

January 27, 2000

INTERIM REPORT
for
SOIL AND GROUNDWATER ASSESSMENT
at
Compare Prices Service Station
2844 Mountain Boulevard
Oakland, California

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

25-837-48\$3

1.0 INTRODUCTION

This submittal presents Aqua Science Engineers, Inc. (ASE)'s interim results for a soil and groundwater assessment at the Compare Prices Service Station located at 2844 Mountain Boulevard in Oakland, California (Figure 1). This site was formally Desert Petroleum Station #796. The proposed site assessment activities were initiated by Mr. Shahram Shahnazi, property owner, as required by the Alameda County Health Care Services Agency (ACHCSA) in their letter dated June 9, 1999.

2.0 PROPOSED SCOPE OF WORK (SOW)

ASE's proposed scope of work is to further delineate the extent of soil and groundwater contamination off-site. To accomplish this task, ASE has prepared the following scope of work:

- 1) Prepare a workplan and health and safety plan for approval by the ACHCSA.
- 2) Contract with an underground utility contractor to accurately mark the underground utility lines in Mountain Boulevard.
- 3) Obtain an excavation permit from the City of Oakland to drill in the street areas and prepare a traffic plan to allow for closing traffic lanes during drilling activities.
- 4) Obtain a drilling permit from the Alameda County Public Works Agency (ACPWA).
- 5) Drill eleven (11) soil borings with a Geoprobe drill rig in the locations shown on Figure 2. Collect soil samples continuously and screen the soil samples for volatile compounds with an organic vapor meter (OVM). Groundwater samples will also be collected from each boring.
- 6) Analyze one soil sample from each boring, as well as the groundwater sample collected from each boring, at a CAL-EPA certified analytical laboratory for total petroleum hydrocrabons (TPH-G) by modified EPA Method 5030/8015 and benzene, toluene, ethyl benzene and total xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8020.
- 7) Backfill the borings with neat cement.

8) Prepare a report outlining the methods and findings of this assessment.

At the request of the ACHCSA, the borings on the west side of Mountain Boulevard were drilled as soon as they could be scheduled. The other borings will be drilled in the spring when groundwater is at its highest elevation. This report is prepared to provide interim results only. Complete results with conclusions and recommendations will be provided in the full report to be completed following the drilling to take place in the spring.

3.0 UNDERGROUND UTILITY LOCATING

On January 7, 2000, Subtronics Corporation of Concord, California accurately located the public utilities around the proposed drilling locations (Figure 2). They also accurately located the lines that could potentially act as a conduit for groundwater contamination. Several lines were inaccurately located in the Western Geo-Engineers report. An updated map of the utility line locations is provided as Figure 2.

4.0 DRILL SOIL BORINGS AND COLLECT SAMPLES

Prior to drilling, ASE obtained a drilling permit from the Alameda County Public Works Agency (ACPWA). ASE also obtained an excavation permit from the City of Oakland. Copies of these permits are presented in Appendix A.

On January 7, 2000, Vironex, Inc. of Hayward, California drilled soil borings BH-A through BH-D at the same a Geoprobe hydractic sampling rig (Figure 2). The drilling was directed by ASE associate geologist Ian Reed. Traffic safety for the lane closure was provided by Flash Safety of Oakland, California.

Undisturbed soil samples were collected continuously as drilling progressed for lithologic and hydrogeologic description and for possible analysis. The samples were collected by driving a sampler lined with acetate tubes using hydraulic direct push methods. Selective soil samples were immediately trimmed, sealed with Teflon tape, plastic end caps and tape, labeled, sealed in plastic bags and stored on ice for transport to Chromalab, Inc. of Pleasanton, California (ELAP #1094) under chain of custody. Soil from the remaining tubes was described by the site geologist using the Unified Soil Classification System and was screened for volatile compounds using an Organic Vapor Meter (OVM). 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 volatile compounds were allowed to volatilize, the OVM measured the vapor in the bag through a small hole punched in the bag. OVM readings are used as a screening tool only, since the procedures are not as rigorous as those used in the laboratory. OVM readings can be found on the boring logs located in Appendix B.

Groundwater samples were removed from the borings with bailers. The groundwater samples were contained in 40-ml volatile organic analysis (VOA) vials (pre-preserved with hydrochloric acid) and sealed without headspace. The samples were then labeled and stored on ice for transport to Chromalab under chain of custody.

Upon completion of the soil and groundwater sampling, the borings were backfilled with neat cement to the ground surface.

Drilling equipment was cleaned with a TSP solution between sampling intervals and between borings to prevent potential cross-contamination.

Sediments encountered during drilling generally consisted of sandy and clayey silts beneath the surface to the total depth explored of 30-feet below ground surface (bgs). Groundwater was encountered at approximately 20-feet bgs. Boring logs are presented as Appendix B.

5.0 ANALYTICAL RESULTS FOR SOIL

Soil samples collected from 19.0-feet bgs in boring BH-A, 21-feet bgs in boring BH-B, 20-feet bgs in boring BH-C, and 19-feet bgs in boring BH-D were analyzed by Chromalab for TPH-G by modified EPA Method 5030/8015, and BTEX and MTBE by EPA Method 8020. These samples represent either the capillary zone or the unsaturated soil sample that appeared the most contaminated based on odor, staining, and/or OVM readings. The analytical results are tabulated in Table One and the certified analytical report and chain of custody forms are included in Appendix C.

TABLE ONE

Summary of Chemical Analysis of SOIL Samples Petroleum Hydrocarbons All results are in parts per million

| Boring | Depth | TPH- Gasoline | Benzene | Toluene | Ethyl Benzene | Total Xylenes | МТВЕ |
|--------|-------|------------------|---------|---------|------------------|------------------|---------|
| BH-A | 19.0' | 620* | < 0.62 | < 0.62 | 3.4 | 14 | < 0.62 |
| вн-в | 21.0 | < 1.0 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| вн-с | 20.0' | < 1.0 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.2 |
| вн-р | 19.0' | < 1.0 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| PRG | | NE | 0.62 | 520 | 230 | 210 | NE |

Notes:

Detectable concentrations are in bold.

Non-detectable concentrations are noted by the less than sign (<) followed by the detection limit.

PRG = the Preliminary Remediation Goal for Residential Soil use.

NE = PRG has not been established.

* = Hydrocarbons do not match the laboratory gasoline standard

6.0 ANALYTICAL RESULTS FOR GROUNDWATER

The groundwater samples were analyzed by Chromalab for TPH-G by modified EPA Method 5030/8015 and BTEX and MTBE by EPA Method 8020. The analytical results are tabulated in Tables Two, and the certified analytical report and chain of custody forms are included in *Appendix D*

-4-

TABLE TWO

Summary of Chemical Analysis of GROUNDWATER Samples Petroleum Hydrocarbons n

| All | results | are | in | parts | per | billion |
|-----|---------|-----|----|-------|-----|---------|
| | | | | | | |

| Boring | TPH- Gasoline | Benzene | Toluene | Ethyl Benzene | Total Xylenes | МТВЕ |
|---------|------------------|---------|---------|------------------|------------------|-------|
| BH-A | 15,000 | | 780 | 790 | 4,600 | 3 3 |
| BH-B | < 1,000 | < 10 | 11 | < 10 | 2 3 | 660 |
| вн-с | < 100 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 170 |
| вн-р | < 50 | < 0.5 | < 0,5 | < 0.5 | < 0.5 | < 5.0 |
| DHS MCL | NE | 1.0 | 150 | 680 | 1,750 | 13 |

Detectable concentrations are in bold.

Non-detectable concentrations are noted by the less than sign (<) followed by the detection limit.

DHS MCL = the California Department of Health Services maximum contaminant level for drinking water.

NE = DHS MCL has not been established.

7.0 CONCLUSIONS AND RECOMMENDATION

Complete results with conclusions and recommendations will be provided in the full report to be completed following the drilling to take place in the spring.

8.0 REPORT LIMITATIONS

The results of this assessment 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-EPA certified laboratory. independent laboratory is solely responsible for the contents conclusions of the chemical analysis data.

Aqua Science Engineers appreciates the opportunity 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.

Ian T. Reed

Associate Geologist

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

Senior Geologist

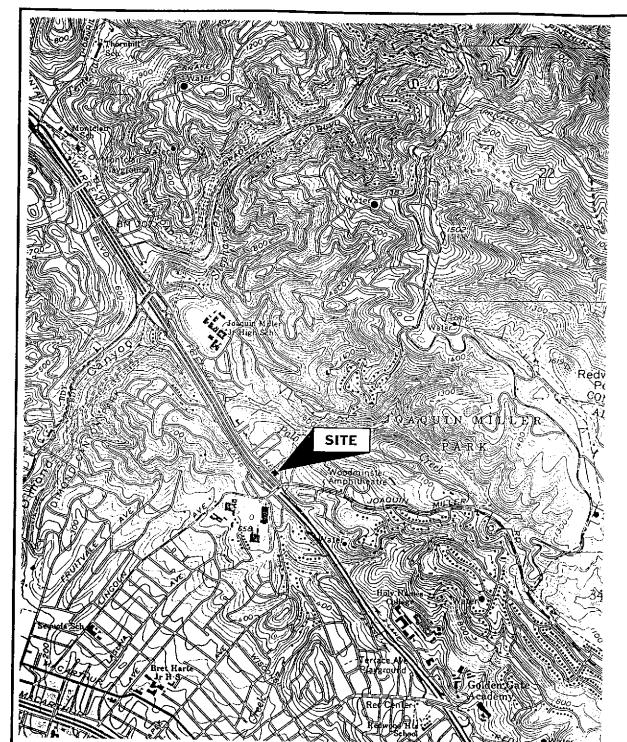
Attachments: Figures 1 and 2

Appendices A through D

cc: Mr. Shahram Shahnazi

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

Mr. Chuck Headlee, California Regional Water Quality Control Board, San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, CA 94612



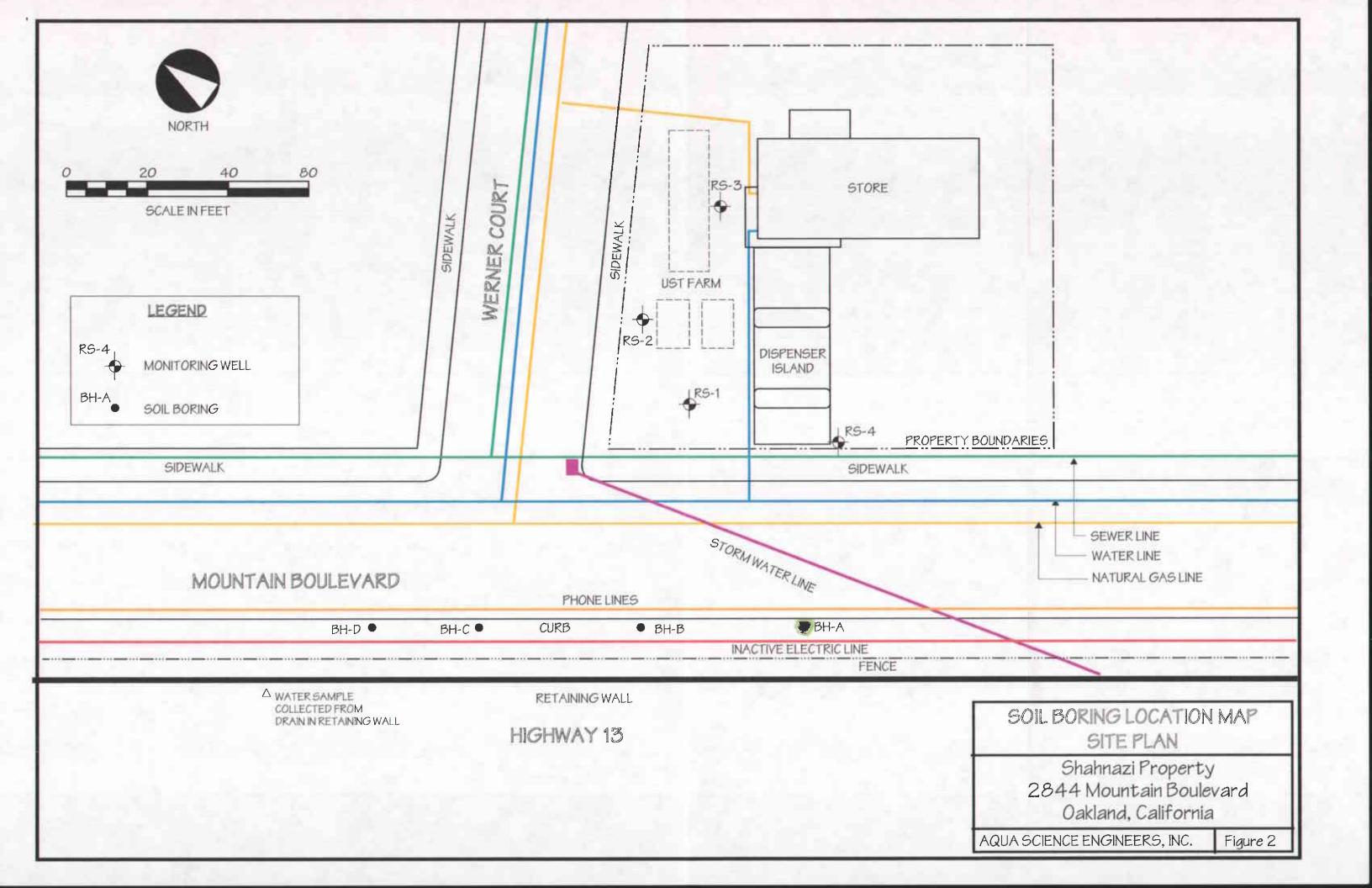


SITE LOCATION MAP

2844 Mountain Boulevard Oakland, California

Aqua Science Engineers

Figure 1



APPENDIX A

Permits



EXCAVATION PERMIT TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

PAGE 2 of 2

| PERMIT NUMBER | | CFFC + DDDFCCCC OCCUTTON |
|---|--|--|
| X 000 | 000/3 | 2848 MOUNTAIN BL. |
| APPROX. START DATE | APPROX. END DATE | 24-HOUR EMERGENCY PHONE NUMBER |
| | | (Permit not valid without 24-Hour number) |
| CONTRACTOR'S LICENSE # AND | CLASS | CITY BUSINESS TAX # |
| ATTENTION: | | |
| State law requires that the inquiry identification numb | contractor/owner call Underground Section issued by USA. The USA telephone | Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured at one number is 1 (800) 642-2444. UNDERGROUND SERVICE ALERT (USA) #: |
| 2) 48 hours prior to | starting work, YOU M | UST CALL (510) 238-3651 TO SCHEDULE AN INSPECTION. |
| OWNER/BUILDER | | |
| provisions of the Contractor's License I alleged exemption. Any violation of Se I, as an owner of the property, or m Professions Code: The Contractor's Lie provided that such improvements are no burden of proving that he did not build a I, as owner of the property, am exem be performed prior to sale, (3) I have restructures more than once during any the I is sowner of the property, am excludoes not apply to an owner of property to I am exempt under Sec. | law Chapter 9 (commencing with Sec. section 7031.5 by any applicant for a perty employees with wages as their sole cense Law does not apply to an owner of intended or offered for sale. If however, intended or offered for sale in the purpose of sale), and from the sale requirements of the assided in the residence for the 12 month of the sale requirements of the assided in the residence for the 12 month of the sale requirements of the sale requirements. | ractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law |
| WORKER'S COMPENSATION | | |
| I hereby affirm that I have a certifical | te of consent to self-insure, or a certif | ficate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code). |
| Policy # | Company Name | 6 |
| I certify that in the performance of the of California (not required for work value) | e work for which this permit is issued ed at one hundred dollars (\$100) or les | d, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws |
| granical upon the express condition that the perform the obligations with respect to stream and employees, from and against any and sustained or arising in the construction of | ne permittee shall be responsible for all reet maintenance. The permittee shall, all suits, claims, or actions brought by the proof performed and all suits. | ou should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith rmit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is il claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to il, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property to rin consequence of permittee's failure to perform the obligations with respect to street maintenance. This by the Director of the Office of Planning and Building. |
| hereby affirm that I am licensed under publis permit and agree to its requirements, a | rovisions of Chapter 9 of Division 3 o and that the above information is true | of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read and correct under penalty of law. |
| | gent for Contractor Owner | /-J-&\ |
| ESURFACED R | | HOLIDAY RESTRICTION? LIMITED OPERATION AREA? |
| SSUTED BY | | DATE ISSUED Continue Continu |
| 777 | | |



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 951 TURNER COURT, SUITE 300, HAYWARD, CA 94545-2651 PHONE (510) 670-5575 ANDREAS GODFREY FAX (510) 670-5262 (510) 670-5248 ALVIN KAN

| DRILLING PERMI | T APPLICATION |
|---|---|
| FOR APPLICANT TO COMPLETE LOCATION OF PROJECT 2844 Mountain Blud CONGRES | FOR OFFICE USE PERMIT NUMBER WELL NUMBER ADN |
| California Coordinales Source 11. CCE 11. CCE 11. | PERMIT CONDITIONS Circled Fermit Requirements Apply |
| CLIENT Name Shahram Shahnazi Address 140 Geldert Drive Phone (415) 902-3558 Civ Tibucan ch 2ip 94520 APPLICANT Name Isua Science Engineers The Ather Robert Kiter Fax(2x6)837-4853 Address 208 West El Riotade Phone (225)825-2351 City Danville, ch 2ip 94526 TYPE OF PROJECT Well Construction General Description Cathodic Protection O General Description Water Supply D Contemination & Monitoring D Well Description U PROPOSED WATER SUPPLY WELL USE New Domestic D Replacement Domestic D Municipal D Irrigation D Industrial D Other D | A. GENERAL 1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date. 2. Submit to ACPWA within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects or drilling logs and tocation sketch for gottechnical projects. 3. Permit is roid if projects not begun within 90 days of approval date. B. WATER SUPPLY WELLS 1. Minimum surface seal thickness is two inches of centent grout placed by fromle. 2. Minimum scal depth is 30 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. C. JROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS Minimum surface seal thickness is two inches of |
| DRILLING METHOD: Mud Rotary O Air Rotary O Auger G Cable G Other G DRICLER'S LICENSE NO. C-57 487000 WELL PROJECTS Drill Hole Dismeter in. Maximum Casing Diameter in. Depth 6. Surface Seal Depth R Number GEOTECHNICAL PROJECTS Number of Borings Maximum Hole Diameter 2 in. Depth 30 ft | D. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet. D. GEOTECHNICAL CEMENT ATOM Backfill bore hole with compacted material. D. GEOTECHNICAL CEMENT ATOM Departments and upper two feet with compacted material. D. GEOTECHNICAL CONTINUES AND With concrete placed by tremie F. WELL DESTRUCTION See allached. G. SPECIAL CONDITIONS |
| "IMATED STARTING DATE 1-7-00 "MATED COMPLETION DATE 1-7-00 | APPROVED CHOMPS LOOK DATE 1-07 |

ree to comply with all requirements of this permit and nty Ordinance No. 73-68

APPENDIX B

Boring Logs

| oui solulia soa Alis mollila | DRING WELL | _ COMPL | ETION D | DETAILS | SOIL BOR | NG: BH-A |
|--|-------------------------------|--------------------|--|---|--|--|
| Project Name: Compare Prices | ocation: 2 | 2844 Moun | itain Blvd., | Oakland, CA | Page 1 of 1 | |
| Driller: Vironex | Type of Rig: (| Geoprobe | | Size of D | rill: Large Bore S | Sampler |
| Logged By: Ian T. Reed | Date Drilled: | January | 7, 2000 | Che | ecked By: Robert I | E. Kitay, R.G. |
| WATER AND WELL DATA | | Total De | pth of Wel | Completed | d: NA | |
| Depth of Water First Encountered: 24.0 |)' | Well Sci | een Type | and Diamet | ter: NA | |
| Static Depth of Water in Well: NA | | Well Scr | een Slot S | Size: NA | | |
| Total Depth of Boring: 26.0' | | Type an | d Size of S | Soil Sample | r: Large Bore San | npler |
| Ă | SAMPLE DATA | Feet | | DESCRIP | TION OF LITHOLO | GY |
| Depth in Feet Description Interval Blow Counts OVM (ppmv) | Water Level Graphic Log | Depth in | | | tion, texture, rel odor-staining, US | |
| Portland Cement Portland Cement | | - 5 S - 2 K - 10 | 0% fine to on-plastic, sandy SILT 0% fine s s; no odor | coarse sa medium es Γ (ML); bro and; 10% o | erange brown; dry nd; 40% gravel to stimated K; no od- wn; moist; mediu clay; low plasticity | o 1.0" diameter; or m stiff; 70% silt; y; low estimated |
| -20 -20 - - - - - - -25 | Ā | 20 3 p | 0% clay; 1 lasticity; lo | 10% fine to | ve brown; moist; coarse sand; tra ed K; stight frydfo | ice gravel; low |
| -30 | | - - - -30 | A | | boring at 26.0' | eers inc |

,

| Project Name: Compare Prices Project Location: 2844 Mountain Blvd., Oskland, CA Page 1 of 1 Driller: Vironex Logged By: Ian T. Reed Date Drilled: January 7, 2000 Checked By: Robert E. Kitay, R.Q. WATER AND WELL DATA Depth of Water First Encountered: 20.0' Static Depth of Water in Well: NA Total Depth of Boring: 26.0' Type and Diameter: NA Well Screen Type and Diameter: NA Well Screen Stol Size: NA 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 LITHCLOGY Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. Description of Well Completed: NA Well Screen Stol Size: NA Type and Size of Soil Sampler: 2.0' I.D. Macro sampler DESCRIPTION OF LITHCLOGY Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. Description of Well Completed: NA Well Screen Stol Size: NA Type and Size of Soil Sampler: 2.0' I.D. Macro sampler DESCRIPTION OF LITHCLOGY Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. Description of Well Completed: NA Well Screen Stol Size: NA Type and Size of Soil Sampler: 2.0' I.D. Macro sampler Description of Well Completed: NA Well Screen Stol Size: NA Type and Size of Soil Sampler: 2.0' I.D. Macro sampler Description of Well Completed: NA Well Screen Stol Size: NA Type and Size of Soil Sampler: 2.0' I.D. Macro sampler Description of Well Completed: NA Well Screen Stol Size: NA Type and Size of Soil Sampler: 2.0' I.D. Macro sampler Description of Well Completed: NA Well Screen Stol Size: NA Type and Size of Soil Sampler: 2.0' I.D. Macro sampler Description of Well Completed: NA Well Screen Stol Size: NA Type and Size of Soil Sampler: 2.0' I.D. Macro sampler Description of Well Completed: NA Well Screen Stol Size: NA Type and Size of Soil Sampler: 2.0' I.D. Macro sampler Description of Well Completed: NA Well Screen Stol Size: | SOIL BORING LOG AND MONITO | ORING WELL | COMPLETION I | DETAILS SOIL BOR | RNG: BH-B |
|--|---|------------------------------|---|--|--------------------------------------|
| Logged By: Ian T. Reed Date Drilled: January 7, 2000 Checked By: Robert E. Kitay, R.G. WATER AND WELL DATA Depth of Water First Encountered: 20.0" Static Depth of Water in Well: NA Total Depth of Boring: 26.0" 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. Sandy SILT (ML); dark brown; moist; stiff; 70% silt; 25% fine to coarse sand; 5% clay; low plasticity; low estimated K; no odor 10 10 10 10 10 11 10 10 11 10 11 11 12 13 14 15 15 16 16 17 18 18 19 19 10 10 10 11 11 12 13 14 15 15 16 16 17 18 18 18 19 19 19 19 19 19 19 | Project Name: Compare Prices | Project L | ocation: 2844 Mour | ntain Blvd., Oakland, CA | Page 1 of 1 |
| WATER AND WELL DATA Depth of Water First Encountered: 20.0' Well Screen Type and Diameter: NA Well Screen Type and Diameter: NA Well Screen Type and Diameter: NA Total Depth of Boring: 26.0' Type and Size of Soil Sampler: 2.0" LD. Macro sampler DESCRIPTION OF LITH CLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. O Sandy SILT (ML); dark brown; moist; stiff; 70% slit; 25% fine to coarse sand; 5% clay; low plasticity; low estimated K; no odor Ignor Depth of Well Completed: NA Well Screen Type and Diameter: NA DESCRIPTION OF LITH CLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. O Sandy SILT (ML); dark brown; moist; stiff; 70% slit; 25% fine to coarse sand; 5% clay; low plasticity; low estimated K; no odor Ignor Depth of Well Completed: NA Well Screen Type and Diameter: NA DESCRIPTION OF LITH CLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. Sandy SILT (ML); dark brown; moist; stiff; 70% slit; 25% fine to coarse sand; low plasticity; low estimated K; no odor 15 Clayey SILT (ML); light brown; moist; stiff; 70% slit; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor 15 Clayey SILT (ML); light brown; moist; stiff; 60% slit; 30% gravel; 10% fine to coarse sand; non-plastic; low estimated K; moderate hydrocarbon odor Clayer SILT (ML); light brown; welt sliff; 60% slit; 30% gravel; 10% fine to coarse sand; non-plastic; low estimated K; moderate hydrocarbon odor Clayer SILT (ML); light brown; welt sliff; 60% slit; 30% gravel; 10% fine to coarse sand; non-plastic; low estimated K; moderate hydrocarbon odor End of boring at 25.0' | Driller: Vironex | Type of Rig: 0 | Geoprobe | Size of Drill: 2* diameter | Macrocore |
| Depth of Water First Encountered: 20.0' Static Depth of Water in Well: NA Total Depth of Boring: 26.0' 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. Sandy SiLT (ML); dark brown; moist; sliff; 70% slit; 25% fine to coarse sand; 5% clay; low plasticity; low estimated K; no odor Sandy SiLT (ML); light brown; moist; sliff; 70% slit; 25% fine to coarse sand; 5% clay; low plasticity; low estimated K; no odor Clayey SiLT (ML); light brown; moist; sliff; 70% slit; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor Clayey SiLT (ML); light brown; moist; sliff; 70% slit; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor Clayey SiLT (ML); light brown; moist; sliff; 70% slit; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor Clayey SiLT (ML); light brown; moist; sliff; 60% slit; 30% gravel; 10% fine to coarse sand; low plasticity; low estimated K; moderate hydrocarbon odor Clayer SiLT (ML); olive gray; wet; sliff; 60% slit; 30% gravel; 10% fine to coarse sand; non-plastic; low estimated K; moderate hydrocarbon odor End of boring at 26.0' | Logged By: Ian T. Reed | Date Drilled: | January 7, 2000 | Checked By: Robert | E. Kitay, R.G. |
| Static Depth of Water in Well: NA Total Depth of Boring: 26.0' 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. Sandy SILT (ML); dark brown; moist; sliff; 70% slit; 25% fine to coarse sand; 5% clay; low plasticity; low estimated K; no odor Sandy SILT (ML); light brown; moist; sliff; 70% slit; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor Clayey SILT (ML); light brown; moist; sliff; 70% slit; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor Clayey SILT (ML); light brown; moist; sliff; 70% slit; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor Clayey SILT (ML); light brown; moist; sliff; 70% slit; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor Clayey SILT (ML); light brown; moist; sliff; 60% slit; 30% gravel; 10% fine to coarse sand; non-plastic; low estimated K; moderate hydrocarbon odor End of boring at 26.0' | WATER AND WELL DATA | | Total Depth of We | Il Completed: NA | |
| Total Depth of Boring: 26.0' 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. Sandy SILT (ML); dark brown; moist; stiff; 70% silt; 25% fine to coarse sand; 5% clay; low plasticity; low estimated K; no odor 15 Clayey SILT (ML); light brown; moist; stiff; 70% silt; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor 15 Clayey SILT (ML); light brown; moist; stiff; 70% silt; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor 15 Clayey SILT (ML); light brown; moist; stiff; 70% silt; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor 15 Clayey SILT (ML); light brown; moist; stiff; 70% silt; 20% clay; 10% fine to coarse sand; non-plastic; low estimated K; moodor 20 Gravely SILT (ML); olive gray; wet; stiff; 60% silt; 30% gravet; 10% fine to coarse sand; non-plastic; low estimated K; moodorate hydrosation odor End of boring at 26.0' | Depth of Water First Encountered: 20. | 0' | Well Screen Type | and Diameter: NA | |
| DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation. Sandy SILT (ML); dark brown; moist; stiff; 70% silt; 25% fine to coarse sand; 5% clay; low plasticity; low estimated K; no odor light brown; moist; stiff; low plasticity; low estimated K; no odor Clayey SILT (ML); light brown; moist; stiff; 70% silt; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor Clayey SILT (ML); light brown; moist; stiff; 70% silt; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor clayer SILT (ML); light brown; moist; stiff; 70% silt; 20% clay; 10% fine to coarse sand; non-plastic; low estimated K; no odor clayer SILT (ML); light brown; moist; stiff; 60% silt; 30% gravef; 10% fine to coarse sand; non-plastic; low estimated K; moderate hydrocarbon odor End of boring at 26.0' | Static Depth of Water in Well: NA | | Well Screen Slot S | Size: NA | |
| BORING DETAIL Society Part Par | | | | Soil Sampler: 2.0" I.D. Macr | o sampler |
| Sandy SiLT (ML); dark brown; moist; stiff; 70% silt; 25% fine to coarse sand; 5% clay; low plasticity; low estimated K; no odor Sandy SiLT (ML); dark brown; moist; stiff; 70% silt; 25% fine to coarse sand; 5% clay; low plasticity; low estimated K; no odor Sandy SiLT (ML); dark brown; moist; stiff; 70% silt; 25% fine to coarse sand; low plasticity; low estimated K; no odor Clayer SiLT (ML); light brown; moist; stiff; 70% silt; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor Clayer SiLT (ML); light brown; moist; stiff; 70% silt; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor Clayer SiLT (ML); light brown; moist; stiff; 70% silt; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor Clayer SiLT (ML); light brown; moist; stiff; 70% silt; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor Clayer SiLT (ML); light brown; moist; stiff; 70% silt; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor Clayer SiLT (ML); light brown; moist; stiff; 70% silt; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor Clayer SiLT (ML); light brown; moist; stiff; 70% silt; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor Clayer SiLT (ML); light brown; moist; stiff; 70% silt; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor Clayer SiLT (ML); light brown; moist; stiff; 80% silt; 20% clay; 10% fine to coarse sand; low plasticity; low estimated K; no odor | | | Feet | DESCRIPTION OF LITHOLO | DGY |
| Sandy SILT (ML); dark brown; moist; stiff; 70% silt; 25% fine to coarse sand; 5% clay; low plasticity; low estimated K; no odor 10 | Depth in Descriptic Blow Coun OVM (ppm | Water Leve Graphic Log | standar density, | d classification, texture, re stiffness, odor-staining, US | lative moisture, GCS designation. |
| , | -10 -10 -15 -10 -15 -10 -15 -15 -17 -17 -17 -18 -18 -18 -18 -18 -18 -18 -18 -18 -18 | _ | Sandy SIL. 25% fine to estimated h 5 light brown K; no odor 10 110 15 Clayey SIL. 20% clay; low estimated h 10 110 110 110 110 110 110 11 | T (ML); light brown; moist; 10% fine to coarse sand; loed K; no odor LT (ML); olive gray; wet; so it 10% fine to coarse sand; loed K; no odor | stiff; 70% silt; ow plasticity; |

•

| SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS SOIL BORNG: BH-C | | | | | | | |
|---|-------------------------------|---|-----------------------|--|--|--|--|
| Project Name: Compare Prices | Project Lo | cation: 2844 Mountain Blvd., Oakland, CA Page 1 of 1 | | | | | |
| Driller: Vironex | Type of Rig: Ge | eoprobe Size of Drill: 2" diameter Mac | crocore | | | | |
| Logged By: Ian T. Reed | Date Drilled: J | anuary 7, 2000 Checked By: Robert E. K | itay, R.G. | | | | |
| WATER AND WELL DATA | | Total Depth of Well Completed: NA | | | | | |
| Depth of Water First Encountered: 20.0 | | Well Screen Type and Diameter: NA | | | | | |
| Static Depth of Water in Well: NA | | Well Screen Slot Size: NA | | | | | |
| Total Depth of Boring: 30.0' | | Type and Size of Soil Sampler: 2.0" I.D. Macro sar | mpler | | | | |
| | AMPLE DATA | DESCRIPTION OF LITHOLOGY | | | | | |
| Description Interval Blow Counts SOVM (ppmv) | Water Level Graphic Log | standard classification, texture, relative density, stiffness, odor-staining, USCS | | | | | |
| -0 | ▼ | Clayey SILT (ML); dark brown; moist; stiff 25% clay; 5% fine to coarse sand; low pla estimated K; no odor Sandy SILT (ML); light brown; moist; siff; 20% fine to coarse sand; 10% clay; low plow estimated K; no odor Clayey SILT (ML); light to dark brown; more 70% silt; 20% clay; 10% fine to coarse sand plasticity; low estimated K; no odor wet; moderate hydrocarbon odor moderate hydrocarbon odor End of boring at 30.0' End of boring at 30.0' | 70% silt; plasticity; | | | | |
| | | End of boring at 30.0' | | | | | |
| | | aqua science enginee | RS, INC. | | | | |

¥

| SOIL BORING LOG AND MONITO | RING WELL | COMPLETION | DETAILS SOIL BORNG: BH-D | | |
|---|-------------------------------|---|--|--|--|
| Project Name: Compare Prices | Project L | Location: 2844 Mountain Blvd., Oakland, CA Page 1 of 1 | | | |
| Driller: Vironex | Type of Rig: 0 | Seoprobe | Size of Drill: 2" diameter Macrocore | | |
| Logged By: Ian T. Reed | Date Drilled: | January 7, 2000 | Checked By: Robert E. Kitay, R.G. | | |
| WATER AND WELL DATA | | Total Depth of V | Vell Completed: NA | | |
| Depth of Water First Encountered: 20.0' | | Well Screen Typ | pe and Diameter: NA | | |
| Static Depth of Water in Well: NA | | Well Screen Slo | t Size: NA | | |
| Total Depth of Boring: 28.0' | | | of Soil Sampler: 2.0" I.D. Macro sampler | | |
| F SOIL/ROCK S. | | Feet | DESCRIPTION OF LITHOLOGY | | |
| Depth in Fe Sulade Description Interval Blow Counts | Water Level Graphic Log | .⊑ stand | ard classification, texture, relative moisture, ly, stiffness, odor-staining, USCS designation. | | |
| Portland Cement | | 20% clay plasticity; 5 Sandy S 60% silt; low estimes 1 0 | ILT (ML); dark brown; dry; stiff; 70% silt; ; 10% fine to coarse sand; trace gravel; low low estimated K; no odor ILT (ML); light to dark brown; dry; stiff; 40% fine to coarse sand; non-plastic; lated K; no odor | | |
| -20 -20 25 30 | Y | moderate Clayey S 30% clay | e hydrocarbon odor SILT (ML); olive gray; wet; stiff; 70% silt; y; trace gravel; low plasticity; medium K; moderate hydrocrabon odor End of boring at 28.0' | | |
| | | I | aqua science engineers, inc. | | |

>

APPENDIX C

Certified Analytical Report
and
Chain of Custody Documentation
Soil Samples

Submission #: 2000-01-0116

Date: January 18, 2000

Aqua Science Engineers, Inc. 208 West El Pintado Road

Danville, CA 94526

Attn.: Mr. Ian T. Reed

Project: 3538

Compare Prices-Shahnazi

Site:

2844 Mountain Boulevard, Oakland

Dear Mr. Reed,

Attached is our report for your samples received on Monday January 10, 2000 This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after February 9, 2000 unless you have requested otherwise. We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919. You can also contact me via email. My email address is: vvancil@chromalab.com

Sincerely,

Vincent Vancil

Environmental Services (SDB)

Gas/BTEX and MTBE

Aqua Science Engineers, Inc.

Danville, CA 94526

Attn: Ian T. Reed

Phone: (925) 820-9391 Fax: (925) 837-4853

Project #: 3538

Project: Compare Prices-Shahnazi

Site:

2844 Mountain Boulevard, Oakland

Samples Reported

| Sample ID | Matrix | Date Sampled | Lab# |
|-----------|--------|------------------|------|
| BH-B-21` | Soil | 01/07/2000 12:00 | 2 |
| BH-C-20` | Soil | 01/07/2000 13:20 | 3 |
| BH-D-19` | Soil | 01/07/2000 14:00 | 4 1 |

Submission #: 2000-01-0116

Environmental Services (SDB)

To: Aqua Science Engineers, Inc.

Test Method:

8020

8015M

Attn.: lan T. Reed

Prep Method:

5030

Gas/BTEX and MTBE

Sample ID:

BH-B-21

Lab Sample ID: 2000-01-0116-002

Project:

3538

Received:

01/10/2000 18:04

Site:

Compare Prices-Shahnazi

Extracted:

Sampled:

2844 Mountain Boulevard, Oakland 01/07/2000 12:00

01/14/2000 21:31

Matrix:

Soil

QC-Batch:

2000/01/14-01.03

| Compound | Result | Rep.Limit | Units | Dilution | Analyzed | Flag |
|----------------------|--------|-----------|-------|----------|------------------|------|
| Gasoline | ND | 1.0 | mg/Kg | 1.00 | 01/14/2000 21:31 | |
| Benzene | ND | 0.0050 | mg/Kg | 1.00 | 01/14/2000 21:31 | |
| Toluene | ND | 0.0050 | mg/Kg | 1.00 | 01/14/2000 21:31 | |
| Ethyl benzene | ND | 0.0050 | mg/Kg | 1.00 | 01/14/2000 21:31 | |
| Xylene(s) | ND · | 0.0050 | mg/Kg | 1.00 | 01/14/2000 21:31 | |
| MTBE | ND | 0.0050 | mg/Kg | 1.00 | 01/14/2000 21:31 | |
| Surrogate(s) | | | | | | |
| Trifluorotoluene | 91.3 | 53-125 | % | 1.00 | 01/14/2000 21:31 | |
| Trifluorotoluene-FID | 101.5 | 53-125 | % | 1.00 | 01/14/2000 21:31 | |

Environmental Services (SDB)

To: Aqua Science Engineers, Inc.

Test Method:

8020

8015M

Submission #: 2000-01-0116

Attn.: Ian T. Reed

Prep Method:

5030

Gas/BTEX and MTBE

Sample ID:

BH-C-20°

Lab Sample ID: 2000-01-0116-003

Project:

3538

Received:

01/10/2000 18:04

Compare Prices-Shahnazi

Site:

2844 Mountain Boulevard, Oakland

Extracted:

01/17/2000 15:55

Sampled:

01/07/2000 13:20

QC-Batch:

2000/01/17-01.03

Matrix:

Soil

| Compound | Result | Rep.Limit | Units | Dilution | Analyzed | Flag |
|--------------------------|--------|-----------|-------|----------|------------------|------|
| Gasoline | ND | 1.0 | mg/Kg | 1.00 | 01/17/2000 15:55 | |
| Benzene | ND | 0.0050 | mg/Kg | 1.00 | 01/17/2000 15:55 | |
| Toluene | ND | 0.0050 | mg/Kg | 1.00 | 01/17/2000 15:55 | |
| Ethyl benzene | ND | 0.0050 | mg/Kg | 1.00 | 01/17/2000 15:55 | |
| Xylene(s) | ND | 0.0050 | mg/Kg | 1.00 | 01/17/2000 15:55 | |
| MTBE | 0.20 | 0.0050 | mg/Kg | 1.00 | 01/17/2000 15:55 | |
| Surrogate(s) | ļ : | | | | | |
| 4-Bromofluorobenzene | 82.9 | 58-124 | % | 1.00 | 01/17/2000 15:55 | |
| 4-Bromofluorobenzene-FID | 113.1 | 58-124 | % | 1.00 | 01/17/2000 15:55 | |

Submission #: 2000-01-0116

Environmental Services (SDB)

To: Aqua Science Engineers, Inc.

Test Method:

8020

8015M

Attn.: lan T. Reed

Prep Method:

5030

Gas/BTEX and MTBE

Sample ID:

BH-D-19

Lab Sample ID: 2000-01-0116-004

Project:

3538

Received:

01/10/2000 18:04

Compare Prices-Shahnazi

Site:

2844 Mountain Boulevard, Oakland

Extracted:

01/17/2000 10:57

Sampled:

01/07/2000 14:00

QC-Batch:

2000/01/17-01.03

Matrix:

Soil

| Compound | Result | Rep.Limit | Units | Dilution | Analyzed | Flag |
|--------------------------|--------|-----------|-------|----------|------------------|------|
| Gasoline | ND | 1.0 | mg/Kg | 1.00 | 01/17/2000 10:57 | |
| Benzene | ND | 0.0050 | mg/Kg | 1.00 | 01/17/2000 10:57 | |
| Toluene | ND | 0.0050 | mg/Kg | 1.00 | 01/17/2000 10:57 | |
| Ethyl benzene | ND | 0.0050 | mg/Kg | 1.00 | 01/17/2000 10:57 | |
| Xylene(s) | ND | 0.0050 | mg/Kg | 1.00 | 01/17/2000 10:57 | |
| MTBE | ND | 0.0050 | mg/Kg | 1.00 | 01/17/2000 10:57 | |
| Surrogate(s) | | | | | | |
| Trifluorotoluene | 56.8 | 53-125 | % | 1.00 | 01/17/2000 10:57 | |
| 4-Bromofluorobenzene-FID | 69.6 | 58-124 | % | 1.00 | 01/17/2000 10:57 | |

Environmental Services (SDB)

Aqua Science Engineers, Inc.

Test Method:

8020

8015M

Attn.: Ian T. Reed

Prep Method:

5030

Batch QC Report Gas/BTEX and MTBE

Method Blank

Soil

QC Batch # 2000/01/14-01.03

Submission #: 2000-01-0116

MB:

2000/01/14-01.03-001

Date Extracted: 01/14/2000 10:04

| Compound | Result | Rep.Limit | Units | Analyzed | Flag |
|----------------------|--------|-----------|-------|------------------|------|
| Gasoline | ND | 1.0 | mg/Kg | 01/14/2000 10:04 | |
| Benzene | ND | 0.0050 | mg/Kg | 01/14/2000 10:04 | |
| Toluene | ND | 0.0050 | mg/Kg | 01/14/2000 10:04 | |
| Ethyl benzene | ND | 0.0050 | mg/Kg | 01/14/2000 10:04 | |
| Xylene(s) | ND | 0.0050 | mg/Kg | 01/14/2000 10:04 | |
| MTBE | ND | 0.0050 | mg/Kg | 01/14/2000 10:04 | |
| Surrogate(s) | | | | | |
| Trifluorotoluene | 105.4 | 53-125 | % | 01/14/2000 10:04 | |
| Trifluorotoluene-FID | 124.6 | 53-125 | % | 01/14/2000 10:04 | |

Submission #: 2000-01-0116

Environmental Services (SDB)

To: Aqua Science Engineers, Inc.

Test Method:

8020

8015M

Prep Method:

5030

Batch QC Report
Gas/BTEX and MTBE

Method Blank

🗳 Attn.: Ian T. Reed

Soil

QC Batch # 2000/01/17-01.03

MB:

2000/01/17-01.03-001

Date Extracted: 01/17/2000 06:36

| Compound | Result | Rep.Limit | Units | Analyzed | Flag |
|--------------------------|--------|-----------|-------|------------------|------|
| Gasoline | ND | 1.0 | mg/Kg | 01/17/2000 06:36 | |
| Benzene | ND | 0.0050 | mg/Kg | 01/17/2000 06:36 | |
| Toluene | ND | 0.0050 | mg/Kg | 01/17/2000 06:36 | |
| Ethyl benzene | ND | 0.0050 | mg/Kg | 01/17/2000 06:36 | |
| Xylene(s) | ND | 0.0050 | mg/Kg | 01/17/2000 06:36 | |
| MTBE | ND | 0.0050 | mg/Kg | 01/17/2000 06:36 | |
| Surrogate(s) | | | | | |
| Trifluorotoluene | 105.0 | 53-125 | % | 01/17/2000 06:36 | |
| 4-Bromofluorobenzene-FID | 111.2 | 58-124 | % | 01/17/2000 06:36 | |

Environmental Services (SDB)

To: Aqua Science Engineers, Inc.

Test Method:

8020

8015M

Submission #: 2000-01-0116

Prep Method:

5030

🔆 Attn: Ian T. Reed

Batch QC Report

Gas/BTEX and MTBE

Laboratory Control Spike (LCS/LCSD)

Soil

QC Batch # 2000/01/14-01.03

LCS:

2000/01/14-01.03-002

Extracted: 01/14/2000 10:35

Analyzed: 01/14/2000 10:35

LCSD:

2000/01/14-01.03-003

Extracted: 01/14/2000 11:07

Analyzed: 01/14/2000 11:07

| Compound | Conc. | [mg/Kg] | Exp.Conc. | [mg/Kg] | Recov | ery [%] | RPD | Ctrl. Lim | its [%] | Flag | <u></u> |
|-------------------------|--------|-----------|-----------|-----------|-------|---------|------|-----------|---------|------|---------|
| | LCS | LCSD | LCS | LCSD | LCS | LCSD | [%] | Recovery | RPD | LCS | LCSD |
| Gasoline | 0.576 | 0.585 | 0.500 | 0.500 | 115.2 | 117.0 | 1.6 | 75-125 | 35 | | |
| Benzene | 0.0927 | 0.0879 | 0.1000 | 0.1000 | 92.7 | 87.9 | 5.3 | 77-123 | 35 | | |
| Toluene | 0.0919 | 0.0882 | 0.1000 | 0.1000 | 91.9 | 88.2 | 4.1 | 78-122 | 35 | | |
| Ethyl benzene | 0.0780 | 0.0722 | 0.1000 | 0.1000 | 78.0 | 72.2 | 7.7 | 70-130 | 35 | | |
| Xylene(s) | 0.300 | 0.265 | 0.300 | 0.300 | 100.0 | 88.3 | 12.4 | 75-125 | 35 | | |
| Surrogate(s) | | | | | | | | | İ | | |
| Trifluorotoluene | 515 | 460 | 500 | 500 | 103.0 | 92.0 | | 53-125 | | | |
| 4-Bromofluorobenzene-FI | 586 | 587 | 500 | 500 | 117.2 | 117,4 | | 58-124 | | | |

Environmental Services (SDB)

Aqua Science Engineers, Inc.

Test Method:

8020

8015M

Submission #: 2000-01-0116

🔾 Attn: Ian T. Reed

To:

Prep Method:

5030

Batch QC Report

Gas/BTEX and MTBE

Laboratory Control Spike (LCS/LCSD)

Soil

QC Batch # 2000/01/17-01.03

LCS:

2000/01/17-01.03-002

Extracted: 01/17/2000 07:08

Analyzed: 01/17/2000 07:08

LCSD: 2000/01/17-01.03-003

Extracted: 01/17/2000 07:39

Analyzed: 01/17/2000 07:39

| Compound | Conc. | [mg/Kg] | Exp.Conc. | [mg/Kg] | Recov | ery [%] | RPD | Ctrl. Lim | its [%] | Fla | gs |
|-------------------------|--------|-----------|-----------|-----------|-------|---------|------|-----------|---------|-----|----------------|
| | LCS | LCSD | LCS | LCSD | LCS | LCSD | [%] | Recovery | RPD | LCS | LCSD |
| Gasoline | 0.528 | 0.444 | 0.500 | 0.500 | 105.6 | 88.8 | 17.3 | 75-125 | 35 | | - |
| Benzene | 0.0932 | 0.0869 | 0.1000 | 0.1000 | 93.2 | 86.9 | 7.0 | 77-123 | 35 | | |
| Toluene | 0.0904 | 0.0866 | 0.1000 | 0.1000 | 90.4 | 86.6 | 4.3 | 78-122 | 35 | | |
| Ethyl benzene | 0.0918 | 0.0868 | 0.1000 | 0.1000 | 91.8 | 86.8 | 5.6 | 70-130 | 35 | | |
| Xylene(s) | 0.275 | 0.259 | 0.300 | 0.300 | 91.7 | 86.3 | 6.1 | 75-125 | 35 | | |
| Surrogate(s) | | | | | i | | | | | | |
| Trīfluorotoluene | 493 | 467 | 500 | 500 | 98.6 | 93.4 | | 53-125 | | | |
| 4-Bromofluorobenzene-FI | 591 | 590 | 500 | 500 | 118.2 | 118.0 | | 58-124 | | | |

Environmental Services (SDB)

Gas/BTEX (Methanol Extraction)

Aqua Science Engineers, Inc.

208 West El Pintado Road

Danville, CA 94526

Attn: Ian T. Reed

Phone: (925) 820-9391 Fax: (925) 837-4853

Project #: 3538

Project: Compare Prices-Shahnazi

Site:

2844 Mountain Boulevard, Oakland

Samples Reported

| Sample ID | Matrix | Date Sampled | Lab# |
|-----------|--------|------------------|------|
| BH-A-19` | Soil | 01/07/2000 11:40 | 1 |

Submission #: 2000-01-0116

Environmental Services (SDB)

To: Aqua Science Engineers, Inc.

Test Method:

8020

8015M

Attn.: Ian T. Reed

Prep Method:

5030

Gas/BTEX (Methanol Extraction)

Sample ID:

BH-A-19

Lab Sample ID: 2000-01-0116-001

Project:

3538

Received:

01/10/2000 18:04

Compare Prices-Shahnazi

Site:

2844 Mountain Boulevard, Oakland

Extracted:

01/14/2000 14:39

Sampled:

01/07/2000 11:40

QC-Batch:

2000/01/14-05.04

Matrix:

Soil

| Compound | Result | Rep.Limit | Units | Dilution | Analyzed | Flag |
|--------------------------|--------|-----------|-------|----------|------------------|------|
| Gasoline | 620 | 50 | mg/Kg | 5.00 | 01/17/2000 14:39 | |
| Benzene | ND | 0.62 | mg/Kg | 1.00 | 01/17/2000 14:33 | 9 |
| Toluene | ND | 0.62 | mg/Kg | 1.00 | 01/17/2000 13:44 | |
| Ethyl benzene | 3.4 | 0.62 | mg/Kg | 1.00 | 01/17/2000 13:44 | |
| Xylene(s) | 14 | 0.62 | mg/Kg | 1.00 | 01/17/2000 13:44 | |
| MTBE | ND | 0.62 | mg/Kg | 1.00 | 01/17/2000 13:44 | |
| Surrogate(s) | | | | | | |
| 4-Bromofluorobenzene | 102.9 | 58-124 | % | 1.00 | 01/17/2000 13:44 | |
| 4-Bromofluorobenzene-FID | NA | 58-124 | % | 1.00 | 01/17/2000 13:44 | sd |

Aqua Science Engineers, Inc.

Environmental Services (SDB)

Test Method:

8020

8015M

To:

Prep Method:

5030

Batch QC Report

Gas/BTEX (Methanol Extraction)

Method Blank

Soil

QC Batch # 2000/01/14-05.04

Submission #: 2000-01-0116

MB:

2000/01/14-05.04-001

Date Extracted: 01/14/2000 13:19

| Compound | Result | Rep.Limit | Units | Analyzed | Flag |
|--------------------------|--------|-----------|-------|------------------|------|
| Gasoline | ND | 10 | mg/Kg | 01/14/2000 13:19 | |
| Benzene | ND | 0.62 | mg/Kg | 01/14/2000 13:19 | |
| Toluene | ND | 0.62 | mg/Kg | 01/14/2000 13:19 | |
| Ethyl benzene | ND | 0.62 | mg/Kg | 01/14/2000 13:19 | |
| Xylene(s) | ND | 0.62 | mg/Kg | 01/14/2000 13:19 | |
| MTBE | ND | 0.62 | mg/Kg | 01/14/2000 13:19 | |
| Surrogate(s) | | | | | |
| Trifluorotoluene | 98.4 | 53-125 | % | 01/14/2000 13:19 | |
| 4-Bromofluorobenzene-FID | 87.8 | 58-124 | % | 01/14/2000 13:19 | |

Environmental Services (SDB)

Aqua Science Engineers, Inc.

Test Method:

8015M

Submission #: 2000-01-0116

8020

5030

🖟 Attn: Ian T. Reed

To:

Prep Method:

Batch QC Report

Gas/BTEX (Methanol Extraction)

Laboratory Control Spike (LCS/LCSD)

Soil

QC Batch # 2000/01/14-05.04

LCS:

2000/01/14-05.04-002

Extracted: 01/17/2000 10:46

000 10:46 Analyzed:

alyzed: 01/17/2000 10:46

LCSD: 2000

2000/01/14-05.04-003

Extracted: 01/17/2000 11:14

Analyzed: 01/17/2000 11:14

| Compound | Conc. | [mg/Kg] | Exp.Conc. | [mg/Kg] | Recov | егу [%] | RPD | Ctrl. Lim | its [%] | Flag | gs |
|-------------------------|-------|-----------|-----------|-----------|-------|---------|-----|-----------|---------|------|------|
| | LCS | LCSD | LCS | LCSD | LCS | LCSD | [%] | Recovery | RPD | LCS | LCSD |
| Gasoline | 0.723 | 0.721 | 0.625 | 0.625 | 115.7 | 115.4 | 0.3 | 75-125 | 35 | ·· | |
| Benzene | 0.117 | 0.117 | 0.125 | 0.125 | 93.6 | 93.6 | 0.0 | 77-123 | 35 | | |
| Toluene | 0.119 | 0.118 | 0.125 | 0.125 | 95.2 | 94.4 | 8.0 | 78-122 | 35 | | |
| Ethyl benzene | 0.116 | 0.116 | 0.125 | 0.125 | 92.8 | 92.8 | 0.0 | 70-130 | 35 | | |
| Xylene(s) | 0.356 | 0.356 | 0.375 | 0.375 | 94.9 | 94.9 | 0.0 | 75-125 | 35 | | |
| Surrogate(s) | | | | | : | | | | | | |
| Trifluorotoluene | 454 | 462 | 500 | 500 | 90.8 | 92.4 | | 53-125 | | | |
| 4-Bromofluorobenzene-FI | 479 | 448 | 500 | 500 | 95.8 | 89.6 | | 58-124 | | | |

Environmental Services (SDB)

To: Aqua Science Engineers, Inc.

Test Method:

8015M

Submission #: 2000-01-0116

8020

Prep Method: 5030

Legend & Notes

Gas/BTEX (Methanol Extraction)

Analyte Flags

Attn:lan T. Reed

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

sd

Surrogate diluted out due to the presence of non-target materials.

Aqua Science Engineers, Inc. 208 W. El Pintado Road Danville. CA 94526

Chain of Custody

| 208 W. El Pintado Road Danville, CA 94526 (925) 820-9391 FAX (925) 837-4853 | C | hé | air | |)f | | JU | 5 t | 0 | d) | 1 | | | | | * | • | į |
|--|---|---------------------------------|-------------------------------|---|---------------------------------------|-------------------------------------|--|----------------------------|------------------------------------|--|-------------------------------------|---|---|----------------------|------------|----------|------------------|-----------|
| | ONE NO.) | 1 | PPA | IECT N | ALIE | Ĉ. | 2000 | | Hora | 2 5 | 51 | naaz | · | | | <u> </u> | F <u></u> 53と | |
| le Role (925) 820-93 |) જ (| | ADDI | | 28 | 447 | Youn | tain | Bern | <u>ري </u> | <u> ۱۲۵</u> | Janla | inel | DATE | NO | Ŧ | 100 | |
| ANALYSIS REQUEST | | • | | δ. | | i - | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS: | BTEX 8020 | | | ARBO | 4TICS | w . | 3ANIC | | | | 85 | ORUS 914C | E 815C | 8 | | | | |
| 5-day TAT | TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020) | TPH-GASOLINE (EPA 5030/8015) | 1PH-DIESEL (EPA 3510/8015) | PURGEABLE HALOCARBONS (EPA 601/8010) | PURGEABLE AROMATICS (EPA 602/8020) | VOLATILE ORGANICS (EPA 624/8240) | SEMI-YOLATILE ORGANICS (EPA 625/8270) | EASE 20) | LUFT METALS (5) (EPA 6010+7000) | CAM 17 METALS (EPA 6010+7000) | PCBs & PESTICIDES (EPA 608/8080) | ORGANOPHOSPHORUS PESTICIDES (EPA 8140) (EPA 608/8080) | ORGANOCHLORINE HERBICIDES (EPA 8150) | OXYGENATES (8260) | | | , | COMPOSITE |
| SAMPLE ID. DATE TIME MATRIX NO. OF SAMPLES | TPH-G/ (EPA 5(| TPH-GA (EPA 50 | TPH-DIE (EPA 3) | PURGEA (EPA 60 | PURGEA (EPA GC | VOLATIL (EPA 62 | SEMI-V((EPA 62 | OIL & GREASE (EPA 5520) | LUFT ME (EPA 6C | CAM 17 (EPA 6C | PCBs & (EPA 6 | ORGAN PESTIC (EPA 6 | ORGAN HERBIC | FUEL 0) (EPA 82 | | | | COMP |
| BH-A-19' 1/7/00 1/40 Soil 1 | \times | | | | | | | | | | | | | | | | | |
| BH-B-21 1/200 1200 Soil -1 | $\geq $ | | | | | | | | | | | | | | | | | |
| BH-C-20 1/7/00 7320 Soil 1 | $ \times $ | | | | | | | | | | | | | | | | | _ |
| BH-D 19' 12/00 1400 Soil 1 | X | | | | | | | | | | | | | | S - | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | - | | | | | | | | | | |
| | | | | | | | | | | 1 | | | | - | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | - | | | | | | | | | | | | | | |
| | | | | | | | | | | - | | | | | | | | |
| | | | | - - | | _ | | | | | | | | | | | | { |
| RELINQUISHED BY: RECEIVED BY: (signature) (time) (signature) | (time) | 38 | RELINO | QUISHE(| 460 | (time) | 1-11-13 | RECE Ulu (Slana | IVED BY | LABO La | RATOR رسید (tlme | gton | CON | IMENTS | :: | | | |
| printed name) (date) (printed name) | (date) | | 1 | d name) | Mor, | OV (date), | 1 G754 | D. x | Javvi ed name | ing to | | | 4 . | 5-d | ay- | JA. | T | |
| Company- ASE Grand | | i | Compa | | rna | J. | | Comp. | any- | alai | <u>'</u> | 1804 10/00 | | | | 4.5° | C | |

APPENDIX D

Certified Analytical Report and Chain of Custody Documentation Groundwater Samples **Environmental Services (SDB)**

Submission #: 2000-01-0120

Date: January 18, 2000

Aqua Science Engineers, Inc.

208 West El Pintado Road Danville, CA 94526

Attn.: Mr. Ian T. Reed

Project: 3538

Compare Prices-Shahnazi

Site: 2844 Mountain Boulevard, Oakland

Dear Mr. Reed,

Attached is our report for your samples received on Monday January 10, 2000 This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after February 9, 2000 unless you have requested otherwise. We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919. You can also contact me via email. My email address is: vvancil@chromalab.com

Sincerely,

Vincent Vancil

Environmental Services (SDB)

Gas/BTEX and MTBE

Aqua Science Engineers, Inc.

208 West El Pintado Road

Danville, CA 94526

Attn: Ian T. Reed

Phone: (925) 820-9391 Fax: (925) 837-4853

Project #: 3538

Project: Compare Prices-Shahnazi

Site:

2844 Mountain Boulevard, Oakland

Samples Reported

| Sample ID | Matrix | Date Sampled | Lab# |
|--------------|--------|--------------|------|
| BH-A | Water | 01/07/2000 | 1 |
| BH-B | Water | 01/07/2000 | 2 |
| BH-C BH-D | Water | 01/07/2000 | 3 |
| DN-U | Water | 01/07/2000 | 4 |

Environmental Services (SDB)

To: Aqua Science Engineers, Inc.

Test Method:

8015M

8020

Submission #: 2000-01-0120

Attn.: Ian T. Reed

Prep Method:

5030

Gas/BTEX and MTBE

Sample ID:

BH-A

Lab Sample ID: 2000-01-0120-001

Project:

3538

Received:

01/10/2000 18:04

Site:

Compare Prices-Shahnazi 2844 Mountain Boulevard, Oakland

Extracted:

01/15/2000 02:46

Sampled:

01/07/2000

QC-Batch:

2000/01/14-01.05

Matrix:

| Compound | Result | Rep.Limit | Units | Dilution | Analyzed | Flag |
|--------------------------|--------|-----------|-------|----------|------------------|------|
| Gasoline | 15000 | 2500 | ug/L | 50.00 | 01/15/2000 02:46 | |
| Benzene | 370 | 25 | ug/L | 50.00 | 01/15/2000 02:46 | - |
| Toluene | 780 | 25 | ug/L | 50.00 | 01/15/2000 02:46 | |
| Ethyl benzene | 790 | 25 | ug/L | 50.00 | 01/15/2000 02:46 | |
| Xylene(s) | 4600 | 25 | ug/L | 50.00 | 01/15/2000 02:46 | |
| MTBE | 33 | 5.0 | ug/L | 1.00 | 01/12/2000 17:36 | |
| Surrogate(s) | | | | | | |
| Trifluorotoluene | 84.9 | 58-124 | % | 1.00 | 01/15/2000 02:46 | |
| 4-Bromofluorobenzene-FID | 86.7 | 50-150 | % | 1.00 | 01/15/2000 02:46 | |

Environmental Services (SDB)

To: Aqua Science Engineers, Inc.

Test Method:

8015M

8020

Submission #: 2000-01-0120

Attn.: Ian T. Reed

Prep Method:

5030

Gas/BTEX and MTBE

Sample ID:

BH-B

Lab Sample ID: 2000-01-0120-002

Project:

3538

Received:

01/10/2000 18:04

Site:

Compare Prices-Shahnazi 2844 Mountain Boulevard, Oakland

Extracted:

01/18/2000 12:11

Sampled:

01/07/2000

QC-Batch:

2000/01/18-01.04

Matrix:

| Compound | Result | Rep.Limit | Units | Dilution | Analyzed | Flag |
|--------------------------|--------|-----------|-------|----------|------------------|------|
| Gasoline | ND | 1000 | ug/L | 20.00 | 01/18/2000 12:11 | |
| Benzene | ND | 10 | ug/L | 20.00 | 01/18/2000 12:11 | |
| Toluene | 11 | 10 | ug/L | 20.00 | 01/18/2000 12:11 | |
| Ethyl benzene | ND | 10 | ug/L | 20.00 | 01/18/2000 12:11 | |
| Xylene(s) | 23 | 10 | ug/L | 20.00 | 01/18/2000 12:11 | |
| MTBE | 660 | 100 | ug/L | 20.00 | 01/18/2000 12:11 | |
| Surrogate(s) | | ; | _ | | | |
| Trifluorotoluene | 83.5 | 58-124 | % | 1.00 | 01/18/2000 12:11 | |
| 4-Bromofluorobenzene-FID | 83.3 | 50-150 | % | 1.00 | 01/18/2000 12:11 | |

Submission #: 2000-01-0120

Environmental Services (SDB)

To: Aqua Science Engineers, Inc.

Test Method:

8015M

8020

Attn.: lan T. Reed

Prep Method:

5030

Gas/BTEX and MTBE

Sample ID:

BH-C

Lab Sample ID: 2000-01-0120-003

Project:

3538

Received:

01/10/2000 18:04

Compare Prices-Shahnazi

Site:

2844 Mountain Boulevard, Oakland

Extracted:

01/18/2000 10:36

Sampled:

01/07/2000

QC-Batch:

2000/01/18-01.04

Matrix:

| Compound | Result | Rep.Limit | Units | Dilution | Analyzed | Flag |
|--|----------------------------|---------------------------------|--|--|--|------|
| Gasoline Benzene Toluene Ethyl benzene Xylene(s) MTBE | ND ND ND ND ND | 100 1.0 1.0 1.0 1.0 | ug/L ug/L ug/L ug/L ug/L ug/L | 2.00 2.00 2.00 2.00 2.00 2.00 | 01/18/2000 10:36 01/18/2000 10:36 01/18/2000 10:36 01/18/2000 10:36 01/18/2000 10:36 01/18/2000 10:36 | , |
| Surrogate(s) Trifluorotoluene 4-Bromofluorobenzene-FID | 72.9 96.1 | 58-124 50-150 | % % | 1.00 1 .00 | 01/18/2000 10:36 01/18/2000 10:36 | ĺ |

Environmental Services (SDB)

To: Aqua Science Engineers, Inc.

Test Method:

8015M

Submission #: 2000-01-0120

8020

Attn.: Ian T. Reed

Prep Method:

5030

Gas/BTEX and MTBE

Sample ID: BH-D

Lab Sample ID: 2000-01-0120-004

Project:

3538

Received:

01/10/2000 18:04

Site:

Compare Prices-Shahnazi

2844 Mountain Boulevard, Oakland

Extracted:

01/17/2000 18:18

Sampled:

01/07/2000

QC-Batch:

2000/01/17-01.04

Matrix:

| Compound | Result | Rep.Limit | Units | Dilution | Analyzed | Flag |
|-------------------------------|--------|-----------|--------------|----------|------------------|------|
| Gasoline | ND | 50 | ug/L | 1.00 | 01/17/2000 18:18 | |
| Benzene | ND | 0.50 | ug/L | 1.00 | l l | |
| Toluene | ND | 0.50 | ug/L ug/L | 1.00 | 01/17/2000 18:18 | |
| Ethyl benzene | ND | 0.50 | ug/L ug/L | 1.00 | 01/17/2000 18:18 | |
| Xylene(s) | ND | 0.50 | ug/L ug/L | 1.00 | 01/17/2000 18:18 | |
| MTBE | ND | 5.0 | 1 - | | 01/17/2000 18:18 | |
| Surrogata(a) | | 3.0 | ug/L | 1.00 | 01/17/2000 18:18 | |
| Surrogate(s) Trifluorotoluene | 87.5 | 58-124 | % | 1.00 | 01/17/2000 18:18 | |
| 4-Bromofluorobenzene-FID | 91.8 | 50-150 | % | 1.00 | 01/17/2000 18:18 | |

Environmental Services (SDB)

Aqua Science Engineers, Inc.

Test Method:

8015M

8020

Prep Method:

5030

To:

Attn.: Ian T. Reed

Batch QC Report Gas/BTEX and MTBE

Method Blank

Water

QC Batch # 2000/01/12-01.01

Submission #: 2000-01-0120

MB:

2000/01/12-01.01-003

Date Extracted: 01/12/2000 13:33

| Compound | Result | Rep.Limit | Units | Analyzed | Flag |
|--------------------------|--------|-----------|-------|------------------|------|
| Gasoline | ND | 50 | ug/L | 01/12/2000 13:33 | |
| Benzene | ND | 0.5 | ug/L | 01/12/2000 13:33 | |
| Toluene | ND | 0.5 | ug/L | 01/12/2000 13:33 | |
| Ethyl benzene | ND | 0.5 | ug/L | 01/12/2000 13:33 | |
| Xylene(s) | ND | 0.5 | ug/L | 01/12/2000 13:33 | |
| MTBE | ND | 5.0 | ug/L | 01/12/2000 13:33 | * |
| Surrogate(s) | | 1 | | | |
| Trifluorotoluene | 115.6 | 58-124 | % | 01/12/2000 13:33 | |
| 4-Bromofluorobenzene-FID | 52.4 | 50-150 | % | 01/12/2000 13:33 | |

Environmental Services (SDB)

To: Aqua Science Engineers, Inc.

Test Method:

8015M

8020

Attn.: Ian T. Reed

Prep Method:

5030

Batch QC Report Gas/BTEX and MTBE

Method Blank

Water

QC Batch # 2000/01/14-01.05

Submission #: 2000-01-0120

MB:

2000/01/14-01.05-001

Date Extracted: 01/14/2000 10:22

| Compound | Result | Rep.Limit | Units | Analyzed | Flag |
|--------------------------|--------|-----------|-------|------------------|------|
| Gasoline | ND | 50 | ug/L | 01/14/2000 10:22 | |
| Benzene | ND | 0.5 | ug/L | 01/14/2000 10:22 | |
| Toluene | ND | 0.5 | ug/L | 01/14/2000 10:22 | |
| Ethyl benzene | ND | 0.5 | ug/L | 01/14/2000 10:22 | |
| Xylene(s) | ND | 0.5 | ug/L | 01/14/2000 10:22 | |
| Surrogate(s) | | | | | |
| Trifluorotoluene | 64.2 | 58-124 | % | 01/14/2000 10:22 | |
| 4-Bromofluorobenzene-FID | 66.6 | 50-150 | % | 01/14/2000 10:22 | |

Environmental Services (SDB)

Aqua Science Engineers, Inc.

Test Method:

8015M

8020

Attn.: Ian T. Reed

To:

Prep Method:

5030

Batch QC Report Gas/BTEX and MTBE

Method Blank

Water

QC Batch # 2000/01/17-01.04

Submission #: 2000-01-0120

MB:

2000/01/17-01.04-001

Date Extracted: 01/17/2000 09:42

| Compound | Result | Rep.Limit | Units | Analyzed | Flag |
|--------------------------|--------|-----------|-------|------------------|------|
| Gasoline | ND | 50 | ug/L | 01/17/2000 09:42 | |
| Benzene | ND | 0.5 | ug/L | 01/17/2000 09:42 | |
| Toluene | ND | 0.5 | ug/L | 01/17/2000 09:42 | |
| Ethyl benzene | ND | 0.5 | ug/L | 01/17/2000 09:42 | |
| Xylene(s) | ND | 0.5 | ug/L | 01/17/2000 09:42 | |
| MTBE | ND | 5.0 | ug/L | 01/17/2000 09:42 | , |
| Surrogate(s) | | | | | |
| Trifluorotoluene | 100.0 | 58-124 | % | 01/17/2000 09:42 | |
| 4-Bromofluorobenzene-FID | 88.8 | 50-150 | % | 01/17/2000 09:42 | |

Submission #: 2000-01-0120

Environmental Services (SDB)

To: Aqua Science Engineers, Inc.

Test Method:

8015M

8020

Prep Method:

5030

Batch QC Report Gas/BTEX and MTBE

Method Blank

Water

QC Batch # 2000/01/18-01.04

MB:

2000/01/18-01.04-001

Date Extracted: 01/18/2000 09:27

| Compound | Result | Rep.Limit | Units | Analyzed | Flag |
|--------------------------|--------|-----------|-------|------------------|------|
| Gasoline | ND | 50 | ug/L | 01/18/2000 09:27 | |
| Benzene | ND | 0.5 | ug/L | 01/18/2000 09:27 | |
| Toluene | ND | 0.5 | ug/L | 01/18/2000 09:27 | |
| Ethyl benzene | ND | 0.5 | ug/L | 01/18/2000 09:27 | |
| Xylene(s) | ND | 0.5 | ug/L | 01/18/2000 09:27 | |
| MTBE | ND | 5.0 | ug/L | 01/18/2000 09:27 | |
| Surrogate(s) | | | | | |
| Trifluorotoluene | 97.6 | 58-124 | % | 01/18/2000 09:27 | |
| 4-Bromofluorobenzene-FID | 99.6 | 50-150 | % | 01/18/2000 09:27 | |

Submission #: 2000-01-0120

Environmental Services (SDB)

To: Aqua Science Engineers, Inc.

Test Method:

8015M

8020

Attn: Ian T. Reed

Prep Method:

5030

Batch QC Report

Gas/BTEX and MTBE

Laboratory Control Spike (LCS/LCSD)

Water

QC Batch # 2000/01/12-01.01

LCS:

2000/01/12-01.01-001

Extracted: 01/12/2000 10:40

Analyzed: 01/12/2000 10:40

LCSD:

2000/01/12-01.01-002

Extracted: 01/12/2000 11:08

Analyzed: 01/12/2000 11:08

| Compound | Conc. | [ug/L] | Exp.Conc. | [ug/L] | Recov | /егу [%] | RPD | Ctrl. Lim | its [%] | Flag | gs |
|-------------------------|-------|----------|-----------|----------|-------|----------|------|-----------|---------|------|------|
| | LCS | LCSD | LCS | LCSD | LCS | LCSD | [%] | Recovery | RPD | LCS | LCSD |
| Gasoline | 528 | 544 | 500 | 500 | 105.6 | 108.8 | 3.0 | 75-125 | 20 | | |
| Вепzепе | 117 | 97.8 | 100.0 | 100.0 | 117.0 | 97.8 | 17.9 | 77-123 | 20 | | |
| Toluene | 120 | 102 | 100.0 | 100.0 | 120.0 | 102.0 | 16.2 | 78-122 | 20 | | |
| Ethyl benzene | 124 | 102 | 100.0 | 100.0 | 124.0 | 102.0 | 19.5 | 70-130 | 20 | | |
| Xylene(s) | 354 | 302 | 300 | 300 | 118.0 | 100.7 | 15.8 | 75-125 | 20 | | |
| Surrogate(s) | | | | | | | | | | | |
| 4-Bromofluorobenzene-Fl | 354 | 373 | 500 | 500 | 70.8 | 74.6 | | 50-150 | | | |

Aqua Science Engineers, Inc.

Environmental Services (SDB)

Test Method:

8015M

Submission #: 2000-01-0120

8020

Attn: Ian T Reed

Prep Method:

5030

Batch QC Report

Gas/BTEX and MTBE

Laboratory Control Spike (LCS/LCSD)

Water

QC Batch # 2000/01/14-01.05

LCS:

2000/01/14-01.05-002

Extracted: 01/14/2000 10:54

Analyzed: 01/14/2000 10:54

LCSD:

2000/01/14-01.05-003

Extracted: 01/14/2000 11:27

Analyzed: 01/14/2000 11:27

| Compound | Conc. | [ug/L] | Exp.Conc. | [ug/L] | Recov | ery [%] | RPD | Ctrl. Lim | its [%] | Flag | gs |
|-------------------------|-------|----------|-----------|----------|-------|---------|-----|-----------|---------|------|------|
| | LCS | LCSD | LCS | LCSD | LCS | LCSD | [%] | Recovery | RPD | LCS | LCSD |
| Gasoline | 519 | 504 | 500 | 500 | 103.8 | 100.8 | 2.9 | 75-125 | 20 | | |
| Benzene | 107 | 104 | 100.0 | 100.0 | 107.0 | 104.0 | 2.8 | 77-123 | 20 | | |
| Toluene | 102 | 97.2 | 100.0 | 100.0 | 102.0 | 97.2 | 4.8 | 78-122 | 20 | | |
| Ethyl benzene | 104 | 97.6 | 100.0 | 100.0 | 104.0 | 97.6 | 6.3 | 70-130 | 20 | | |
| Xylene(s) | 302 | 287 | 300 | 300 | 100.7 | 95.7 | 5.1 | 75-125 | 20 | | |
| Surrogate(s) | | | | | | | | | | | |
| Trifluorotoluene | 527 | 483 | 500 | 500 | 105.4 | 96.6 | | 58-124 | | | |
| 4-Bromofluorobenzene-FI | 434 | 429 | 500 | 500 | 86.8 | 85.8 | i | 50-150 | | | |

Submission #: 2000-01-0120

Environmental Services (SDB)

To: Aqua Science Engineers, Inc.

Test Method: 8015M

8020

🗼 Attn: Ian T. Reed

Prep Method:

5030

Batch QC Report

Gas/BTEX and MTBE

Laboratory Control Spike (LCS/LCSD)

Water

QC Batch # 2000/01/17-01.04

LCS:

2000/01/17-01.04-002

Extracted: 01/17/2000 07:16

Analyzed: 01/17/2000 07:16

LCSD: 20

2000/01/17-01.04-003

Extracted: 01/17/2000 07:44

Analyzed: 01/17/2000 07:44

| Compound | Conc. | [ug/L] | Exp.Conc. | [ug/L] | Recov | ery [%] | RPD | Ctrl. Lim | its [%] | Flag | gs |
|-------------------------|-------|----------|-----------|----------|-------|---------|------|-----------|---------|------|------|
| | LCS | S LCSD | LCS | LCSD | LCS | LCSD | [%] | Recovery | RPD | LCS | LCSD |
| Gasoline | 522 | 589 | 500 | 500 | 104.4 | 117.8 | 12.1 | 75-125 | 20 | | |
| Benzene | 105 | 93.6 | 100.0 | 100.0 | 105.0 | 93.6 | 11.5 | 77-123 | 20 | | |
| Toluene | 103 | 92.7 | 100.0 | 100.0 | 103.0 | 92.7 | 10.5 | 78-122 | 20 | | |
| Ethyl benzene | 101 | 90.3 | 100.0 | 100.0 | 101.0 | 90.3 | 11.2 | 70-130 | 20 | | |
| Xylene(s) | 298 | 270 | 300 | 300 | 99.3 | 90.0 | 9.8 | 75-125 | 20 | | |
| Surrogate(s) | | | | | | | | | | | |
| Trifluorotoluene | 484 | 414 | 500 | 500 | 96.8 | 82.8 | | 58-124 | | | |
| 4-Bromofluorobenzene-Fl | 435 | 427 | 500 | 500 | 87.0 | 85.4 | | 50-150 | | | |

Environmental Services (SDB)

Aqua Science Engineers, Inc.

Test Method:

8015M

8020

Submission #: 2000-01-0120

🗼 Attn: Ian T. Reed

To:

Prep Method:

5030

Batch QC Report

Gas/BTEX and MTBE

Laboratory Control Spike (LCS/LCSD)

Water

QC Batch # 2000/01/18-01.04

LCS:

2000/01/18-01.04-002

Extracted: 01/18/2000 05:50

Analyzed: 01/18/2000 05:50

LCSD:

2000/01/18-01.04-003

Extracted: 01/18/2000 06:17

Analyzed: 01/18/2000 06:17

| Compound | Conc. | [ug/L] | Exp.Conc. | [ug/L] | Recov | ery [%] | RPD | Ctrl. Lim | its [%] | Fla | gs |
|-------------------------|-------|----------|-----------|----------|-------|--------------|------|-----------|---------|-----|----------|
| | LCS | LCSD | LCS | LCSD | LCS | LCSD | [%] | Recovery | RPD | LCS | LCSD |
| Gasoline | 519 | 504 | 500 | 500 | 103.8 | 100.8 | 2.9 | 75-125 | 20 | | <u> </u> |
| Benzene | 99.8 | 89.7 | 100.0 | 100.0 | 99.8 | 89.7 | 10.7 | 77-123 | 20 | | |
| Toluene | 98.8 | 88.5 | 100.0 | 100.0 | 98.8 | 8 8.5 | 11.0 | 78-122 | 20 | | |
| Ethyl benzene | 97.7 | 86.7 | 100.0 | 100.0 | 97.7 | 86.7 | 11.9 | 70-130 | 20 | | |
| Xylene(s) | 289 | 260 | 300 | 300 | 96.3 | 86.7 | 10.5 | 75-125 | 20 | | |
| Surrogate(s) | | | ! | | | | | | | | |
| Trifluorotoluene | 441 | 400 | 500 | 500 | 88.2 | 80.0 | | 58-124 | | | |
| 4-Bromofluorobenzene-Fl | 458 | 458 | 500 | 500 | 91.6 | 91.6 | | 50-150 | | | |

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

Chain of Custody

| FAX (925) 837-4853 | | | | | | | | | | | | | , | | | PAG | E | /_ |)F | / | |
|---|--------|------------------------|---|---------------------------------|-------------------------------|---|---------------------------------------|-------------------------------------|--|--|------------------------------------|---------------------|------------|---|------------|-------------------------------|---------|----------|----------|--|--|
| SAMPLER (SIGNATURE) (PHO La TROCA (925)820. C | | | | | PROJECT NAME | | | Compare Price 2844 Mountain B | | | | <u> </u> | S-Shahnazi | | | | JOB NO. | | 3538 | | |
| ANALYSIS REQUEST SPECIAL INSTRUCTIONS: 5 - day TAT | | | | 1PH-GASOLINE (EPA 5030/8015) | TPH-DIESEL (EPA 3510/8015) | PURGEABLE HALOCARBONS (EPA 601/8010) | PURGEABLE AROMATICS (EPA 602/8020) | VOLATILE ORGANICS (EPA 624/8240) | SEMI-YOLATILE ORGANICS (EPA 625/8270) | | LUFT METALS (5) (EPA 6010+7000) | | 1 | ORGANOPHOSPHORUS PESTICIDES (EPA 8140) (EPA 608/8080) | T | FUEL OXYGENATES (EPA 8260) | - | | 1 | | |
| SAMPLE ID. DATE TIME | MATRIX | NO. OF SAMPLES | TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020) | TPH-GA: (EPA 50 | TPH-DIE (EPA 35 | PURGEA (EPA 60 | PURGEA! (EPA 60) | VOLATILE (EPA 62 | SEMI-YO (EPA 62! | OIL & GREASE (EPA 5520) | LUFT MET (EPA 60 | CAM 17 N (EPA 60 | PCBs & I | ORGANI PESTICII (EPA 60 | ORGANG | FUEL OX (EPA 82 | | | | COMPOSITE | |
| BH-A 1/7/00 BH-B 1/7/00 | water | 3 | \leq | | | | _ | | | | | | | | | | | | | | |
| BH-C 1/7/00 | water | 3 | | - | | | | | | | | | | | | | | - | <u> </u> | - | |
| | wher | 3 | \bigcirc | | | | | - | | | | | | | | | | <u>.</u> | | | |
| | | | | | | | | | | | | | | | | _ | | | - | | |
| | | | | | | | | _ | | | | | | | | | | | | | |
| | | <u> </u> | | | · · | | | | | | | | | | | | | <u> </u> | | ļ | |
| | _ | | | | | | | | | | | | | | | | | | | ļ | |
| | | | | | | | | 7 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY: RECEIVED BY: Signature) (time) (signature) | | (time) | <u> </u> | RELINQUISHED BY (signature) | | | (tlme)/ | 80Y | Newso Harriston | | | | | | MENTS | | | | i | | |
| (an TRex) i/7/00 printed name) (date) (printed Company Company | | ted name) (date) pany- | | | (printed name) Company- | | | (date)/ | '10 00 | D. Harrington (printed name) (date) 1804 | | | | | <i>.</i> / | 5-day TAT | | | | | |
| ASE thou | | I Onno | | | Gronald | | | | | Chromalal 1/10/00 | | | | | , | 4.5°C | | | | | |