O&G	METALS	OTHE	R		1					

0580

+5

+30

#15

Aqua Science Engineers, Inc. 208 W. El Pintado Road Danville, CA 94526 (925) 820-9391 EAV (926) 837-4853

Chain of Custody

FAX (925) 837-4853	' (ソラ	017	TJ-1											9			PAGE	2	۸c (حے
SAMPLER (SIGNATURE) And C. Liley							PRO ADD	ADDRESS 1455 5th Street, Oakland, CA										JOB NO	,	UF	
ANALYSIS SPECIAL INSTRUCTIONS: Fither and presented disserved metals my		برورسا			TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-DESEL (EPA 3510/8015)	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	PURGEABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240(8260)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	OIL & GREASE (EPA 5520) WITH CALGAD	LUFT METALS (5) (EPA 6010+7000)	CAM 17 METALS (EPA 6010+7000)	PCBs & PESTICIDES (EPA 608/8080)	ORGANOPHOSPHORUS PESTICIDES (EPA 8140 EPA 608/8080)	FUEL OXYGENATES (EPA 8260)	Pb (TOTAL or DISSOLVED) (EPA 6010)	Multi-Range	als CAM-17		
SAMPLE ID. BIT-D 10 C	DATE	-		NO. OF X SAMPLES	TPH-GA (EPA 50	TPH-DE (EPA SE	TPH-DIE (EPA 3!	PURGE/ (EPA 60	X VOLATIL	+		LUFT ME (EPA 6C	CAM 17 1 (EPA 6C	PCBs & (EPA 61	ORGAN PESTIC EPA 6C	FUEL 0) (EPA 8;	Pb (TOT (EPA 6(Dissional Mutals		НОГР
	1. 7.0)	17.17	74,1						X	×	X		8					X		<u> </u>	
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Rost E. Kity 1-71-05 Melli Valles 1/3 (printed name) (date) (printed name) (date)						131		ed name)		(date)			ed name)	(date)			TURN AROUND TIME ANDARD) 24Hr 48Hr 72Hr			
Company- ASE Company-					{			·				compa	wily				OTF.	OTHER:			