eva chu Alameda County Health Care Services Agency 1131 Harbor Bay Parkway, Suite 250 Alameda, California 94502-6577

- Weed to confirm MBE+

other crygenates w 18260

Re: **Fourth Quarter 1999 Monitoring Report**

Shell-branded Service Station 11989 Dublin Boulevard Dublin, California Incident #98995328 Cambria Project #241-0548-002



Dear Ms. chu:

On behalf of Equiva Services LLC, Cambria Environmental Technology, Inc. (Cambria) is submitting this ground water monitoring report in accordance with the reporting requirements of 23 CCR 2652d.

FOURTH QUARTER 1999 ACTIVITIES

Ground Water Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California developed, gauged and sampled the site wells. Blaine calculated ground water elevations and compiled the analytical data. Cambria prepared a ground water elevation contour map (Figure 1). The Blaine report, presenting the laboratory report and supporting field documents, is included as Attachment A.

ANTICIPATED FIRST QUARTER 2000 ACTIVITIES

Oakland, CA Sonoma, CA

Portland, OR

Seattle, WA

Cambria **Environmental** Technology, Inc.

1144 65th Street Suite B Oakland, CA 91608 Tel (510) 420-0700 Fax (510) 420-9170 Ground Water Monitoring: Blaine will gauge and sample all wells and tabulate the data. Cambria will prepare a monitoring report.

Subsurface Investigation: Cambria installed three onsite monitoring wells on June 8 and 9, 1999. Results of the investigation will be submitted in a Monitoring Well Installation Report during the first quarter of 2000. Why has it takenso long?

Conduit Study: In a January 28, 2000 telephone conversation with Cambria, eva chu of Alameda County Health Care Services Agency requested that a conduit study be performed at the site Cambria will provide a conduit evaluation in a forthcoming quarterly monitoring report.

CLOSING

We appreciate the opportunity to work with you on this project. Please call Darryk Ataide at (510) 420-3339 if you have any questions or comments.

Sincerely,

Cambria Environmental Technology, Inc



Darryk Ataide, REA I

Project Manager

Ailsa S. Le May, R.G.

Senior Geologist

Figure:

1 - Ground Water Elevation Contour Map

Attachment: A - Blaine Ground Water Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91501-7869

NO. 6717

g:\dublin 11989\qm\4q99qm.doc

Parryk. datade @ cambrin - env. com

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<u>≯</u> B

R ->

October 25, 1999

Shell-branded Service Station

ATTACHMENT A

Blaine Ground Water Monitoring Report and Field Notes



1680 ROGERS AVENUE SAN JOSE, CALIFORNIA 95112-1105 (408) 573-7771 FAX (408) 573-0555 PHONE

December 6, 1999

Karen Petryna Equiva Services LLC P.O. Box 7869 Burbank, CA 91510-7869

> Fourth Quarter 1999 Groundwater Monitoring at Shell-branded Service Station 11989 Dublin Boulevard Dublin, CA

Monitoring performed on October 25, 1999

Groundwater Monitoring Report 991025-M-3

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,

Deidre Kerwin Operations Manager

DK/ek

attachments: Cumulative Table of WELL CONCENTRATIONS

Certified Analytical Report

Field Data Sheets

cc: Anni Kreml

Cambria Environmental Technology, Inc.

1144 65th Street

Oakland, Ca 94608-2411

WELL CONCENTRATIONS Shell-branded Service Station 11989 Dublin Boulevard Dublin, CA

| Well ID | Date | TPPH (ug/L) | TEPH (ug/L) | B (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE 8020 (ug/L) | MTBE 8260 (ug/L) | TOC (MSL) | Depth to Water (ft.) | GW Elevation (MSL) |
|---------|---------------------------|----------------|----------------|----------------|------------------|--------------|----------------|------------------------|------------------------|------------------|----------------------------|--------------------------|
| MW-1 | 07/20/1999 10/25/1999 | <50.0 <50.0 | | | | | | <5.00 <5.00 | NA M NA | 367.99 367.99 | 6.24 | 361.75 361.63 |
| MW-2 | 07/20/1999 10/25/1999 | | 699 761 | 55.0 | <2.50 | 59.5 74.6 | <2.50 <10.0 | 9,370 22,600 | NA F NAH | 365.43 | 20.31 | 345.12 342.68 |
| MW-3 | 07/20/1999 10/25/1999 | | 177 | 4.69 9.49 | <0.500 <0.500 | | | 664 11410 | NA III-NAIPE | 364.97 364.97 | 24.23 | 340.74 #641.74 |

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020

MTBE = methyl-tertiary-butyl ether by EPA Method 8020

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = parts per billion

msl = Mean sea level

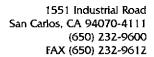
ft = Feet

<n = Below detection limit

NA = Not applicable

Notes:

Wells surveyed June 21, 1999 by Virgil Chavez Land Surveying of Vallejo, California.





November 10, 1999

Leah Davis Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112

RE: Equiva(2)/L910241

Dear Leah Davis:

Enclosed are the results of analyses for sample(s) received by the laboratory on October 26, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson Project Manager

CA ELAP Certificate Number I-2360





| Blaine Tech Services | Project: | Equiva(2) | Sampled: | 10/25/99 |
|----------------------|------------------|------------------------------------|-----------|----------|
| 1680 Rogers Avenue | Project Number: | 11989 Dublin Rd., Dublin/991025-M3 | Received: | 10/26/99 |
| San Jose, CA 95112 | Project Manager: | Leah Davis | Reported: | 11/10/99 |

ANALYTICAL REPORT FOR L910241

| Sample Description | Laboratory Sample Number | Sample Matrix | Date Sampled |
|--------------------|--------------------------|---------------|--------------|
| MW-1 | L910241-01 | Water | 10/25/99 |
| MW-2 | L910241-02 | Water | 10/25/99 |
| MW-3 | L910241-03 | Water | 10/25/99 |





Blaine Tech Services Project: Equiva(2) Sampled: 10/25/99
1680 Rogers Avenue Project Number: 11989 Dublin Rd., Dublin/991025-M3 Received: 10/26/99
San Jose, CA 95112 Project Manager: Leah Davis Reported: 11/10/99

Sample Description:

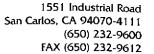
Laboratory Sample Number:

MW-1 L910241-01

| | Batch | Date | Date | Specific Method/ | Reporting | | | |
|-------------------------------------|----------------|-------------|-------------------------|------------------|-----------|--------|-------|--------|
| Analyte | Number | Prepared | Analyzed | Surrogate Limits | Limit | Result | Units | Notes* |
| | | Seque | oia Analytica | l - San Carlos | | | | |
| Total Purgeable Hydrocarbons (C6-C | 12), BTEX an | d MTBE by | DHS LUFT | | | | | |
| Purgeable Hydrocarbons as Gasoline | 9110034 | 11/5/99 | 11/5/99 | | 50.0 | ND | ug/i | |
| Benzene | 11 | Ħ | 17 | | 0.500 | ND | 11 | |
| Toluene | 11 | 71 | ri . | | 0.500 | ND | It | |
| Ethylbenzene | 11 | Ħ | n | | 0.500 | ND | If | |
| Xylenes (total) | If | ** | Ħ | | 0.500 | ND | If | |
| Methyl tert-butyl ether | It | 11 | ** | | 5.00 | ND | rt . | |
| Surrogate: a,a,a-Trifluorotoluene | st | H | н | 70.0-130 | | 90.8 | % | |
| Total Petroleum Hydrocarbons as Die | sel & others l | oy EPA 8015 | <u>sm</u> | | | | | |
| Diesel (C10-C24) | 9110145 | 11/5/99 | 11/8/ 99 | | 50.0 | ND | ug/l | |
| Surrogate: o-Terphenyl | 'n | n | н | 50.0-150 | | 72.5 | % | |

E)

*Refer to end of report for text of notes and definitions.





Blaine Tech Services Project: Equiva(2) Sampled: 10/25/99
1680 Rogers Avenue Project Number: 11989 Dublin Rd., Dublin/991025-M3 Received: 10/26/99
San Jose, CA 95112 Project Manager: Leah Davis Reported: 11/10/99

Sample Description: Laboratory Sample Number: MW-2 L910241-02

| | Batch | Date | Date | Specific Method/ | Reporting | _ | | |
|--------------------------------------|---------------------------|--------------|---------------|-----------------------|-----------|--------|-------|--------|
| Analyte | Number | Prepared | Analyzed | Surrogate Limits | Limit | Result | Units | Notes* |
| | | | | | | | | |
| | | <u>Seque</u> | oia Analytica | <u>l - San Carlos</u> | | | | |
| Total Purgeable Hydrocarbons (C6-C1 | BTEX an | d MTBE by | DHS LUFT | | | | | |
| Purgeable Hydrocarbons as Gasoline | 9110034 | 11/5/99 | 11/5/99 | | 1000 | 4710 | ug/l | 1 |
| Benzene | Ħ | P | Ħ | | 10.0 | 61.1 | ** | |
| Toluene | Ħ | н | Ħ | | 10.0 | ND | ** | |
| Ethylbenzene | 11 | H | # | | 10.0 | 74.6 | 11 | |
| Xylenes (total) | Ħ | н | 11 | | 10.0 | ND | ŧ1 | |
| Methyl tert-butyl ether | 9110047 | 11/8/99 | 11/8/99 | | 1000 | 22800 | 11 | |
| Surrogate: a,a,a-Trifluorotoluene | 9110034 | 11/5/99 | 11/5/99 | 70.0-130 | | 77.1 | % | |
| Total Petroleum Hydrocarbons as Dies | el & others b | oy EPA 8015 | <u>M</u> | | | | | |
| Diesel (C10-C24) | 9110145 | 11/5/99 | 11/8/99 | | 50.0 | 761 | ug/l | 3 |
| Surrogate: o-Terphenyl | IT | " | rf | 50.0-150 | | 73.5 | % | |



Blaine Tech Services 1680 Rogers Avenue Project: Equiva(2)

1: /001005 M2

Sampled: 10/25/99 Received: 10/26/99

San Jose, CA 95112

Project Number: Project Manager:

11989 Dublin Rd., Dublin/991025-M3 Leah Davis

Reported: 11/10/99

Sample Description:

Laboratory Sample Number:

MW-3 L910241-03

| | Batch | Date | Date | Specific Method/ | Reporting | | | • |
|--------------------------------------|---------------|------------|---------------|------------------|-----------|--------|-------|--------|
| Analyte | Number | Prepared | Analyzed | Surrogate Limits | Limit | Result | Units | Notes* |
| | | Seque | oia Analytica | l - San Carlos | | | | |
| Total Purgeable Hydrocarbons (C6-C1 | 2), BTEX an | | | | | | | |
| Purgeable Hydrocarbons as Gasoline | 9110047 | 11/8/99 | 11/8/99 | | 50.0 | 378 | ug/l | 2 |
| Benzene | tt | 11 | 11 | | 0.500 | 9.49 | " | |
| Toluene | H | 11 | 11 | | 0.500 | ND | * | |
| Ethylbenzene | lt . | н | ** | | 0.500 | ND | # | |
| Xylenes (total) | н | IP . | ** | | 0.500 | ND | Ħ | |
| Methyl tert-butyl ether | 11 | H | н | | 50.0 | 1410 | 11 | |
| Surrogate: a,a,a-Trifluorotoluene | # | rr . | н | 70.0-130 | | 119 | % | |
| Total Petroleum Hydrocarbons as Dies | el & others l | y EPA 8015 | M | | | | | |
| Diesel (C10-C24) | 9110145 | 11/5/99 | 11/8/99 | | 50.0 | 182 | ug/l | 4 |
| Surrogate: o-Terphenyl | н | " | n | 50.0-150 | | 77.3 | % | |



| Blaine Tech Services | Project: | Equiva(2) | Sampled: | 10/25/99 |
|----------------------|------------------|------------------------------------|-----------|----------|
| 1680 Rogers Avenue | Project Number: | 11989 Dublin Rd., Dublin/991025-M3 | Received: | 10/26/99 |
| San Jose, CA 95112 | Project Manager: | Leah Davis | Reported: | 11/10/99 |

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control Sequola Analytical - San Carlos

| | Date | Spike | Sample | QC | <u> </u> | Reporting Limit | Recov. | RPD | RPD | |
|------------------------------------|------------|-------------|-----------|--------|----------|------------------|--------|-------|-----|--------|
| Analyte | Analyzed | Level | Result | Result | Units | Recov. Limits | % | Limit | % | Notes* |
| | | | | | | | | | | |
| Batch: 9110034 | Date Prepa | red: 11/5/9 | <u>)9</u> | | Extrac | tion Method: EPA | 5030B | [P/T] | | |
| Blank | 9110034-BI | | | | | | | | | |
| Purgeable Hydrocarbons as Gasoline | 11/5/99 | | | ND | ug/I | 50.0 | | | | |
| Benzene | *1 | | | ND | tr | 0.500 | | | | |
| Toluene | 11 | | | ND | tt | 0.500 | | | | |
| Ethylbenzene | 41 | | | ND | H | 0.500 | | | | |
| Xylenes (total) | " | | | ND | rt | 0.500 | | | | |
| Methyl tert-butyl ether | 11 | | | ND | rt | 5.00 | | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 9.84 | rt . | 70.0-130 | 98.4 | | | |
| Blank | 9110034-BI | <u>_K2</u> | | | | | | | | |
| Purgeable Hydrocarbons as Gasoline | 11/7/99 | | | ND | ug/l | 50.0 | | | | |
| Benzene | H | | | ND | 11 | 0.500 | | | | |
| Toluene | Ħ | | | ND | 11 | 0.500 | | | | |
| Ethylbenzene | • | | | ND | II | 0.500 | | | | |
| Xylenes (total) | #1 | | | ND | 11 | 0.500 | | | | |
| Methyl tert-butyl ether | H | | | ND | If | 5.00 | | | | |
| Surrogate: a,a,a-Trifluorotoluene | n | 10.0 | | 10.4 | rr . | 70.0-130 | 104 | | | |
| LCS | 9110034-BS | <u>51</u> | | | | | | | | |
| Benzene | 11/5/99 | 10.0 | | 8.45 | ug/l | 70.0-130 | 84.5 | | | |
| Toluene | 11 | 10.0 | | 8,53 | H | 70.0-130 | 85.3 | | | |
| Ethylbenzene | 11 | 10.0 | | 8.80 | H | 70.0-130 | 88.0 | | | |
| Xylenes (total) | 11 | 30.0 | | 26.4 | | 70.0-130 | 88.0 | | | |
| Surrogate: a,a,a-Trifluorotoluene | H | 10.0 | | 8.62 | " | 70.0-130 | 86.2 | | | |
| LCS | 9110034-BS | | | | | | | | | |
| Purgeable Hydrocarbons as Gasoline | 11/5/99 | 250 | | 261 | ug/l | 70.0-130 | 104 | | | |
| Surrogate: a,a,a-Trifluorotoluene | И | 10.0 | | 7.72 | " | 70.0-130 | 77.2 | | | |
| <u>LCS</u> | 9110034-B5 | | | | | | | | | |
| Benzene | 11/7/99 | 10.0 | | 9.47 | ug/I | 70.0-130 | 94.7 | | | |
| Toluene | И | 10.0 | | 9.86 | 11 | 70.0-130 | 98.6 | | | |
| Ethylbenzene | ır | 10.0 | | 9.90 | н | 70.0-130 | 99.0 | | | |
| Xylenes (total) | It | 30.0 | | 29.9 | | 70.0-130 | 99.7 | | | |
| Surrogate: a,a,a-Trifluorotoluene | rr . | 10.0 | | 10.3 | " | 70.0-130 | 103 | | | |
| <u>LCS</u> | 9110034-B5 | | | | | | | | | |
| Purgeable Hydrocarbons as Gasoline | 11/7/99 | 250 | | 262 | ug/l | 70.0-130 | 105 | | | |
| Surrogate: a,a,a-Trifluorotoluene | n | 10.0 | | 9.50 | " | 70.0-130 | 95.0 | | | |

Sequoia Analytical - San Carlos

*Refer to end of report for text of notes and definitions.



RPD

RPD



Blaine Tech Services Project: Equiva(2) Sampled: 10/25/99
1680 Rogers Avenue Project Number: 11989 Dublin Rd., Dublin/991025-M3 Received: 10/26/99
San Jose, CA 95112 Project Manager: Leah Davis Reported: 11/10/99

Spike

Date

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control Sequois Analytical - San Carlos

Sample

QC

Reporting Limit Recov.

| Analyte | Analyzed | Level | Result | Result | Units | Recov. Limits | % | Limit | % | Notes* |
|------------------------------------|-------------|------------|----------|--------|---------|----------------------|--------------|-------|-------|--------|
| Matrix Spike | 9110034-MS | S1 T.O | 10241-01 | | | | | | | |
| Purgeable Hydrocarbons as Gasoline | 11/5/99 | 250 | ND | 259 | ug/l | 60.0-140 | 104 | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | 110 | 8.48 | 11 | 70.0-130 | 84.8 | | | |
| | | | | | | | | | | |
| Matrix Spike Dup | 9110034-MS | | 10241-01 | • | | | | | | |
| Purgeable Hydrocarbons as Gasoline | 11/5/99 | 250 | ND | 256 | ug/l | 60.0-140 | 102 | 25.0 | 1.94 | |
| Surrogate: a,a,a-Trifluorotoluene | tt . | 10.0 | | 7.69 | п | 70.0-130 | 76.9 | | | |
| Batch: 9110047 | Date Prepar | ed: 11/8/9 | 9 | | Extract | ion Method: EPA | . 5030B | [P/T] | | |
| Blank | 9110047-BL | <u>K1</u> | | | | | | | | |
| Purgeable Hydrocarbons as Gasoline | 11/8/99 | | | ND | ug/l | 50.0 | | | | |
| Benzene | P | | | ND | 11 | 0.500 | | | | |
| Toluene | tr . | | | ND | 11 | 0.500 | | | | |
| Ethylbenzene | H | | | ND | Ħ | 0.500 | | | | |
| Xylenes (total) | н | | | ND | 11 | 0.500 | | | | |
| Methyl tert-butyl ether | н | | | ND | 11 | 5.00 | | | | |
| Surrogate: a,a,a-Trifluorotoluene | ff ff | 10.0 | | 9.97 | π | 70.0-130 | 99.7 | | | |
| <u>LCS</u> | 9110047-BS | 1 | | | | | | | | |
| Benzene | 11/8/99 | 10.0 | | 8.93 | ug/I | 70.0-130 | 89.3 | | | |
| Toluene | IT | 10.0 | | 8.73 | 11 | 70.0-130 | 87.3 | | | |
| Ethylbenzene | PT | 10.0 | | 8.89 | 11 | 70.0-130 | 88.9 | | | |
| Xylenes (total) | H | 30.0 | | 26.5 | 11 | 70,0-130 | 88.3 | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 10.3 | rt | 70.0-130 | 103 | | | |
| LCS | 9110047-BS | 2 | | | | | | | | |
| Purgeable Hydrocarbons as Gasoline | 11/8/99 | 250 | | 255 | ug/l | 70.0-130 | 102 | | | |
| Surrogate: a,a,a-Trifluorotoluene | # | 10.0 | | 11.6 | # | 70.0-130 | 116 | | | |
| · · | 04400457356 | | 10000 15 | | | | | | | |
| <u>Matrix Spike</u> | 9110047-MS | | 10222-15 | 0.46 | 220/1 | 60.0-140 | 94.6 | | | |
| Benzene | 11/9/99 | 10.0 | ND | 9.46 | ug/l | 60.0-140 | 93.7 | | | |
| Toluene | | 10.0 | 0.734 | 10.1 | н | | 95.7 95.8 | | | |
| Ethylbenzene | " | 10.0 | ND | 9.58 | ** | 60.0-140 60.0-140 | 96.3 | | | |
| Xylenes (total) | | 30.0 | ND | 28.9 | # | 70.0-130 | 105 | | | |
| Surrogate: a,a,a-Trifluorotoluene | n | 10.0 | | 10.5 | | /0.0-130 | 103 | | | |
| Matrix Spike Dup | 9110047-MS | | 10222-15 | | | | | | | |
| Benzene | 11/9/99 | 10.0 | ND | 9.71 | ug/l | 60.0-140 | 97.1 | 25.0 | 2.61 | |
| Toluene | 11 | 0.01 | 0.734 | 10.1 | н | 60.0-140 | 93.7 | 25.0 | 0 | |
| Ethylbenzene | If | 10.0 | ND | 9.91 | н | 60.0-140 | 99.1 | 25.0 | 3.39 | |
| Xylenes (total) | II | 30.0 | ND | 29.0 | Ħ | 60.0-140 | 96.7 | 25.0 | 0.415 | |
| Surrogate: a,a,a-Trifluorotoluene | п | 10.0 | | 10.7 | " | 70.0-130 | 107 | | | |

Sequoia Analytical - San Carlos

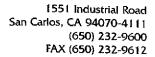
*Refer to end of report for text of notes and definitions.

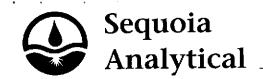


| Blaine Tech Services | Project: | Equiva(2) | Sampled: | 10/25/99 |
|----------------------|------------------|------------------------------------|-----------|----------|
| 1680 Rogers Avenue | Project Number: | 11989 Dublin Rd., Dublin/991025-M3 | Received: | 10/26/99 |
| San Jose, CA 95112 | Project Manager: | Leah Davis | Reported: | 11/10/99 |

Total Petroleum Hydrocarbons as Diesel & others by EPA 8015M/Quality Control Sequoia Analytical - Petaluma

| | Date | Spike | Sample | QC | | Reporting Limit | Recov. | RPD | RPD | |
|---------------------------|------------------------------|------------|-----------|--------|--------|------------------|---------|-------|------|--------|
| Analyte | Analyzed | Level | Result | Result | Units | Recov. Limits | - % | Limit | % | Notes* |
| Batch: 9110145 | Date Prepa | | <u>99</u> | | Extrac | tion Method; EP. | A 3510B | | | |
| Blank Diesel (C10-C24) | <u>9110145-Bl</u> 11/8/99 | <u>LKI</u> | | ND | mg/l | 0.0500 | | | | |
| Surrogate: o-Terphenyl | If | 0.100 | | 0.0876 | " | 50.0-150 | 87.6 | | | |
| LCS | <u>9110145-B</u> | <u>51</u> | | | | | | | | |
| Diesel (C10-C24) | 11/8/99 | 1.00 | | 0.831 | mg/l | 50.0-150 | 83.1 | | | |
| Surrogate: o-Terphenyl | n n | 0.100 | - 23 | 0.0900 | " | 50.0-150 | 90.0 | | | |
| LCS Dup | 9110145-B | SD1 | | | | | | | | |
| Diesel (C10-C24) | 11/8/99 | 1.00 | | 0.880 | mg/l | 50.0-150 | 88.0 | 20.0 | 5.73 | |
| Surrogate: o-Terphenyl | rt | 0.100 | | 0.0925 | ** | 50.0-150 | 92.5 | | | |





| Blaine Tech Services | Project: | Equiva(2) | Sampled: | 10/25/99 |
|----------------------|------------------|------------------------------------|-----------|----------|
| 1680 Rogers Avenue | Project Number: | 11989 Dublin Rd., Dublin/991025-M3 | Received: | 10/26/99 |
| San Jose, CA 95112 | Project Manager: | Leah Davis | Reported: | 11/10/99 |

Notes and Definitions

| # | Note |
|--------|--|
| 1 | Chromatogram Pattern: Gasoline C6-C12 |
| 2 | Chromatogram Pattern: Unidentified Hydrocarbons C6-C12 |
| 3 | Results in the diesel organics range are elevated due to overlap from lower boiling point hydrocarbons. |
| 4 | Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel. |
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| Recov. | Recovery |
| RPD | Relative Percent Difference |

| 1680 ROGERS AV | | | CONDU | CT ANA | LYSIS 1 | TO DETECT | | LAB Sequoia | | DHS# |
|---|---------------|------------|---------|----------------|---------------|--|--------------|---|--------------------|------------------|
| BLAINE AN JOSE, CALIFORNIA 9511 FAX (408) 57 TECH SERVICES, INC. PHONE (408) 57 | 3-7771 | | | | | | | ALL ANALYSIS MUST MEET SPI LIMITS SET BY CALIFORNIA DH EPA LIA | | |
| CHAIN OF 991025M-3 | ERS | | | | | | | OTHER | | |
| CLIENT Equiva - Karen Petryna | CONTAINERS | | | | | • | i | SPECIAL INSTRUCTIONS | | SC |
| SITE 11989 Dublin Blvd. | | \times | | | 8260 | | | Send invoice to Equiva | | |
| Dublin, CA L910241 | COMPOSITE ALL | gas, BTEX | 8020 | | | | | Incide | nt # <u>989953</u> | 328 |
| Mark No Sovense- | DSITI | as, E | × × | | ates | | | Sent report to Blaine Te | ch Services, In | c. |
| MATRIX CONTAINE | RS JAWO | 1 1 | MTBE by | ₩ 1 . | يو ا | | | ATTN | : Ann Pember | |
| SAMPLE I.D. DATE TIME & TOTAL | 0 | ТРН | M S | MID TPH | l 8 | | | ADD'L INFORMATION STAT | US CONDITION | LAB SAMPLE # |
| MW-1 ×10-25-99 1355 W 5 VOA | 45 | K | X | Κ | | | | "Centern he | just # | MIBE |
| | Lug | K | X | X | | | | hit by 8 | 260 11 | |
| mu-3 1 1410 + 5 | | K | K | 1 | <u> </u> | | | | | |
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| | | | _ | | <u> </u> | | | | | |
| | | | | | | | | | | |
| SAMPLING DATE TIME SAMPLING COMPLETED (-25.54 /564 PERFORMED BY | Mark | λ | _ | 5000 | - | | <u> </u> | RESULTS NEEDED NO LATER THAN | | |
| RELEASED BY M. Soren | (Q) | 499 | | ME) V | 1 | RECEIVE | مر | to | DATE 6/26/5 | TIME 9:1/5 |
| RELEASED BY | DAT | E (26/ | 99 | ME | 1 | RECEIVED | | KIT (MH) | 10/26 | 99 TIME 13:30 |
| RELEASED BY (MH) | DA1 | _58 | 99 | IME - - 3 | 5 | RECEIVED |) BY H | lelan | DATE DATE | 1/99 D800 |
| PED VIA | DA | TE SEN | TT | IME SE | | COOLER | ‡ | | - (| |
| | l | | ļ | | | I | | 1 | | 1 . |

WELL GAUGING DATA

| Project # 9910 25 m-3 | Date 10 - 25-89 | Client Egy | 1 1/2 |
|-----------------------|-----------------|------------|-------|
| site 11989 Anblin | Blod, Dublin | CA. | |

| Well ID | Well Size (in.) | Sheen / Odor | | Thickness of Immiscible Liquid (ft.) | | Depth to water (ft.) | Depth to well bottom (ft.) | Survey Point: TOB or TOC | inglesche geschen, eigen er ge |
|---|---|---------------------------------------|--|---|---|---|--|--|--|
| MW-1 | 4 | | V Charles and Char | i seggine in ee gedt ek | is mengan kepan Tida kinasa nggaran kana | 6,36 | 20,10 | 70S | SATO ANTONIO |
| mw-L | 4 | a to the statement of | et di Aku kebelyi iki kembanja | Distriction Control of | To makes of 1945 to the CRA | 2480 | 32,92 | | e Aprily Maley Affects on the Sylveria |
| mw=3 | | see ee it ee watering | akgra wye fikiti i wki | 2 N 7 1 N 1 1982 1 N 18 | i de l'agraphie | 23.26 | 33,20 | | and the office of the control of the |
| i de la Tigrada La Magazadora estre da | | | is to express the property of the second | and the second section of the second of the | Leaving the second of the second of | and the second s | | | |
| र भारत्यम् संभूति | રાજી જિલ્લાનું કે હતા. | , en est grand a | AND TANKS OF A RESERVED | ्डक्ट्रान्ट्रेन वर्षेत्र संस्कृतसम्बद्धाः | garanaga agalasa sadag | egistus personal per un indigente properties est. | 在1960年 · · · · · · · · · · · · · · · · · · · | | |
| a a a egi ta etegéka tékul | and the section of | e e e e e e e e e e e e e e e e e e e | tant bili in Mark i berasi sa | हार हुआ में हैं कि क्षेत्र क्रिक्स की | a nakati na kata nata ting ti | and a state of the endinger even | The second of the second section of the section of | क्षत्व । सम्बद्धाः वेत् वृक्षित्वेदेः प्रकारः । स | प्रमाणिक विकास स्थापित |
| र पुत्र विशेष्ट संस्थित है हुए हैं। इ.स.च्या | , 2 - 1 - 4 - 2 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 | | त्यु १, इ.स.च्या १५० १ | lag in growing with the regarding of | राष्ट्रास्त्रुक्ताच्या स्टेन्ट्या रेग्यासन्त | then Norwig (1994) that he is shown | et i ja maga literatur kan | and see the second | |
| | s jage milaget late se | John Hillson (1) | tot W≑organiya i | n ne i jednom pom | Maria and Andrew Salay (1) | हुन्दि अभिनेता विकास्ता है है वहिन्सित हुए स्त्री | | 2003年1日中央教育教育改革的 | |
| resa li 1995 il 1 | Topic Section | is apreciate antennegara | प्रकारमध्य निर्माण । प्रकार | ्रो केल्प गीकर, र १९५५ वर्ष | E SANGER OF SHARE | तन्त्रमात्वाचा जन्मसङ्क्षणः स्टेशकः स्टेट | | and the second second second | APPEN ANGEL HER STATES |
| es de Euders per distració espec | क्ष्मान्यके पुरस्कार, शक्कारक, | rang segera segera | wystania sa napagana i | t an eografijan entglich gewen | ing new regions to the control Super. | प्रकारकारम् अत्यविकाराज्ञेसम् राज्ञकान | alle sign of the later of the l | Programme and the | राष्ट्रक स्टब्स् ज्यस्य व्यक्तपुर्वाण |
| a degree est ester | an englesser end | in significant massive to the de- | The Color of the Color of | THE STATE OF THE STATE OF | सम्बद्धाः स्टब्स्ट्रास्य स्थानस्यस्य | जेदम क्षेत्रका क्षेत्रेले वर्ग १ मध्ये १ वर्ग १ वर्ग | e especial de la compressión de la comp | ্ত্ৰ প্ৰস্তৃত্ব নাইকেইফ | क्षा क्षेत्रसम्बद्धाः स्टब्स्य । अस्य १५ |
| er i silandisi | ME AND SUPER | The states in the second | avenu altinosti in un igini | | र इस प्रस्ति है। इस पूर्व ने से ले के का है। | et resulte religion, squares de la companya de la companya del companya del companya de la compa | erde valleram vorga i de Egandadon v | ertrage og er ett ertreggetaller. | a nije kasa kina Perang |
| | 1000 400 | | | रेट अस्ति स ्व र्धिकार | e sekepte esti in il 190 No | Supplied to assess the sup- | m militaria (n. 1886) | ng Propinsi di Kabupatèn | |
| to the second of the second | ter aperetaki | Paragraphia (1941) | Park, in english | g agont og greker til sam | ngerrandersa ou a light eig | क्षेत्रस्य १९ मध्यक्षस्य स्टब्स्ट | रहे - ब्लिक्टिक सुद्धाः । हि.च. २०० | de l'est in legal Herkiet youth | an Bawa an area an a sa |
| | | * * 1 × 1 × 1 × 1 | | | · · · · · · · · · | त्र पुरुष कियो प्रस्तापन प्रदेश । सं | - 4 | um mana ng pa | , gav and with the |
| | | | ra 184 - Ar - Ara B | | e was et e et vallage | and the second second | See | and the second second | an an ing pagaman gara |
| | | | | | स्थान क्षेत्र । २ ८० स. १ कुळी १ | न्तर्भ अस्तरिक न्द्रीत से वर्धात | રાજાનું પ્રાથમિક વાર્ષણ પ્રાથમિક છે. | Bryd own as to State. | er en |

EQUIVA WELL MONITORING DATA SHEET

| During H. Chalana | _ | | x + " () () () | | | | |
|-----------------------------|--------------|------------------------------|-----------------------------------|--------------|--|--|--|
| Project #: 991025 m- | 3 | Job# 98995328 | | | | | |
| Well I.D.: MW- | | Date: 10 ~ 25 - 9 9 | | | | | |
| Well I.D.: Mw- | | Well Diamete | er: 2 3 4 |) 6 8 | | | |
| Total Well Depth: 20.10 |) | Depth to Wat | er: 6,36 | | | | |
| Depth to Free Product: | | Thickness of | Free Product (fe | eet): | | | |
| Referenced to: | Grade | D.O. Meter (i | | | | | |
| Well Diameter M | lultiplier | Well Diameter | Multiplier | YSI HACH | | | |
| | 0.16 0.37 | 5" 6" | 1.02 | | | | |
| 4 4 | 0.65 | • | 1.47 dius ² * 0.163 | | | | |
| Purge Method: Bailer | | Sampling Method | | | | | |
| Middleburg | | pamping Memod | | | | | |
| Electric Submersib | ile . | Othe | Extraction Port | | | | |
| Extraction Pump | | Other | · | , | | | |
| Other: | | | | | | | |
| Fa | x 3 | | | | | | |
| | · | = | Gals. | | | | |
| l Case Volume (Gals.) | Specified Vo | olumes Ca | lculated Volume | | | | |
| Time Temp (°F) pH | Cond. | Turbidity | Gals. Removed | Observations | | | |
| 1345 74.8 7.2 | 4135 | 7200 | 9 | | | | |
| 1346 75.3 7.2 | 400 | 7200 | 18 | | | | |
| 1347 73.2 7.2 | 1090 | >200 | 27 | | | | |
| 1348 73.0 7.2 | 1070 | 7260 | 36 | | | | |
| | | | | | | | |
| Oid well dewater? Yes No | | Gallons actuall | y evacuated: | 36 | | | |
| Sampling Time: \$ 135 | 5 | Sampling Date: | 10-25- | 99 | | | |
| ample I.D.: Mw- / |] | Laboratory: Sequoia BC Other | | | | | |
| analyzed for: TPH-G BYEX OM | гве трн-D (| Other: | | | | | |
| O.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L | | | |
| O.R.P. (if req'd): | | | | | | | |

EQUIVA WELL MONITORING DATA SHEET

| Project # | : 99 | 1025 | m-3 | Job# 9 | 89953 | 18 | | |
|-------------|-------------------------|--|------------------------------------|---|---|--------------------------|--|--|
| Sampler: | p | Nuch 1W-2 | 5. | Date: ((| 1-25-99 | | | |
| Well I.D. | .: m | 1W-2 | | Well Diamete | er: 2 3 4 | 68 | | |
| Total We | Total Well Depth: 32,92 | | | | er: 22,5 |] | | |
| Depth to | Free Prod | uct: | | Thickness of | Free Product (fe | eet): | | |
| Reference | ed to: | PVC | Grade | D.O. Meter (i | f rea'd): | YSI HACH | | |
| Purge Metho | Well Diams 2" 3" 4" | | Multiplier 0.16 0.37 0.65 | Well Diameter 5" 6" Other ra | Multiplier 1.02 1.47 dius ² * 0.163 | (3 ³) (3) | | |
| rurge Metin | Ete | Bailer Middleburg ctric Submers Extraction Pun | | Sampling Method: Extraction Port Other: | | | | |
| | I Case Vol | Lume (Gais.) | x Specified Vo | olumes Ca | Gals. | | | |
| Time | Temp (°F) | pН | Cond. | Turbidity | Gals. Removed | Observations | | |
| 1450 | 71.9 | 7.3 | 1400 | 7200 | 7 | | | |
| 1451 | 71.0 | 7.1 | 1250 | 7200 | 14 | | | |
| 1452 | .70.9 | ٦,١ | 1/20 | 140 | 20 | | | |
| | | | | | | | | |
| | | | | | : | | | |
| Did well o | lewater? | Yes C | No) | Gallons actual | ly evacuated: | 20 | | |
| Sampling | Time: | 1455 | • | Sampling Date | e: <i>l</i> | 0-25-99 | | |
| Sample I.I | D.: / | 112-2 | | Laboratory: | Sequoia BC | Other | | |
| Analyzed | for: TPH- | BTEX (| MTBE (PH-D) | Other: | | | | |
| D.O. (if re | q'd): | | Pre-purge: | mg/L | Post-purge: | mg/L | | |
| O.R.P. (if | req'd): | | Pre-purge: | mV | Post-purge: | mV | | |

EQUIVA WELL MONITORING DATA SHEET

| D: 111 OC 1 | | | | | | | | |
|--------------|--------------|--------------------|-------------|-----------------|-------------------------|---------------------------------------|---------|--|
| Project # | #: 94/ | 25 m | 1.3 | Job# 9 | 899532 | 28 | _ | |
| Sampler | Mic | wks. | | Date: | 16-25-9 | Î | | |
| Well I.D |).: <i>N</i> | 11-3 | | Well Diamete | , , |) 6 8 | _ | |
| Total We | ell Depth: | 和以 | 学 33,20 | Depth to Wat | er: 23,2 | 6 | | |
| Depth to | Free Prod | luct: | | Thickness of | Free Product (fe | | | |
| Reference | ed to: | PVC | Grade | D.O. Meter (i | | · · · · · · · · · · · · · · · · · · · | | |
| | Well Diam | | Multiplier | Well Diameter | Multiplier | YSI | HACH | |
| | 2" | | 0.16 | 5" | <u>минірнег</u> 1.02 | , | | |
| | 3" | | 0.37 | 6" | L.47 | | | |
| _ | 4" | | 0.65 | Other ra | dius² * 0.163 | | | |
| Purge Meth | od: | Baile r | | Sampling Method | l: Bailer | | | |
| | | Middleburg | | | Extraction Port | | | |
| | Œ | ectric Submers | sible | Other | • | | | |
| | | Extraction Pun | | Ouici | | - | | |
| | Other: | | .ip | | | | | |
| | Cinci. | | | | | | | |
| | (0 | .4 . | 7 | | 193 | | | |
| | I Care Vol | lume (Gals.) | x3 | = | Gals. | | | |
| | 1 Case Voi | uine (Gais.) | Specified V | olumes Ca | lculated Volume | | | |
| Time | Temp (°F) | pН | Cond. | Turbidity | Gals. Removed | Obser | vations | |
| 1410 | 72.2 | 7.3 | 1200 | 7200 | 7 | | | |
| 1411 | 70.3 | 7,2 | 1350 | 145 | 14 | | | |
| 1412 | 69.3 | 7,2 | 1390 | 155 | 21 | | | |
| į | | | | | | | | |
| | | | | | | | | |
| Did well d | lewater? | Yes | No | Gallons actuall | v evacuated: | 7 / | | |
| Sampling ' | Time: | 1420 | | | <u> </u> | | | |
| | | | | camping Date | Sampling Date: 10-25-99 | | | |
| Sample I.I | D.: M | W-3 | | Laboratory: (| Sequoia BC | Other | | |
| Analyzed t | for: TPH- | BTEX | MTBE (PH-D) | Other: | | | | |
| O.O. (if red | q'd): | | Pre-purge: | mg/L | Post-purge: | | mg/L | |
| D.R.P. (if 1 | req'd): | | Pre-purge: | mV | Post-purge: | | mV | |
| | | | | | - 1 | | 4 | |