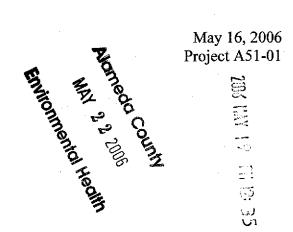
erSchy Environmental, Inc.



Mr. Barney Chan Alameda County Health Care Services Agency Environmental Health Services 1131 Harbor Bay Parkway, Ste. 250 Alameda, California 94502-6577

### Re: Results of February 2006 Quarterly Groundwater Monitoring, Alaska Gasoline Company, Oakland, California, Case #RO0000127

Dear Mr. Chan:

HerSchy Environmental, Inc. is pleased to present the results of the most recent quarterly groundwater monitoring event for the above-referenced site. The site is located at 6211 San Pablo Avenue, which is on the northwest corner of San Pablo Avenue and 62<sup>nd</sup> Street in Oakland, Alameda County, California (Figure 1). Groundwater monitoring was performed on February 8, 2006.

#### METHODS OF INVESTIGATION

#### Groundwater Sampling Procedures:

Groundwater samples were collected from five of the seven monitoring and extraction wells on February 8, 2006. Monitoring well MW-4 and extraction well EX-1 were found to have floating product, and therefore were not sampled. All monitoring wells were measured for static water level and total depth using an electric sounder prior to initiating sampling. Depth to groundwater was recorded to the nearest 0.01 feet on field sampling data sheets. The groundwater elevation in the monitoring wells was calculated by subtracting the measured depth to groundwater from the surveyed well elevation. The depth to groundwater, total depth of the well, and well diameter were used to calculate the purge volume.

At least three casing volumes were purged from each well prior to collecting a groundwater sample using a Waterra electric pump and dedicated hoses. Physical characteristics (temperature, electrical conductivity, and pH), were measured at the initiation of purging and then again just prior to collection of the groundwater sample. These characteristics were recorded on field sampling data sheets which are presented in Appendix A. One sample from each well was collected and contained in three 40-milliliter vials. Each of the sample containers

were filled completely to form a positive meniscus, capped, and checked to ensure no air bubbles were present.

Samples were sealed in a ziplock bag and placed in a cooler chest with frozen gel packs ("blue ice") immediately after sampling. Samples were maintained at, or below, four degrees Celsius until delivered to the laboratory. Groundwater samples were handled under chain-of-custody documentation until delivered to a California certified laboratory.

#### Laboratory Analysis:

Groundwater samples were analyzed for gasoline-range total petroleum hydrocarbons (TPHg), benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl tertiary butyl ether (MTBE). Samples were analyzed using EPA method 8020 for BTEX and MTBE. Groundwater samples were also analyzed for the fuel oxygenates and additives MTBE, di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butanol (TBA), 1,2-dichloroethane (1,2-DCA) and ethylene dibromide (EDB) using EPA method 8260.

### **RESULTS OF INVESTIGATION**

#### Groundwater Conditions:

Because MW-4 and EX-1 contained floating product, no samples were collected from these wells. Normally, groundwater data from wells with floating product is not used in determining the groundwater flow direction or gradient. However, this quarter, EX-1 was not found to have floating product when it was initially sounded. Free product was observed after purging. For this reason, the water level data from EX-1 was used in Figure 2 this quarter.

Groundwater was present beneath the site at an average depth of 5.94 feet below the surveyed well elevations during the February 2006 monitoring event. Groundwater elevation during this quarter averaged 29.50 feet above mean sea level. This represents an increase in average groundwater elevation of about 1.48 feet since the November 2005 monitoring event, based on average depth to groundwater. This calculation uses only the wells with groundwater elevation data for both quarters. Groundwater flow direction is approximately South 48 degrees West at a gradient of 0.010. Groundwater conditions are summarized in Table 1 and are presented graphically in Figure 2.

. . . .

|  | T         | able 1             |                   |  |  |  |  |
|--|-----------|--------------------|-------------------|--|--|--|--|
| Groundwater Conditions, Alaska Gasoline, Oakland |           |                    |                   |  |  |  |  |
| Well Number                                      | Elevation | Depth to GW        | GW Elevation      |  |  |  |  |
| May 24 and 26, 20                                | 005       |                    |                   |  |  |  |  |
| EX-1   | 33.28     | NS                 | NS                |  |  |  |  |
| MW-1R  | 36.67     | NS                 | NS                |  |  |  |  |
| MW-2   | 36.33     | 6.39               | 29.94             |  |  |  |  |
| MW-3   | 35.12     | NS                 | NS                |  |  |  |  |
| MW-4   | 34.11     | 0.48' free product | 28.79 (Estimated) |  |  |  |  |
| MW-5   | 35.17     | 6.02               | 29.15             |  |  |  |  |

| <u>Groun</u>               | dwater Condition    | <u>s, Alaska Gasoline, Oakla</u> | <u>nd</u>            |
|----------------------------|---------------------|----------------------------------|----------------------|
| Well Number                | Elevation           | Depth to GW                      | <b>GW</b> Elevation  |
|                            | 36.07               | NS                               | NS                   |
| Flow Direction = S. 16 W.; | Gradient = .0097; ] | Estimate only                    |                      |
|                            |                     |                                  |                      |
| August 15 & 17, 2005       |                     |                                  |                      |
| EX-1                       | 33.28               | 0.83' free product               |                      |
| MW-1R                      | 36.67               | 8.55                             | 28.12                |
| MW-2                       | 36.33               | 7.99                             | 28.34                |
| MW-3                       | 35.12               | 7.71                             | 27.41                |
| MW-4                       | 34.11               | 0.5' free product                |                      |
| MW-5                       | 35.17               | 6.75                             | 28.42                |
| MW-6                       | 36.07               | 7.91                             | 28.16                |
| Flow Direction = S. 38 W.; |                     |                                  |                      |
| November 17, 2005          |                     |                                  |                      |
| EX-1                       | 33.28               | NS                               | NS                   |
| MW-1R                      | 36.67               | 8.41                             | 28.26                |
| MW-2                       | 36.33               | 7.88                             | 28.45                |
| MW-3                       | 35.12               | 7.56                             | 27.56                |
| MW-4                       | 34.11               | 0.75' free product               |                      |
| MW-5                       | 35.17               | 6.47                             | 28.70                |
| MW-6                       | 36.07               | 7.80                             | 28.27                |
| Flow Direction = S. 35 W.; |                     | 7.00                             | 20.27                |
|                            |                     |                                  |                      |
| February 8, 2006           |                     |                                  |                      |
| EX-1*                      | 33.28               | 4.92*                            | 28.36*               |
| MW-1R                      | 36.67               | 6.81                             | 29.86                |
| MW-2                       | 36.33               | 6.24                             | 30.09                |
| MW-3                       | 35.12               | 6.00                             | 29.12                |
| MW-4                       | 34.11               | 0.27' free product               | *****                |
| MW-5                       | 35.17               | 5.53                             | 29.64                |
| MW-6                       | 36.07               | 6.16                             | 29.91                |
| Flow Direction = S. 48 W.; | Gradient = .010     |                                  |                      |
| Elevations in feet         |                     | NS = buried and i                | not sounded or sampl |

| Table 1        |           |          |           |       |  |  |  |
|----------------|-----------|----------|-----------|-------|--|--|--|
| ındwater Condi | tions. Al | aska Gas | soline, O | aklaı |  |  |  |

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\* = Screen drowned, all free product previously extracted during testing on 12/27/05

Based on the data gathered from the site monitoring wells, the groundwater flow direction is toward San Francisco Bay, located approximately 0.75 miles southwest of the site. Regional groundwater flow appears to parallel the surface grade in the area.

### Groundwater Quality:

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Groundwater samples were submitted to the laboratory and analyzed for the abovementioned fuel constituents. Certified analytical reports and chain-of-custody documentation are presented in Appendix B and are summarized in Table 2 below:

| Table 2           Laboratory Analytical Results for Groundwater, Alaska Gasoline, Oakland |             |         |         |                                       |         |         |  |
|---|-------------|---------|---------|---------------------------------------|---------|---------|--|
| Well No   | TPHg        | Benzene | Toluene | Ethylbenzene                          | Xylenes | MTBE    |  |
| May 24 and  |             |         |         | · · · · · · · · · · · · · · · · · · · |         |         |  |
| EX-1  | NA          | NA      | NA      | NA                                    | NA      | NA      |  |
| MW-1R   | NA          | NA      | NA      | NA                                    | NA      | NA      |  |
| MW-2  | 22,000      | 3,200   | 52      | 1,400                                 | 1,700   | 16,000  |  |
| MW-3  | ŃA          | NA      | NA      | NA                                    | NA      | NA      |  |
| MW-4  | NA          | NA      | NA      | NA                                    | NA      | NA      |  |
| MW-5  | ND          | ND      | ND      | ND                                    | ND      | 1.0     |  |
| MW-6  | NA          | NA      | NA      | NA                                    | NA      | NA      |  |
| August 15 a   | nd 17, 2005 |         |         |                                       |         |         |  |
| EX-1  | NA          | NA      | NA      | NA                                    | NA      | NA      |  |
| MW-1R   | 2,500       | 64      | 240     | 61                                    | 210     | 2,300   |  |
| MW-2  | 2,000       | 66      | ND      | 46                                    | 47      | 2,400   |  |
| MW-3  | 110,000     | 1,500   | ND      | ND                                    | ND      | 260,000 |  |
| MW-4  | NA          | NA      | NA      | NA                                    | NA      | NA      |  |
| MW-5  | ND          | ND      | ND      | ND                                    | ND      | 0.88    |  |
| MW-6  | 1,800       | 27      | ND      | 6.0                                   | 23      | 3,800   |  |
| November 1  | 7, 2005     |         |         |                                       |         |         |  |
| EX-1  | NA          | NA      | NA      | NA                                    | NA      | NA      |  |
| MW-1R   | 2,500       | 66      | 290     | 75                                    | 290     | 1,300   |  |
| MW-2  | 760         | 19      | 0.64    | 15                                    | 13      | 1,000   |  |
| MW-3  | 200,000     | 2,400   | ND      | ND                                    | ND      | 580,000 |  |
| MW-4  | NA          | NA      | NA      | NA                                    | NA      | NA      |  |
| MW-5  | 71          | 0.81    | ND      | 1.1                                   | ND      | 1.4     |  |
| MW-6  | 1,100       | 30      | ND      | 4.4                                   | 9.0     | 2,400   |  |
| February 8,   | 2006        |         |         |                                       |         |         |  |
| EX-1  | NA          | NA      | NA      | NA                                    | NA      | NA      |  |
| MW-1R   | 3,300       | 100     | 310     | 86                                    | 470     | 1,400   |  |
| MW-2  | 10,000      | 1,500   | 7.6     | 660                                   | 380     | 4,300   |  |
| MW-3  | 470,000     | 3,800   | 660     | ND                                    | 790     | 490,000 |  |
| MW-4  | NA          | NA      | NA      | NA                                    | NA      | NA      |  |
| MW-5  | 50          | ND      | ND      | ND                                    | ND      | 1.0     |  |
| MW-6  | 3,600       | 220     | 43      | 66                                    | 160     | 2,700   |  |

All results presented in parts per billion (ppb)

MTBE results by EPA method 8260

NA= no analysis

ND= below detectable limits

As requested by your office, groundwater samples were also analyzed for the fuel additives di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butanol (TBA), 1,2-dichloroethane (1,2-DCA), ethylene dibromide (EDB), methanol, and ethanol. Ethanol and methanol were not detected in any of the groundwater samples during the May 2004 monitoring event and are no longer being included in the laboratory analysis. Laboratory analytical results for the fuel additives and degradation products are presented in Appendix B and are summarized in Table 3 below:

|                         | Table 3             |          |            |          |             |               |                   |             |  |
|-------------------------|---------------------|----------|------------|----------|-------------|---------------|-------------------|-------------|--|
| <u>Laboratory</u>       | / Analyt            | ical Res | ults for G | roundwat | ter, Alaska | <u>Gasoli</u> | <u>ne, Oaklan</u> | d           |  |
| Sample                  | DIPE                | ETBE     | TAME       | TBA      | 1,2-DCA     | EDB           | Methanol          | Ethanol     |  |
| May 24 and 25, 200      | May 24 and 25, 2005 |          |            |          |             |               |                   |             |  |
| MW-1R                   | NS                  | NS       | NS         | NS       | NS          | NS            | NS                | NS          |  |
| MW-2                    | ND                  | ND       | 610        | ND       | ND          | ND            | NA                | NA          |  |
| MW-3                    | NS                  | NS       | NS         | NS       | NS          | NS            | NS                | NS          |  |
| MW-5                    | ND                  | ND       | ND         | ND       | ND          | ND            | NA                | NA          |  |
| MW-6                    | NS                  | NS       | NS         | NS       | NS          | NS            | NS                | NS          |  |
| August 15 and 17, 2     | 2005                |          |            |          |             |               |                   |             |  |
| MW-IR                   | ND                  | ND       | 210        | ND       | ND          | ND            | NA                | NA          |  |
| MW-2                    | ND                  | ND       | 95         | 880      | ND          | ND            | NA                | NA          |  |
| MW-3                    | ND                  | ND       | 21,000     | 25,000   | ND          | ND            | NA                | NA          |  |
| MW-5                    | ND                  | ND       | ND         | ND       | ND          | ND            | NA                | NA          |  |
| MW-6                    | ND                  | ND       | 300        | 3,500    | ND          | ND            | NA                | NA          |  |
| November 17, 2005       |                     |          |            |          |             |               |                   |             |  |
| MW-1R                   | ND                  | ND       | 110        | 1,600    | ND          | ND            | NA                | NA          |  |
| MW-2                    | ND                  | ND       | 26         | 810      | ND          | ND            | NA                | NA          |  |
| MW-3                    | ND                  | ND       | 24,000     | 49,000   | ND          | ND            | NA                | NA          |  |
| MW-5                    | ND                  | ND       | ND         | ND       | ND          | ND            | NA                | NA          |  |
| MW-6                    | ND                  | ND       | 190        | 9,500    | ND          | ND            | NA                | NA          |  |
| February 8, 2006        |                     |          |            |          |             |               |                   |             |  |
| MW-IR                   | ND                  | ND       | 130        | 1,400    | ND          | ND            | NA                | NA          |  |
| MW-2                    | ND                  | ND       | 120        | 2,800    | ND          | ND            | NA                | NA          |  |
| MW-3                    | ND                  | ND       | 26,000     | 49,000   | ND          | ND            | NA                | NA          |  |
| MW-5                    | ND                  | ND       | ŃD         | ND       | ND          | ND            | NA                | NA          |  |
| MW-6                    | ND                  | ND       | 180        | 7,800    | ND          | ND            | NA                | NA          |  |
| ND = below detectable c | oncentrati          | ons      |            |          |             |               | NA =              | no analysis |  |

All results in parts per billion (ppb)

NA = no analysisNS = not sampled

No DIPE, ETBE, EDB, or 1,2-DCA was detected in the groundwater samples during the February 2006 monitoring event. The chain-of-custody, and therefore the analytical results, list an MW-R1. This is actually MW-1R and has been referred to as such in this report.

#### CONCLUSIONS AND RECOMMENDATIONS

All of the on-site monitoring wells sampled during the February 2006 event were impacted, to varying degrees, with gasoline constituents. The highest concentrations detected this quarter are from MW-3, the well that historically has recorded the highest contaminant concentrations of the wells without floating product. Concentrations remain low in MW-5. This is likely due to the up-gradient location of MW-5 relative to the USTs. Relatively high concentrations of petroleum hydrocarbons remain in soil and groundwater beneath the subject site. This is clearly evident by the fact that monitoring well MW-4 and extraction well EX-1 continue to contain floating product.

Although EX-1 did not contain product upon initial sounding, free product was evident during purging activities. The free product recovery test in December 2005 removed what free product was contained in the PVC well casing. Since static groundwater level has remained above the top of screen for this well, product floating on the groundwater has not been able to enter the well.

HerSchy Environmental, Inc. previously recommended a second test of free product recovery using a Xitech or similar product pump be conducted when groundwater levels decline. Significant groundwater level fluctuation occurs seasonally in this region in response to changes in rainfall. According to the water level data gathered this quarter, water level had not yet dropped below the top of screen for EX-1. However, depth to water was close enough to the top of screen such that the test may likely be re-attempted within the next quarter.

Once product pumping has been successfully tested, recommendations can be made concerning ongoing product recovery as an interim remedial solution. At present the free product plume is not fully defined, and as a result the quantity of product cannot be determined. Off-site monitoring wells are intended to be installed near the site; however, permit issues and insurance requirements from the City of Oakland have significantly delayed this work.

Utility connections are expected from PG&E shortly so that a thermal oxidizer may be installed and operated on-site. In a recent communication, PG&E informed us that:

Engineering should be completed by the 3rd or 4th week of May. After engineering is completed I will prepare the contracts and provide you with the design sketch. Once signed contracts and payment has been received I will release the job to construction. Our normally [sic] timeframe to schedule our construction department is within 2 to 3 weeks once the job becomes releasable. If you have any questions or need additional information, please contact the undersigned at the letterhead address or at (559) 641-7320.

With best regards, HerSchy Environmental, Inc.

Millian J. akland

William E. Ackland Hydrogeologist

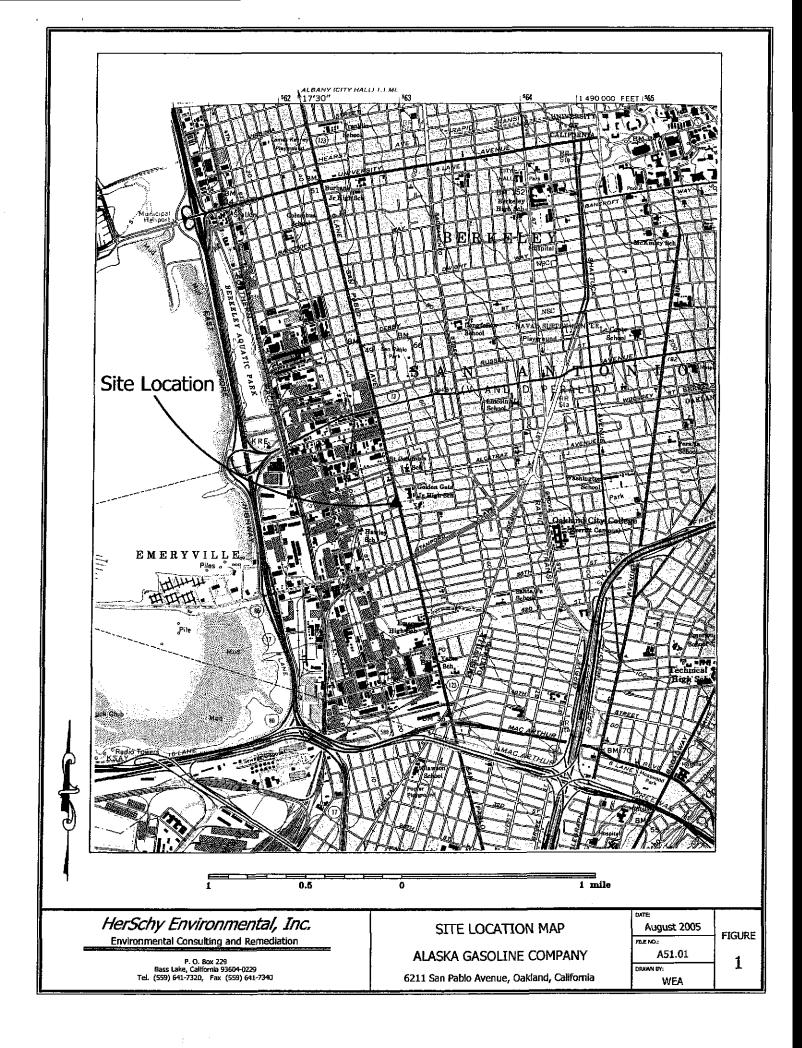


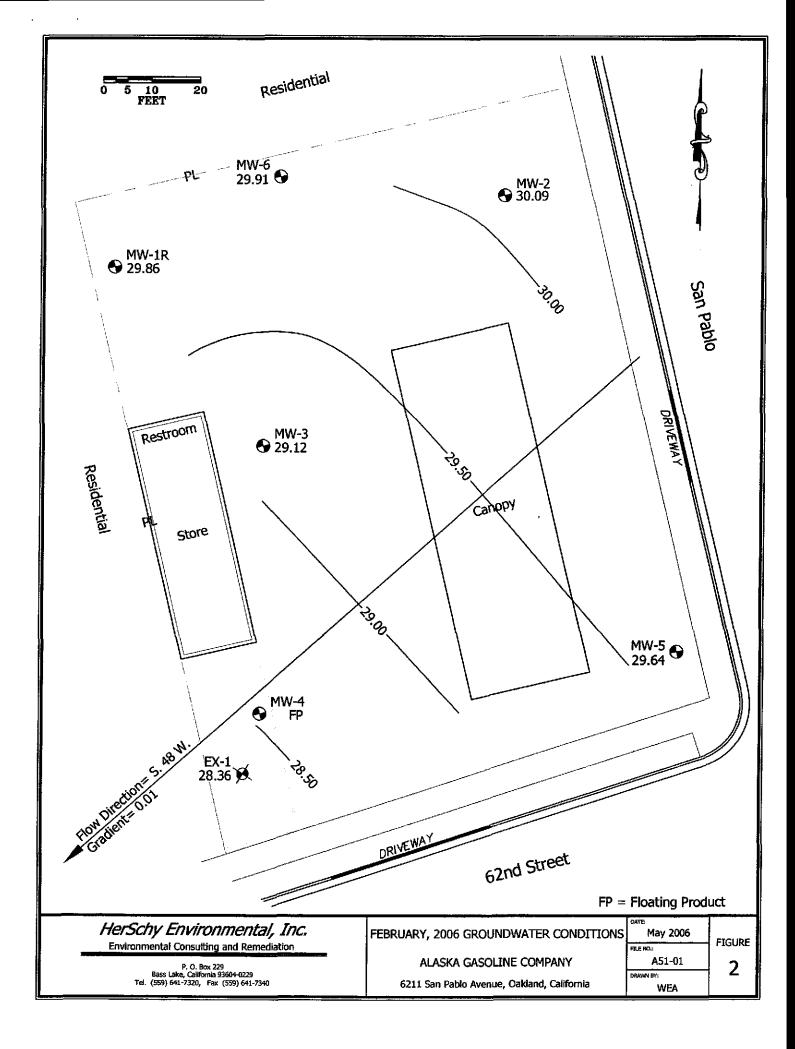
Scott Jackson

Professional Geologist #7948

pc: Mr. Pritpaul Sappal

Mr. Hernan Gomez, Oakland Fire Services Agency Mrs. Susan M. Torrence, Deputy District Attorney





APPENDIX A

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# GROUNDWATER FIELD

### SAMPLING DATA SHEETS

# HerSchy WATER SAMPLE FIELD DATA SHEET Environmental

| Client Name: <u>ALASKA GAS</u> Location: <u>OAKLAND</u>  |
|--|
| Purged By:   |
| Sample ID: <u>EX-1</u> Type: Groundwater <u>X</u> Surface Water Other  |
| Casing Diameter (inches): 2 3 4Y 5 6 Other   |
| Casing Elevation (feet/MSL): Volume in Casing (gal.):  |
| Depth of Well (feet): $30.00$ Calculate Purge Volume (gal.): $42.2$  |
| Depth to Water (feet): 4.92 Actual Purge Volume (gal.): 42.2+  |
| Date Purged: Date Sampled:   |
| TIME VOLUME PH E.C. TEMP. TURBIDITY  |
| 0930 / 6.93 360 64.8 CLOUDY<br>1003 422 6.83 669 66.6 CLOUDY   |
| 1003 42.2 6.83 669 66.6 Claudy   |
|  |
| Sheen Y/N?: YOdor: PETRULEUM   |
| Purging Equipment: PURGER ES-60  |
| Sampling Equipment:  |
| Remarks: AFTER PURGING 42+ GAL, HAVE EXTRACTED<br>3+ FEET OF PROPACT USING BAILER NOTE 3<br>BAILEN FULL OF PRODUCT |
| Sampler's Signature:   |
| /Water Sample Sheet.wpd  |

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| HerSchy       | WATER SA | MPLE FIELD | DATA SHEET |
|---------------|----------|------------|------------|
| Environmental |          |            |            |

| Client Name: _         | ALASKA                 | GAS    | Location:            | OAKLA          | ND   |
|------------------------|------------------------|--------|----------------------|----------------|--|
|                        | -                      |        | Sampled by           |                |  |
|                        |                        | •      | water <u>×</u> Surfa |                |  |
|                        |                        |        | _ 4 5                |                |  |
| Casing Elevatio        | n (feet/MSL):          | 36.67  | Volume in (          | Casing (gal.): | 2.7  |
| _                      | • • •                  |        | Calculate Purge Vo   |                |  |
| Depth to Water         |                        | _      | Actual Purge Volu    |                |  |
| Date Purged:           | 02-08-                 |        |                      |                | -06 1101   |
| TIME                   | VOLUME                 | pH     | E. C.                |                |  |
| 1051                   | 1                      | 6.35   | 529                  | 64.0           | CLOUDY   |
| 1059                   | 8.1                    | -      | 573                  | 64,6           | Cloupy   |
|                        |                        |        | - <u></u> .          | · .            |  |
|                        |                        |        |                      |                |  |
| Sheen Y/N?:            | $\mathcal{N}^{\prime}$ |        | Odor:                | PETROLE        | Um   |
| Purging Equipme        |                        |        |                      |                |  |
| Sampling Equipm        |                        |        |                      | · .            | <u>,</u> , <u>,.</u> |
| Remarks:               |                        |        | · · ·                |                |  |
|                        |                        |        |                      |                |  |
|                        |                        |        | . /                  |                |  |
| Sampler's Signati      | ıre:                   | Am X.1 | W. Best              |                |  |
| Water Sample Sheet wpd | 7                      |        |                      |                |  |
| -                      | /                      |        |                      |                |  |

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### HerSchy WATER SAMPLE FIELD DATA SHEET Environmental

| Client Name:          | ALASKA              | GAS            | Location: _                                   | OAKLE                                 | IND       |
|-----------------------|---------------------|----------------|---|---------------------------------------|-----------|
|                       | WEST                |                |   | We                                    |           |
| Sample ID:            | $MW^{-2}$           | Type: Ground   | water 🗡 Surfa                                 |                                       |           |
| Casing Diame          | ter (inches): 2 _   | <u>×</u> 3     | _ 4 5   | 6O                                    | ther      |
| Casing Elevati        | on (feet/MSL):      | 36.33          | Volume in C                                   | Lasing (gal.): _                      | 2.4       |
| Depth of Well         | (feet): <u>20</u> . | 90             | Calculate Purge Vo                            | lume (gal.):                          | 7.2       |
| Depth to Wate         | er (feet):          | 24             | Actual Purge Volun                            | ne (gal.):                            | 7,2+      |
| Date Purged:          | _02-08-0            | ¢.             | Date Sampled:                                 | 07-08-0                               | 0 té 1212 |
| TIME                  | VOLUME              | pH             | <b>E</b> . <b>C</b> .                         | TEMP.                                 | TURBIDITY |
| 1200                  |                     | 6,62           | 928   | 66.0                                  | Clausy    |
| 1209                  | 7.2                 | 6.60           | 938   | 68.9                                  | Cloury    |
|                       |                     |                | ·   |                                       |           |
|                       | · · · ·             |                | <u> </u>                                      | · · · · · · · · · · · · · · · · · · · |           |
| Sheen Y/N?: _         | N                   |                | Odor: 📃 😒                                     | IGHT P                                | ETRULEAM  |
| Purging Equipm        | nent:               | WATE           | RRA   | <u></u>                               |           |
| Sampling Equip        | nent:               | WATE           | RRA   | •.                                    |           |
|                       |                     |                |   |                                       |           |
|                       |                     |                |   |                                       |           |
| Sampler's Signa       | iture:              | lus S. 1       | lil east                                      |                                       | <u> </u>  |
| Water Sample Sheet wp | 7                   | <u>vr /J-1</u> | <u>, , , , , , , , , , , , , , , , , , , </u> |                                       |           |
|                       | (                   |                |   |                                       |           |

| Environmental           |                   |                                |                  | TA SHEET                               | •<br>•    |
|-------------------------|-------------------|--------------------------------|------------------|--|-----------|
| Client Name:            | ASKA (            | SAS                            | Location:        | OAKLA                                  | IND       |
| Purged By:              | JEST              |                                | Sampled b        | y:We                                   | ST        |
| Sample ID: <u>Mu</u>    | <u>1-3</u> Type:  | Groundwa                       | ater 🗡 Surf      | face Water                             | _ Other   |
| Casing Diameter (ind    | ches): 2 <u> </u> | _ 3                            | 4 5              | 6 Ot                                   | her       |
| Casing Elevation (fee   | et/MSL): 37       | 5,12                           | Volume in        | Casing (gal.):                         | 2.5       |
| Depth of Well (feet):   | 21.2              | 0Ca                            | alculate Purge V | olume (gal.):                          | 7.5       |
| Depth to Water (feet    |                   |                                | ctual Purge Volu | ıme (gal.):                            | 7.5       |
| Date Purged:            | 2-08-06           |                                | Date Sampled:    | 02-08                                  | -06 103   |
| TIME VO                 | LUME              | pH                             | E. C.            | TEMP.                                  | TURBIDITY |
| 1023 -                  | 1. 6              | . 89                           | 658              | 68.2                                   | CLOUD     |
|                         |                   |                                |                  | 67.8                                   |           |
|                         |                   |                                |                  |  |           |
| Sheen Y/N?:             | · .               |                                | Odor:            | PETROLEU                               | im        |
| Purging Equipment:      | <u> </u>          | ATERR                          | A                |  |           |
| Sampling Equipment:     | : / / ¥           | <u>ATERR</u><br>A <i>TE</i> RR | A                |  |           |
| Remarks:                |                   |                                |                  |  |           |
|                         |                   |                                |                  |  |           |
|                         |                   | <u> </u>                       |                  | ······································ |           |
| Sampler's Signature:    | ( olm             | S-M                            | 1, left          |  |           |
| /Water Sample Sheet.wpd | 7 ·               |                                |                  |  | •         |

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| HerSchy WATER SAMPLE F<br>Environmental   | IELD DATA SHEET                             |
|---|---|
| Client Name: <u>ALASKA GAS</u>  | Location: OAKLAND                           |
| Purged By: UEST   | Sampled by: WEST                            |
| Sample ID: $\underline{M} \overline{W} - \underline{4}$ Type: Groundwate  | er Surface Water Other                      |
| Casing Diameter (inches): 2 3 4   | 5 6 Other                                   |
| Casing Elevation (feet/MSL): $34.11$<br>Depth of Well (feet): $N/A$ Calc  | _ Volume in Casing (gal.)://A               |
| Depth to Water (feet): $N/H$ Actu   |   |
| Date Purged: I  | Date Sampled:                               |
| TIME VOLUME pH  | E.C. TEMP. TURBIDITY                        |
| - N/-   |   |
|   |   |
| ·  ·  · |   |
| Sheen Y/N?: C   | 0dor:                                       |
| Purging Equipment:  | <br>  |
| Sampling Equipment:   | · · ·                                       |
| Remarks: <u>FLOATING PRODUCE</u><br><u>MEASURED WITH TAPE</u><br><u>BAILER TU EXTRACT</u><br>Sampler's Signature: <u>OWN</u>  | UT 3'4"<br>MEASURE, USING AT<br>AMPLE<br>WA |
| /Water Sample Sheet.wpd   | · · · · · · · · · · · · · · · · · · ·       |

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| •             | WATER SAMPLE FIELD DATA SHEET |  |  |
|---------------|-------------------------------|--|--|
| Environmental |                               |  |  |

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| Client Name:          | ALASKA                                 | GAS                                   | Location: _                            | OAKLA                                 | ND                                    |
|-----------------------|--|---------------------------------------|--|---------------------------------------|---------------------------------------|
|                       |  |                                       | Sampled by                             |                                       |                                       |
|                       |  |                                       |  |                                       | _ Other                               |
| Casing Diame          | ter (inches): 2 _                      | × 3                                   | _ 4 5                                  | _ 6 O                                 | ther                                  |
| Casing Elevati        | on (feet/MSL):                         | 35,17                                 | Volume in (                            | Casing (gal.):                        | 7.2 3.2                               |
| Depth of Well         | (feet):2                               | 4.90 (                                | Calculate Purge Vo                     | lume (gal.):                          | 9.5                                   |
| Depth to Wate         | er (feet):                             |                                       | Actual Purge Volut                     |                                       | Car                                   |
| Date Purged:          | 02-08-1                                | 76                                    | Date Sampled:                          | 02-08-                                | 06 1239                               |
|                       | VOLUME                                 |                                       | E. C.                                  | TEMP.                                 |                                       |
| 1227                  |  | 6.83                                  | 818                                    | 68.9                                  | CLOUDY                                |
| 1236                  | 95                                     | 6.87                                  | 790                                    | 68.0                                  | CLOUDY                                |
|                       |  |                                       | <u> </u>                               |                                       |                                       |
| Sheen Y/N?: _         | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |                                       | <br>Odor:ρε                            | TROLEU                                | <br>M                                 |
|                       |  |                                       |  |                                       |                                       |
| Sampling Equip        | ment:                                  | INATA                                 | TR XR A                                | · · · · · · · · · · · · · · · · · · · |                                       |
|                       |  |                                       |  |                                       |                                       |
|                       |  | · · · · · · · · · · · · · · · · · · · | ······································ |                                       | · · · · · · · · · · · · · · · · · · · |
|                       |  |                                       |  | · · · · · · · · · · · · · · · · · · · |                                       |
| Sampler's Signa       | ture:                                  | stur S. 1                             | Webt                                   |                                       |                                       |
| Water Sample Sheet wp | d                                      |                                       |  |                                       |                                       |
|                       | /                                      |                                       |  |                                       |                                       |

# HerSchy WATER SAMPLE FIELD DATA SHEET Environmental

|                              | and the second se |                       | _ A . /. A       |           |
|------------------------------|---|-----------------------|------------------|-----------|
| Client Name: <u>ALASKA</u>   | GAS   | Location:             | OAKLE            | IND       |
| Purged By: UEST              |   | _ Sampled by          | : <u>We</u>      | ST        |
| Sample ID: <u>MW-6</u> 7     | Type: Groundwa  | ter 🗡 Surfa           | nce Water        | _ Other   |
| Casing Diameter (inches): 2  | ×3  | 4 5                   | 6 Ot             | :her      |
| Casing Elevation (feet/MSL): | 36.07   | Volume in (           | Casing (gal.): _ | 2.7       |
| Depth of Well (feet):3       | . <i>10</i> Ca  | lculate Purge Vo      | lume (gal.):     | 8,3       |
| Depth to Water (feet):6      | 16 Ac   | tual Purge Volu       | ne (gal.):       | 8.3+      |
| Date Purged: 02-08-0         | 6   | Date Sampled:         | 02-05            | 206 1153  |
| TIME VOLUME                  | pН  | <b>E</b> . <b>C</b> . | TEMP.            | TURBIDITY |
| 1142 /                       | 6.72  | 630                   | 65.7             | CLOUDY    |
| 1150 8.3                     | 6.82  | 632                   | 65.8             | Cloupy    |
|                              |   |                       |                  |           |
|                              | ······································  | Odor:                 | ETROLE           | 1 W       |
| Sheen Y/N?:                  |   |                       |                  |           |
| Purging Equipment:           | WATERR<br>WATERR  | 10-                   |                  | ·         |
| Sampling Equipment:          | WATERO  |                       |                  |           |
| Remarks:                     |   |                       |                  |           |
| Sampler's Signature:         | lus S.M   | let                   |                  |           |
| Water Sample Sheet, wpd      |   |                       |                  |           |

Location: 2333 Shuttle Drive, Bldg 908/909, Atwater, CA 95301

### Mailing Address: 2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930 - Fax: (209) 384-1507

|  | ALASKA            | <u> </u>        |  |  |               |                               |              |                       | RE         | QUE         | STE                  | ) ANA | <b>LYS</b> | ES   |      | - 1.8141<br>-                 |            | Method of Shipment:  |
|--|-------------------|-----------------|--|--|---------------|-------------------------------|--------------|-----------------------|------------|-------------|----------------------|-------|------------|------|------|-------------------------------|------------|--|
| Address:   |                   |                 |  |  | e a           | 2                             |              |                       |            |             |                      |       |            |      |      |                               | ŝ          | ·  |
| City/State/ZI  |                   | HND             |  |  | i) gr         | Ϋ́ |              |                       |            |             | 8260                 |       |            |      |      | L.                            | L H        | Notes:   |
| Phone / FAX  |                   |                 |  |  | TYPE (g) grab | LA S                          | - V          |                       |            | E           | 8<br>À               |       |            |      |      | Se Ce                         | CONTAINERS | NOICS.   |
| Proj # / P.O.  |                   |                 |  |  | Υ PE          |                               | - U<br>±     | ш                     | ESE        | 18.1        | Š                    | 0     |            |      |      | rabl                          |            |  |
| Report Atten   |                   | 11.             |  |  |               | d W d                         | E.           | MTBE                  | TPH-DIESEL | TRPH 418.1M | 8                    | 8260  |            |      |      | elive                         | Ъ          |  |
| Sampler Sig  |                   | Astri 1         | . Allar                                |  | SAMPLE TYPI   |                               | BTEX/TPH-GAS | 1                     | ļ₽         | TRP         |                      |       |            |      |      | 2                             | BER        |  |
| Print  | ted:              | JoH1            | 1 5. W                                 | £ 5 7 ·                                | AS S          | 2                             |              |                       |            |             | Oxy's / EDB / DCA by |       |            |      |      | Electronic Deliverables (EDF) | NUMBER     |  |
| Lab ID#  | SAMPLE ID         | DATE            | TIME                                   | DESCRIPTION/LOCATION                   |               |                               |              |                       |            |             |                      |       |            |      |      | ı<br>۳                        |            | OBSERVATIONS/REMARKS   |
|  | MURI              | 02.08           | 1101                                   |  | 6<br>1        | . 4                           | X            | $\mathbf{\mathbf{x}}$ |            |             | ×                    |       |            | -    |      |                               | 3          |  |
|  | MW-2              | 02-08           | 1212                                   |  |               | -                             | Ì            | 1                     |            | Γ           | į                    |       |            |      |      |                               | 1          |  |
|  | Mu1-3             | 02-08           | 1035                                   | · · · · · · · · · · · · · · · · · · ·  |               |                               |              |                       |            |             |                      |       |            |      |      |                               | 1          |  |
|  | mw-5              | 02-01           | 12 39                                  | ·                                      |               |                               |              |                       |            |             |                      |       |            |      |      |                               | , i        |  |
|  | mw 6              | 02-08           | 1153                                   |  |               |                               |              |                       |            |             |                      |       |            |      |      |                               | 1          |  |
|  |                   |                 |  |  |               |                               |              |                       |            |             |                      |       |            |      |      |                               |            |  |
|  |                   | <u> </u>        |  |  |               |                               |              |                       |            |             |                      |       |            |      |      |                               |            |  |
|  |                   |                 |  |  |               |                               |              |                       |            |             |                      |       |            |      |      |                               |            |  |
|  |                   |                 |  | · · · · · · · · · · · · · · · · · · ·  | _             |                               |              | <u> </u>              |            |             |                      |       |            |      |      |                               |            |  |
|  |                   |                 |  |  | _             |                               | ╢            |                       | <u> </u>   |             |                      |       |            |      |      |                               |            |  |
| <ul> <li>Local Agent (1998) and Article Article</li> <li>Scalar Article Articl</li></ul> |                   |                 |  | ······································ |               |                               | ╢            |                       |            | <u> </u>    |                      |       |            |      |      |                               |            |  |
|  |                   |                 |  | ······································ | -}            |                               | _╢           | <u> </u>              | <u> </u>   | 1           |                      |       |            |      | _    |                               |            |  |
|  |                   | <u> </u>        |  |  |               | <u> </u>                      |              | <b> </b>              | <b> </b>   |             | <u> </u>             |       |            |      |      |                               |            |  |
|  |                   |                 |  | 5.                                     |               |                               | _            |                       | <b> </b>   | ļ           |                      |       | _          |      |      |                               |            |  |
| na ann an Airtean Airte  |                   |                 |  |  |               | 18 231-5                      |              |                       |            |             | 45-11-11             |       | 2.289.5    |      |      |                               |            | Total number of sector to the literation                     |
|  | . Jadni K.1       | Signature       |  | Printed Name                           |               |                               | ate          | Ti                    | me         |             | ° (                  | Com   | рап        | y Na | me   |                               | 15         | Total number of containers submitted to<br>the laboratory    |
|  | <u>: Years a.</u> | I J HAR         |  | John S. West                           |               | 02                            | -05          |                       | _          |             | 110                  | :75   | C II       | Ύι   | END  |                               | No         | te: All special requests (e.g.                               |
| Received by:   | <u>/</u>          |                 |  |  |               | _                             |              |                       |            | L           |                      |       |            |      |      |                               | qui        | ck turn times) must be cleared<br>ough authorized laboratory |
| Relinquished by:   |                   | <u> </u>        |  |  | _             |                               |              | <u> </u>              |            | <b>_</b>    |                      |       |            |      |      |                               |            | sonnel .   |
| Received by:   | -/                |                 |  |  |               |                               |              |                       |            |             |                      |       |            |      |      |                               |            |  |
| Relinquished by:   |                   | $\underline{A}$ |  | <u></u>                                |               |                               | <u> </u>     |                       |            |             |                      |       |            |      |      |                               | RE         | SULTS DUE :  |
| Received by:   | Hada h            | April 14        | }                                      | <u>Varidia Ambri</u>                   | 7             | 2/5                           | 16           | 16                    | 10         | 12          | SH                   | 2 A   | n/.(       | i ti | ul t | a la                          |            |  |
| Į  |                   | <br>e           | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | 1                                      |               |                               |              |                       |            |             |                      |       |            | 1    |      |                               |            |  |

# CHAIN OF CUSTODY

PAGE\_\_\_\_\_OF\_\_\_\_

Certificate No. 2480

APPENDIX B

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### CERTIFIED ANALYTICAL REPORTS

WITH CHAIN-OF-CUSTODY

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| Environmental Testing Services<br>Certificate #2480 | 2333 Shuttle Drive, Atwater, CA 95301             | Phone: (209) 384-2930<br>Fax: (209) 384-1507 |
|---|---|--|
| HerSchy Environmental                               | Client Project ID: Alaska Gasoline - Oakland      | Sampled: 02-08-06                            |
| P.O. Box 229  | Reference Number: 8915                            | Received: 02-08-06                           |
| Bass Lake, CA 93604                                 | Sample Description: Water                         | Extracted: 02-10-06                          |
| Attn: William Ackland                               | Sample Prep/Analysis Method: EPA 5030/8015M, 8020 | Analyzed: 02-10-06                           |
|   | Lab Numbers: 8915-1W, 2W, 3W, 4W, 5W              | Reported: 02-17-06                           |

#### TOTAL PETROLEUM HYDROCARBONS - GASOLINE WITH BTEX DISTINCTION

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| ANALYTE  | REPORTING LIMIT<br>µg/L | SAMPLE ID<br>MW-R1<br>(µg/L) | SAMPLE ID<br>MW-2<br>(µg/L) | SAMPLE ID<br>MW-3<br>(µg/L) | SAMPLE ID<br>MW-5<br>(µg/L) | Sample ID<br>MW-6<br>(µg/L) |  |
|--|-------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--|
| MTBE   | 0.50                    | 1200                         | 3100                        | 410000                      | 0.97                        | 2300                        |  |
| BENZENE  | 0.50                    | 100                          | 1500                        | 3800                        | ND                          | 220                         |  |
| TOLUENE  | 0.50                    | 310                          | 7.6                         | 660                         | ND                          | 43                          |  |
| ETHYLBENZENE   | 0.50                    | 86                           | 660                         | ND                          | ND                          | 66                          |  |
| TOTAL XYLENES  | 0.50                    | 470                          | 380                         | 790                         | ND                          | 160                         |  |
| GASOLINE RANGE<br>HYDROCARBONS                                 | 50                      | 3300                         | 10000                       | 470000                      | 50                          | 3600                        |  |
| Report Limit Multiplication F<br>Report Limit Multiplication F |                         | 10<br>100                    | 20<br>200                   | 1000<br>20000               | 1                           | 10<br>100                   |  |

| Surrogate % Recovery: | FID: 106% / PID: 100% | £iD: 146% / PiD: 118% | F(D; 94.2% / P(D; 97.9% | FID: 98.5% / PID: 101% | FID: 101% / PID: 101% |  |
|-----------------------|-----------------------|-----------------------|-------------------------|------------------------|-----------------------|--|
| Instrument ID:        | VAR-GC1               | VAR-GC1               | VAR-GC1                 | VAR-GC1                | VAR-GC1               |  |

Analytes reported as ND were not detected or below the Practical Quantitation Limit Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

APPROVED BY:

Jamés C. Phillips / Laboratory Director or Clári J. Cone / Laboratory Manager

Environmental Testing Services Certificate # 2480 2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930 Fax: (209) 384-1507

HerSchy Environmental P.O. Box 229 Bass Lake, CA 93604 Attn: William Ackland Client Project ID: Alaska Gasoline - Oakland Reference Number: 8915 Sample Description: Water Analyst: Jim Phillips

Method: EPA 5030/8015M,8020 Instrument ID: Var-GC1 Extracted: 02-10-06 Analyzed: 02-10-06 Reported: 02-17-06

#### QUALITY CONTROL DATA REPORT

| ANALYTE                                 | Gasoline      | МТВЕ          | Benzene       | Toluene      | Ethyl Benzene | Total Xylenes |
|---|---------------|---------------|---------------|--------------|---------------|---------------|
| Spike Concentration:                    | 110           | 2.16          | 1.34          | 7.58         | 1.82          | 8.88          |
| Units:                                  | ug/L          | ug/L          | ug/L          | ug/L         | ug/L          | ug/L          |
| LCS Batch #:                            | VW-2106       | VW-2106       | VW-2106       | VW-2106      | VW-2106       | VW-2106       |
| LCS % Recovery:<br>Surrogate Recovery:  | 92.7%<br>104% | 97.7%<br>103% | 72.4%<br>103% | 106%<br>103% | 106%<br>103%  | 106%<br>103%  |
| Control Limits:                         | 70-130 %      | 70-130 %      | 70-130 %      | 70-130 %     | 70-130 %      | 70-130 %      |
| /IS/MSD Batch #;                        | VW-2106       | VW-2106       | VW-2106       | VW-2106      | VW-2106       | VW-2106       |
| Spike Concentration:                    | 110           | 2.16          | 1.34          | 7.58         | 1.82          | 8.88          |
| MS % Recovery:<br>Surrogate Recovery:   | 90.6%<br>103% | 66.2%<br>103% | 103%<br>103%  | 104%<br>103% | 105%<br>103%  | 105%<br>103%  |
| /ISD % Recovery:<br>Surrogate Recovery: | 92.6%<br>102% | 81.6%<br>101% | 98.6%<br>101% | 103%<br>101% | 105%<br>101%  | 104%<br>101%  |
| Relative % Difference:                  | 2.10%         | 15.6%         | 3.88%         | 0.441%       | 0.162%        | 0.855%        |
| /lethod Blank :<br>Surrogate Recovery:  | ND<br>95.5%   | ND<br>97.7%   | ND<br>97.7%   | ND<br>97.7%  | ND<br>97.7%   | ND<br>97.7%   |

The LCS (Laboratory Check Sample) is a control sample of known, interferent free matrix that is fortified with representative analytes and analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery is used for validation of sample batch results. Due to matrix effects, the QC limits and recoveries for MS/MSD's are advisory only and are not used to accept or reject batch results.

APPROVED BY:

Jame's C. Phillips / Laboratory Director or

Clafi J. Cone / Laboratory Manager

| Environmental Testing Services<br>Certificate #2480 | 2333 Shuttle Drive, Atwater, CA 95301        | Phone: (209) 384-2930<br>Fax: (209) 384-1507 |          |  |
|---|--|--|----------|--|
| HerSchy Environmental                               | Client Project ID: Alaska Gasoline - Oakland | <br>Sampled:                                 | 02-08-06 |  |
| P.O. Box 229  | Reference Number: 8915                       | Received:                                    | 02-08-06 |  |
| Bass Lake, CA 93604                                 | Sample Description: Water                    | Extracted:                                   | 02-10-06 |  |
| Attn: William Ackland                               | Sample Prep/Analysis Method: EPA 5030/8260   | Analyzed:                                    | 02-10-06 |  |
|   | Lab Numbers: 8915-1W, 2W, 3W, 4W, 5W         | Reported:                                    | 02-17-06 |  |

#### GASOLINE ADDITIVES BY EPA METHOD 8260 GC/MS

| ANALYTE   | REPORTING<br>LIMIT<br>(µg/L) | SAMPLE ID<br>MW-R1<br>(µg/L) | SAMPLE ID<br>MW-2<br>(µg/L) | SAMPLE ID<br>MW-3<br>(µg/L) | Sample ID<br>MW-5<br>(µg/L) | SAMPLE ID<br>MW-6<br>(µg/L) |
|---|------------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| FUEL OXYGENATES   |                              |                              |                             |                             |                             |                             |
| Methyl tert-Butyl Ether (MTBE)  | 0.50                         | 1400                         | 4300                        | 490000                      | 1.0                         | 2700                        |
| Di-isopropyl Ether (DIPE)   | 0.50                         | ND                           | ND                          | ND                          | ND                          | ND                          |
| Ethyl tert-Butyl Ether (ETBE)   | 0.50                         | ND                           | ND                          | ND                          | ND                          | ND                          |
| tert-Amyl Methyl Ether (TAME)   | 0.50                         | 130                          | 120                         | 26000                       | ND                          | 180                         |
| tert-Butanol (TBA)  | 20                           | 1400                         | 2800                        | 49000                       | ND                          | 7800                        |
| VOLATILE HALOCARBONS  |                              |                              |                             |                             |                             |                             |
| 1,2-Dichloroethane (1,2-DCA)  | 0.50                         | ND                           | ND                          | ND                          | ND                          | ND                          |
| Ethylene Dibromide (EDB)  | 0.50                         | ND                           | ND                          | ND                          | ND                          | ND                          |
| Report Limit Multiplication Factor:<br>Report Limit Multiplication Factor & | or MTBE:                     | 5*<br>100                    | 5*<br>1000                  | 2000*<br>20000              | 1                           | 10*<br>100                  |

\* Report limit raised due to matrix interference

| Surrogate Recoveries  |       |       |       |       |       |
|-----------------------|-------|-------|-------|-------|-------|
| 1,2-Dichloroethane-d4 | 93.3% | 96.8% | 105%  | 112%  | 102%  |
| Toluene-d8            | 93.8% | 95.2% | 95.0% | 99.6% | 99.8% |

Instrument ID: HP 5972 MS

Analytes reported as ND were not detected or below the Practical Quantitation Limit Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor  $(\mu g/L) =$  micrograms per liter or parts per billion (ppb)

APPROVED BY:

Jame's C. Phillips / Laboratory Director or Clari J. Cone / Laboratory Manager

Environmental Testing Services Certificate #2480

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2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930 Fax: (209) 384-1507

HerSchy Environmental P.O. Box 229 Bass Lake, CA 93604 Attn: William Ackland Client Project ID: Alaska Gasoline - Oakland Reference Number: 8915 Sample Description: Water

Analyst: Scott Foster

 Method:
 EPA 5030/8260

 Instrument ID:
 HP 5972 MS

 Prepared:
 02-09-06

 Analyzed:
 02-09-06

 Reported:
 02-17-06

#### QUALITY CONTROL DATA REPORT

#### SPIKE ID: VWMS-2106

|                              | Reporting | BLANK          | Spiking | Control | %R<br>Limits |
|------------------------------|-----------|----------------|---------|---------|--------------|
|                              | Limit     | Result<br>µg/L | Level   | Spike   |              |
|                              | µg/L      |                | μg/L    | %R      |              |
| COMPOUNDS                    |           |                |         |         |              |
| t-Butyl Alcohol (t-BA)       | 20        | ND             | 75.0    | 84.1%   | 57.6-163     |
| Methyl t-butyl ether (MTBE)  | 0.50      | ND             | 2.50    | 84.4%   | 64.7-134     |
| Diisopropyl ether (DIPE)     | 0.50      | ND             | 2.50    | 90.0%   | 58.2-135     |
| Ethyl t-Butyl ether (ETBE)   | 0.50      | ND             | 2.50    | 84.4%   | 65.0-132     |
| t-Amyl methyl ether (TAME)   | 0.50      | ND             | 2.50    | 84.8%   | 61.0-139     |
| 1,2-Dichloroethane (1,2-DCA) | 0.50      | ND             | 2.50    | 93.6%   | 70.1-145     |
| Ethylene dibromide (EDB)     | 0.50      | ND             | 2.50    | 90.0%   | 55.0-156     |
| Surrogates:                  |           |                |         |         |              |
| 1,2-Dichloroethane-d4        | 1.00      | 99.5%          | 10.0    | 97.7%   | 80.0-118     |
| Toluene-d8                   | 1.00      | 98.4%          | 10.0    | 98.0%   | 74.1-129     |

|                              | Spiking<br>Level | MATRIX<br>SPIKE<br>%R | MATRIX<br>SPIKE DUP<br>%R | %R<br>Limits | %RPD  |
|------------------------------|------------------|-----------------------|---------------------------|--------------|-------|
| COMPOUNDS                    | μg/L             | /0N                   | 7613                      |              |       |
| t-Butyl Alcohol (t-BA)       | 75.0             | 96.0%                 | 110%                      | 39.7-178     | 13.2% |
| Methyl t-butyl ether (MTBE)  | 2.50             | 92.0%                 | 106%                      | 55.3-144     | 10.3% |
| Diisopropyl ether (DIPE)     | 2.50             | 90.8%                 | 105%                      | 54.9-135     | 14.7% |
| Ethyl t-Butyl ether (ETBE)   | 2.50             | 91.6%                 | 102%                      | 54.0-136     | 11.1% |
| t-Amyl methyl ether (TAME)   | 2.50             | 81.6%                 | 95.2%                     | 39.6-131     | 13.9% |
| 1,2-Dichloroethane (1,2-DCA) | 2.50             | 94.0%                 | 104%                      | 73.9-147     | 10.5% |
| Ethylene dibromide (EDB)     | 2.50             | 93.6%                 | 103%                      | 63.3-141     | 9.76% |
| Surrogate:                   |                  |                       |                           |              |       |
| 1,2-Dichloroethane-d4        | 10.0             | 100%                  | 104%                      | 68.9-128     | 3.52% |
| Toluene-d8                   | 10.0             | 98,9%                 | 97.2%                     | 68.0-128     | 1.73% |

The LCS (Laboratory Check Sample) is a control sample of known, interferent free matrix that is fortified with representative analytes and analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery is used for validation of sample batch results. Due to matrix effects, the QC limits and recoveries for MS/MSD's are advisory only and are not used to accept or reject batch results.

APPROVED BY:

James C. Phillips / Laboratory Director or Çlari J. Cone / Laboratory Manager

### CHAIN OF CUSTODY

Location: 2333 Shuttle Drive, Bldg 908/909, Atwater, CA 95301 Mailing Address: 2333 Shuttle Drive, Atwater, CA 95301 Certificate No. 2480

PAGE\_1\_OF\_1

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Phone: (209) 384-2930 - Fax: (209) 384-1507

| Customer: ALITSICA GAS                   |               |             |      |                                       |   | T   |              |      | RE         | QUE         | JESTED ANALYSES           |              |     |     |       |                               |                    | Method of Shipment:   |  |
|--|---------------|-------------|------|---------------------------------------|---|---|--------------|------|------------|-------------|---------------------------|--------------|-----|-----|-------|-------------------------------|--------------------|---|--|
| Address:                                 |               |             |      |                                       |   | 5   |              |      |            |             |                           |              |     |     |       | Ţ                             | RS I               |   |  |
| City/State/ZIP: OAKUAND                  |               |             |      |                                       |   | SAMPLE MATRIX<br>(s) solid (i) liquid (o) other |              |      |            |             | :260                      |              |     |     |       |                               | CONTAINERS         | Notes:  |  |
| Phone / FAX:                             |               |             |      |                                       |   | d (o)   | AS           |      | _          | W           | βΛ                        |              |     |     |       | es (                          | NTA                | 140163.   |  |
| Proj # / P.O. #:                         |               |             |      |                                       |   |   | E S          | ж.   | TPH-DIESEL | IRPH 418.1M | PCA                       | g            |     |     |       | erabl                         | 8                  |   |  |
| Report Attention: BILL                   |               |             |      |                                       |   | ₩Ę  | 5            | MTBE | Ю-н        | PH 4        | B/1                       | 8260         |     |     |       | elí ve                        | Ъ                  |   |  |
| Sampler Signature: John L. M. Al         |               |             |      |                                       |   | soli  | BTEX/TPH-GAS |      | TP         | TRI         | 1 ED                      |              |     |     |       | nic D                         | NUMBER             |   |  |
| Printed: JOHN 3. WEST                    |               |             |      |                                       |   | (S)   |              |      |            |             | Oxy's / EDB / DCA by 8260 |              |     |     |       | Electronic Deliverables (EDF) | Ŋ                  |   |  |
| Lab ID#                                  | SAMPLE ID     | DATE        | TIME | DESCRIPTION/LOCATION                  |   |   |              |      |            |             |                           |              |     |     |       | ū                             |                    | OBSERVATIONS/REMARKS  |  |
| 8915-W                                   | MWRI          | 02-08       | 1/01 |                                       | C | 2   | X            | X    |            |             | ×                         |              |     |     |       |                               | 3                  |   |  |
| -210                                     |               | 0208        | 1212 |                                       |   | 1   | 1            | i    |            |             | 1                         |              |     |     | ···   |                               | Γ                  |   |  |
| - 3w                                     | $m\omega - 3$ | 02-08       | 1035 |                                       |   |   |              |      |            |             |                           |              |     |     |       |                               | $\  \mathbf{T} \ $ |   |  |
| -Aw                                      | mw-5          | 02-08       | 1239 |                                       |   |   |              | Π    |            |             | T                         |              |     |     |       |                               |                    |   |  |
| -5W                                      | mw-6          | 02-08       | 1153 |                                       |   |   |              |      |            | -           |                           |              |     |     |       |                               | ╟╋                 |   |  |
|  |               |             |      | ·····                                 |   |   |              |      |            |             | _                         |              |     |     |       |                               |                    |   |  |
|  |               |             |      |                                       |   |   |              |      |            |             |                           |              |     |     |       |                               | ╟──                |   |  |
|  |               |             |      |                                       |   |   |              |      |            |             |                           |              |     |     |       |                               | ╟──                |   |  |
|  |               |             |      |                                       |   |   |              |      |            |             |                           |              | -1  |     |       | +                             | ╟──                |   |  |
|  |               |             |      |                                       |   |   |              |      |            |             |                           |              |     |     |       | -                             |                    |   |  |
|  |               |             |      |                                       | 1 |   |              |      |            |             |                           |              |     |     |       |                               |                    |   |  |
|  |               | · · · · · · |      |                                       |   |   |              |      |            |             |                           |              |     |     |       | +                             | ╟──                |   |  |
|  |               |             |      | · · · · · · · · · · · · · · · · · · · |   |   |              |      |            |             |                           | ┝╌┼          |     |     |       | +                             | ╟──                |   |  |
|  |               |             |      |                                       | - | <u> </u>  |              |      |            |             |                           | ┝╼╾┥         |     |     |       | +                             | ∦                  |   |  |
|  |               |             |      |                                       |   |   |              |      |            |             |                           |              |     |     |       |                               | ╟──                |   |  |
|  |               | Ciapatin    |      |                                       |   |   | FL           |      |            |             | 1                         |              |     |     |       |                               | 15                 | Total number of containers submitted to                               |  |
| Relinquished by: Qalin S. W. S. West     |               |             |      |                                       |   | Date  |              |      |            |             |                           | Company Name |     |     |       |                               |                    |   |  |
|  |               |             |      |                                       |   | 02  | 00           | 00   |            |             | HERSCHY ENV               |              |     |     |       |                               |                    | Note: All special requests (e.g.<br>quick turn times) must be cleared |  |
| Received by:                             |               |             |      |                                       |   | <b> </b>  |              |      |            |             |                           |              |     |     |       |                               |                    | rough authorized laboratory   |  |
| Relinquished by:                         |               |             |      |                                       |   |   |              |      |            |             |                           |              |     |     |       |                               | pe                 | rsonnel   |  |
| Received by:                             |               | <u> </u>    |      |                                       |   | ļ   |              |      |            |             |                           |              | ∥   |     |       |                               |                    |   |  |
| Relinquished by                          |               |             |      |                                       |   |   |              | L    |            | <u>_</u>    |                           |              |     |     |       | <u> </u>                      | RE                 | SULTS DUE :   |  |
| Received by: Hudia Ambrin Kuridia Ambriz |               |             |      |                                       |   | 480   | 26           | 161  | 0          | Ua          | <u>SH</u>                 | <u>e A</u>   | nal | 4/1 | cal i | ab                            | L                  | VERBAL WRITTEN  |  |
| - f                                      |               | ~.          |      | 1                                     |   |   |              |      |            |             |                           |              |     |     |       |                               |                    |   |  |