



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

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January 16, 2014

Re: December 2013 Groundwater Monitoring Data for Whidbey Marine & Auto Supply  
Cleanup Site

The Washington State Department of Ecology (Ecology) has received the enclosed data from laboratory tests of groundwater samples and water levels collected December 18-20, 2013, for the Whidbey Marine & Auto Supply cleanup site in Freeland, WA.

This is part of an ongoing investigation and cleanup effort in response to a 2005 underground gasoline tank leak at Whidbey Marine & Auto Supply. The cleanup is conducted by the former property owner under Ecology's Voluntary Cleanup Program. The gasoline contamination has migrated to a deep aquifer approximately 100 feet below the ground surface. Following the 2012 discovery of elevated levels of gasoline contamination in this aquifer, the Freeland Water and Sewer District, Island County Environmental Health and Washington State Department of Health have closely monitored groundwater conditions and worked with Ecology and the former property owner to determine next steps.

The primary concern at this time is to verify and ensure that the contamination has not and will not reach any of Freeland's drinking water wells, private or municipal. This new set of data (attached) is from 13 monitoring wells, four of which were added in December 2013:

- Six wells are in a shallow aquifer approximately 60 feet below ground surface.
- Seven wells are in the deep aquifer approximately 100 feet below ground surface.

Sampling results show there is petroleum contamination above state drinking water standards (Model Toxics Control Act Method A cleanup levels) in four of the shallow monitoring wells and three of the deep monitoring wells. Monitoring well MW-9, one of the deep wells, was not sampled because gasoline has been intermittently collecting on the surface of the water. An absorbent sock is being used to soak up the gasoline. Ecology will continue to interpret and evaluate these results.

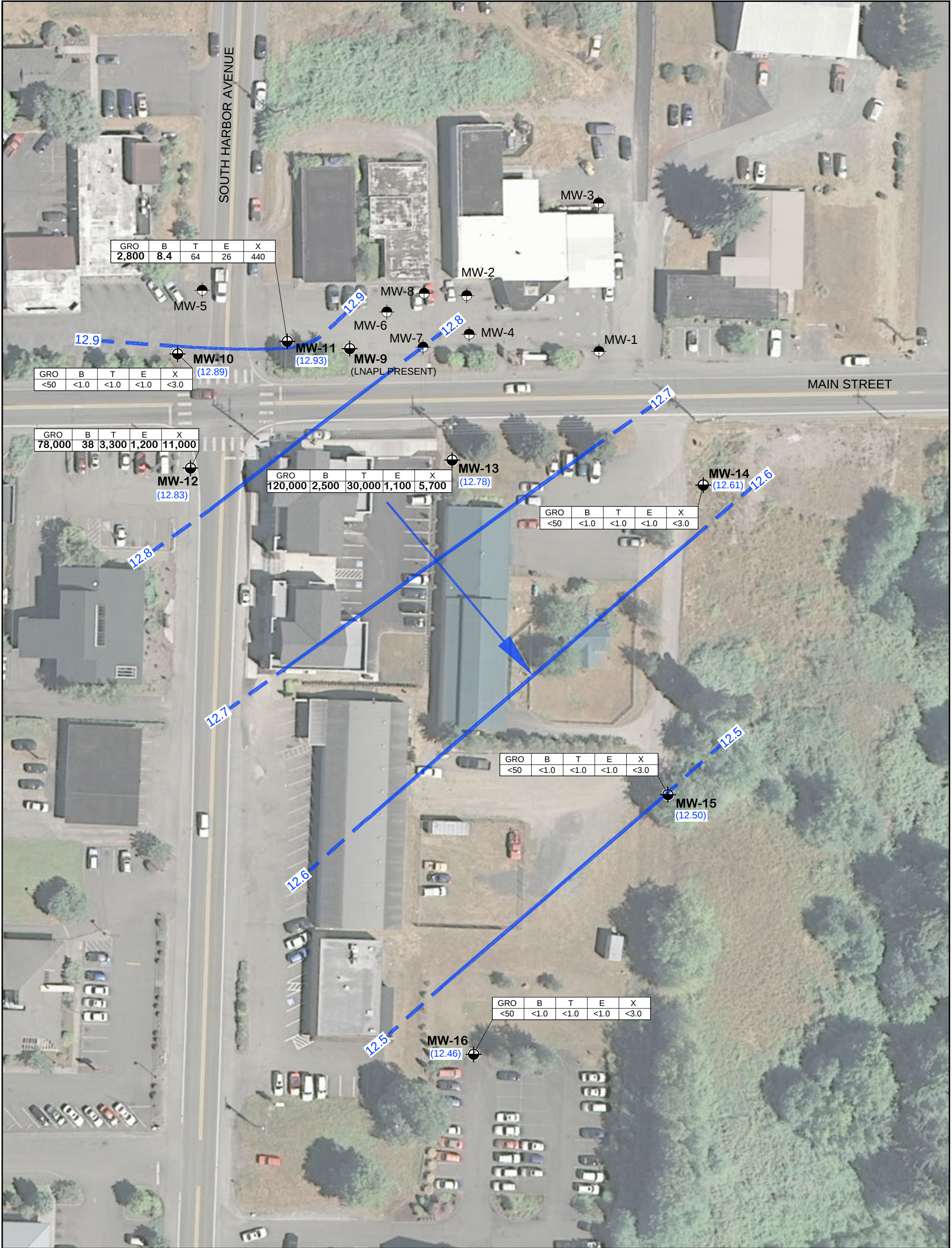
The four new deep wells tapped into an aquifer located 100 feet below ground. Petroleum contamination was detected in only one of these wells, which is located directly across Main Street from the former store. The three with no detected contamination are 100 or more yards to the south and southeast, in the direction of the Freeland Water District wells.

The petroleum hydrocarbon chemicals associated with the former service station are diesel-range, oil-range and gasoline-range. Benzene, toluene, ethylbenzene and xylenes are chemicals associated with gasoline and were also detected in groundwater samples above state cleanup standards in all wells in which gasoline was above cleanup standards.

It will take more time to fully interpret these results. Additional evaluation will follow and Ecology will continue to work with Freeland Water and Sewer District, Island County Environmental Health and Department of Health to determine next steps.



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**LEGEND**

- PERCHED ZONE MONITORING WELL
- SEA LEVEL AQUIFER MONITORING WELL
- (12.50) GROUNDWATER ELEVATION FEET ABOVE MEAN SEA LEVEL
- 12.7 GROUNDWATER ELEVATION CONTOUR
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW

ALL GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER

GRO = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE-RANGE ORGANICS

B = BENZENE

T = TOLUENE

E = ETHYLBENZENE

X = TOTAL XYLENES

**BOLD** = INDICATES CONCENTRATIONS EXCEED WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION METHOD A CLEANUP LEVELS

< = INDICATES CONCENTRATIONS NOT DETECTED ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT

DRAFT





**FARALLON CONSULTING**  
975 5th Avenue Northwest  
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**FIGURE 1**  
AERIAL PHOTOGRAPH SHOWING DECEMBER 2013  
GROUNDWATER ELEVATION CONTOURS AND  
GRO/BTEX CONCENTRATIONS IN GROUNDWATER  
SEA LEVEL AQUIFER  
WHIDBEY MARINE & AUTO SUPPLY SITE  
FREELAND, WA

FARALLON PN: 454-001

|              |               |             |                       |
|--------------|---------------|-------------|-----------------------|
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**Table 2** *DRAFT - Issued for Agency Review*  
**Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater Samples**  
**Whidbey Marine & Auto Supply**  
**Freeland, Washington**  
**Farallon PN: 454-001**

| Sample Location                                           | Groundwater Zone | Sample Identification | Sample Date | Analytical Results (micrograms per liter) |                  |                  |                      |                      |                            |                      |
|-----------------------------------------------------------|------------------|-----------------------|-------------|-------------------------------------------|------------------|------------------|----------------------|----------------------|----------------------------|----------------------|
|                                                           |                  |                       |             | DRO <sup>1</sup>                          | ORO <sup>1</sup> | GRO <sup>2</sup> | Benzene <sup>3</sup> | Toluene <sup>3</sup> | Ethyl-benzene <sup>3</sup> | Xylenes <sup>3</sup> |
| MW-1                                                      | Perched Zone     | MW1-120505            | 12/5/05     | -                                         | -                | 4,200            | 480                  | 770                  | 65                         | 318                  |
|                                                           |                  | MW1-060706            | 6/7/06      | -                                         | -                | 5,800            | 500                  | 1,000                | 70                         | 780                  |
|                                                           |                  | MW-1-100906           | 10/9/06     | -                                         | -                | 17,000           | 2,400                | 3,800                | 270                        | 2,200                |
|                                                           |                  | MW1-010907            | 1/9/07      | -                                         | -                | 1,500            | 14                   | 6                    | 11                         | 120                  |
|                                                           |                  | QA/QC-010907          | 1/9/07      | -                                         | -                | 1,500            | 11                   | 6                    | 10                         | 110                  |
|                                                           |                  | MW1-032707            | 3/27/07     | -                                         | -                | 290              | 1                    | 1                    | <1                         | 17                   |
|                                                           |                  | QA/QC-032707          | 3/27/07     | -                                         | -                | 320              | 1                    | <1                   | <1                         | 19                   |
|                                                           |                  | MW1-061907            | 6/19/07     | -                                         | -                | 73               | <1                   | <1                   | <1                         | <3                   |
|                                                           |                  | MW1-120707            | 12/7/07     | -                                         | -                | 110              | <1                   | <1                   | <1                         | <3                   |
|                                                           |                  | MW1-041808            | 4/18/08     | -                                         | -                | 74               | <1                   | <1                   | <1                         | <3                   |
|                                                           |                  | MW1-090908            | 9/9/08      | -                                         | -                | 68               | <1                   | <1                   | <1                         | <3                   |
|                                                           |                  | MW1-051409            | 5/14/09     | -                                         | -                | <50              | <1                   | <1                   | <1                         | <3                   |
|                                                           |                  | MW1-021110            | 2/11/10     | -                                         | -                | <50              | <1                   | <1                   | <1                         | <3                   |
|                                                           |                  | MW1-102110            | 10/21/10    | -                                         | -                | <50              | <1                   | <1                   | <1                         | <3                   |
|                                                           |                  | MW1-051811            | 5/18/11     | -                                         | -                | <50              | <1                   | <1                   | <1                         | <3                   |
|                                                           |                  | MW-1-111711           | 11/17/11    | -                                         | -                | <50              | <1.0                 | <1.0                 | <1.0                       | <3.0                 |
|                                                           |                  | MW-1-051512           | 5/15/12     | -                                         | -                | <50              | <1.0                 | <1.0                 | <1.0                       | <3.0                 |
|                                                           |                  | MW-1-121913           | 12/19/13    | <130                                      | <250             | <50              | <1.0                 | <1.0                 | <1.0                       | <3.0                 |
| MW-2                                                      | Perched Zone     | MW2-120505            | 12/5/05     | -                                         | -                | 570              | 110                  | 110                  | 2.8                        | 50                   |
|                                                           |                  | MW2-060706            | 6/7/06      | -                                         | -                | 2,800            | 440                  | 540                  | 15                         | 430                  |
|                                                           |                  | MW2-100906            | 10/9/06     | -                                         | -                | 370              | 20                   | 44                   | 1                          | 77                   |
|                                                           |                  | MW2-010907            | 1/9/07      | -                                         | -                | 730              | 35                   | 69                   | 11                         | 150                  |
|                                                           |                  | MW2-032707            | 3/27/07     | -                                         | -                | 610              | 6                    | 9                    | <1                         | 150                  |
|                                                           |                  | MW2-061907            | 6/19/07     | -                                         | -                | 1,000            | 17                   | 52                   | 22                         | 200                  |
|                                                           |                  | MW2-120707            | 12/7/07     | -                                         | -                | 2,300            | 7                    | 310                  | 36                         | 270                  |
|                                                           |                  | MW2-041808            | 4/18/08     | -                                         | -                | 3,700            | <1                   | 57                   | 33                         | 890                  |
|                                                           |                  | MW2-090908            | 9/9/08      | -                                         | -                | 20,000           | <50                  | 3,100                | 470                        | 4,200                |
|                                                           |                  | MW2-051309            | 5/13/09     | -                                         | -                | 4,300            | <5                   | 380                  | 130                        | 1,100                |
|                                                           |                  | MW2-021110            | 2/11/10     | -                                         | -                | 15,000           | <10                  | 160                  | 590                        | 3,800                |
|                                                           |                  | MW2-102210            | 10/22/10    | -                                         | -                | 12,000           | 50                   | 15                   | 420                        | 2,400                |
|                                                           |                  | MW2-032111            | 3/21/11     | -                                         | -                | 7,000            | <10                  | 1.9                  | 31                         | 1,400                |
|                                                           |                  | MW-2-111711           | 11/17/11    | -                                         | -                | 130              | <1.0                 | 1.5                  | 1.3                        | 10                   |
|                                                           |                  | MW-2-051512           | 5/15/12     | -                                         | -                | 210              | 1.9                  | <1.0                 | 1.1                        | 13                   |
|                                                           |                  | MW-2-121913           | 12/19/13    | 5,400                                     | 11,000           | 82               | <1.0                 | <1.0                 | <1.0                       | <3.0                 |
| MW-3                                                      | Perched Zone     | MW3-120505            | 12/5/05     | -                                         | -                | <100             | <1.0                 | <1.0                 | <1.0                       | <2.0                 |
|                                                           |                  | FD-120505             | 12/5/05     | -                                         | -                | <100             | <1.0                 | <1.0                 | <1.0                       | <2.0                 |
|                                                           |                  | MW3-060706            | 6/7/06      | -                                         | -                | <50              | <1                   | <1                   | <1                         | <3                   |
|                                                           |                  | MW3-100906            | 10/9/06     | -                                         | -                | <50              | <1                   | <1                   | <1                         | <3                   |
|                                                           |                  | MW3-010907            | 1/9/07      | -                                         | -                | <50              | <1                   | <1                   | <1                         | <3                   |
| MTCA Method A Cleanup Levels for Groundwater <sup>6</sup> |                  |                       |             | 500                                       | 500              | 800              | 5                    | 1,000                | 700                        | 1,000                |

**Table 2** *DRAFT - Issued for Agency Review*  
**Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater Samples**  
**Whidbey Marine & Auto Supply**  
**Freeland, Washington**  
**Farallon PN: 454-001**

| Sample Location                                           | Groundwater Zone | Sample Identification | Sample Date | Analytical Results (micrograms per liter) |                  |                  |                      |                      |                            |                      |
|-----------------------------------------------------------|------------------|-----------------------|-------------|-------------------------------------------|------------------|------------------|----------------------|----------------------|----------------------------|----------------------|
|                                                           |                  |                       |             | DRO <sup>1</sup>                          | ORO <sup>1</sup> | GRO <sup>2</sup> | Benzene <sup>3</sup> | Toluene <sup>3</sup> | Ethyl-benzene <sup>3</sup> | Xylenes <sup>3</sup> |
| MW-3                                                      | Perched Zone     | MW3-032707            | 3/27/07     | -                                         | -                | <50              | <1                   | <1                   | <1                         | <3                   |
|                                                           |                  | MW3-061907            | 6/19/07     | -                                         | -                | <50              | <1                   | <1                   | <1                         | <3                   |
|                                                           |                  | QA/QC-061907          | 6/19/07     | -                                         | -                | <50              | <1                   | <1                   | <1                         | <3                   |
|                                                           |                  | MW3-120707            | 12/7/07     | -                                         | -                | <50              | <1                   | <1                   | <1                         | <3                   |
|                                                           |                  | MW3-041808            | 4/18/08     | -                                         | -                | <50              | <1                   | <1                   | <1                         | <3                   |
|                                                           |                  | MW3-090908            | 9/9/08      | -                                         | -                | <50              | <1                   | <1                   | <1                         | <3                   |
|                                                           |                  | MW3-051409            | 5/14/09     | -                                         | -                | <50              | <1                   | <1                   | <1                         | <3                   |
|                                                           |                  | MW3-021110            | 2/11/10     | -                                         | -                | <50              | <1                   | <1                   | <1                         | <3                   |
|                                                           |                  | MW3-102110            | 10/21/10    | -                                         | -                | <50              | <1                   | <1                   | <1                         | <3                   |
|                                                           |                  | MW3-051811            | 5/18/11     | -                                         | -                | <50              | <1                   | 1.1                  | <1                         | <3                   |
|                                                           |                  | MW-3-111711           | 11/17/11    | -                                         | -                | <50              | <1.0                 | <1                   | <1.0                       | <3.0                 |
|                                                           |                  | MW-3-051512           | 5/15/12     | -                                         | -                | <50              | <1.0                 | <1                   | <1.0                       | <3.0                 |
| MW-3-121913                                               | 12/19/13         | <130                  | <250        | <50                                       | <1.0             | <1.0             | <1.0                 | <3.0                 |                            |                      |
| MW-4                                                      | Perched Zone     | MW4-032707            | 3/27/07     | -                                         | -                | 99,000           | 31,000               | 32,000               | 970                        | 6,000                |
|                                                           |                  | MW4-061907            | 6/19/07     | -                                         | -                | 110,000          | 22,000               | 36,000               | 1,600                      | 8,200                |
|                                                           |                  | MW4-120707            | 12/7/07     | -                                         | -                | 39,000           | 7,600                | 12,000               | 300                        | 2,400                |
|                                                           |                  | QA/QC-120707          | 12/7/07     | -                                         | -                | 60,000           | 9,500                | 18,000               | 710                        | 4,700                |
|                                                           |                  | MW4-041808            | 4/18/08     | -                                         | -                | 140,000          | 530                  | 42,000               | 1,600                      | 9,400                |
|                                                           |                  | MW4-090908            | 9/9/08      | -                                         | -                | 120,000          | 150                  | 40,000               | 2,000                      | 11,000               |
|                                                           |                  | QA/QC-1-090908        | 9/9/08      | -                                         | -                | 120,000          | 150                  | 43,000               | 1,900                      | 11,000               |
|                                                           |                  | MW4-051409            | 5/14/09     | 680 <sup>4</sup>                          | <250             | 83,000           | <50                  | 30,000               | 1,100                      | 6,600                |
|                                                           |                  | MW4-021110            | 2/11/10     | -                                         | -                | 71,000           | <50                  | 20,000               | 940                        | 5,900                |
|                                                           |                  | MW4-102110            | 10/21/10    | -                                         | -                | 32,000           | <10                  | 4,200                | 1,100                      | 6,600                |
|                                                           |                  | MW4-032111            | 3/21/11     | -                                         | -                | 32,000           | <10                  | 160                  | 870                        | 6,900                |
|                                                           |                  | MW4-051811            | 5/18/11     | -                                         | -                | 33,000           | <10                  | 550                  | 840                        | 6,700                |
|                                                           |                  | MW-4-111811           | 11/18/11    | -                                         | -                | 2,300            | <5.0                 | 20                   | 110                        | 610                  |
|                                                           |                  | MW-4-051612           | 5/16/12     | -                                         | -                | 5,200            | <10                  | 12                   | 77                         | 1,500                |
| MW-4-121913                                               | 12/19/13         | <630 <sup>5</sup>     | <250        | 41,000                                    | <25              | <25              | 280                  | 11,000               |                            |                      |
| MW-6                                                      | Perched Zone     | MW6-041708            | 4/18/08     | -                                         | -                | 23,000           | 260                  | 1,500                | 530                        | 3,600                |
|                                                           |                  | MW6-090908            | 9/9/08      | -                                         | -                | 42,000           | 450                  | 8,500                | 1,300                      | 7,800                |
|                                                           |                  | MW6-051409            | 5/14/09     | -                                         | -                | 17,000           | 29                   | 3,200                | 250                        | 3,100                |
|                                                           |                  | MW6-021110            | 2/11/10     | -                                         | -                | 89,000           | <100                 | 16,000               | 1,800                      | 14,000               |
|                                                           |                  | MW6-102210            | 10/22/10    | -                                         | -                | 39,000           | <10                  | 1,800                | 1,200                      | 7,800                |
|                                                           |                  | MW6-032111            | 3/21/11     | -                                         | -                | 37,000           | <20                  | 350                  | 650                        | 9,200                |
|                                                           |                  | MW6-051811            | 5/18/11     | -                                         | -                | 49,000           | <25                  | 270                  | 690                        | 11,000               |
|                                                           |                  | MW-6-111711           | 11/17/11    | -                                         | -                | 22,000           | <20                  | 1,200                | 520                        | 5,400                |
|                                                           |                  | MW-6-051512           | 5/15/12     | -                                         | -                | 17,000           | <20                  | 220                  | 210                        | 3,700                |
| MW-6-121913                                               | 12/19/13         | <250 <sup>5</sup>     | <250        | 8,900                                     | <5.0             | <5.0             | 120                  | 1,700                |                            |                      |
| MW-7                                                      | Perched Zone     | MW7-041808            | 4/18/08     | -                                         | -                | 54,000           | 13,000               | 17,000               | 420                        | 3,700                |
|                                                           |                  | MW7-051409            | 5/14/09     | -                                         | -                | 13,000           | 2,500                | 3,700                | 180                        | 1,700                |
| MTCA Method A Cleanup Levels for Groundwater <sup>6</sup> |                  |                       |             | 500                                       | 500              | 800              | 5                    | 1,000                | 700                        | 1,000                |

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**Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater Samples**  
**Whidbey Marine & Auto Supply**  
**Freeland, Washington**  
**Farallon PN: 454-001**

| Sample Location                                           | Groundwater Zone  | Sample Identification | Sample Date | Analytical Results (micrograms per liter) |                  |                  |                      |                      |                            |                      |
|-----------------------------------------------------------|-------------------|-----------------------|-------------|-------------------------------------------|------------------|------------------|----------------------|----------------------|----------------------------|----------------------|
|                                                           |                   |                       |             | DRO <sup>1</sup>                          | ORO <sup>1</sup> | GRO <sup>2</sup> | Benzene <sup>3</sup> | Toluene <sup>3</sup> | Ethyl-benzene <sup>3</sup> | Xylenes <sup>3</sup> |
| MW-8                                                      | Perched Zone      | MW8-041808            | 4/18/08     | -                                         | -                | 5,400            | <1                   | 57                   | 57                         | 890                  |
|                                                           |                   | QA/QC-1-041808        | 4/18/08     | -                                         | -                | 5,600            | <1                   | 42                   | 55                         | 930                  |
|                                                           |                   | MW8-090908            | 9/9/08      | -                                         | -                | 34,000           | <50                  | 3,500                | 670                        | 6,700                |
|                                                           |                   | MW8-051309            | 5/13/09     | -                                         | -                | 60,000           | <50                  | 9,000                | 1,800                      | 9,500                |
|                                                           |                   | QA/QC-051309          | 5/13/09     | -                                         | -                | 57,000           | <50                  | 8,900                | 1,700                      | 9,400                |
|                                                           |                   | MW8-021110            | 2/11/10     | -                                         | -                | 54,000           | <50                  | 3,900                | 2,000                      | 12,000               |
|                                                           |                   | MW8-102210            | 10/22/10    | -                                         | -                | 58,000           | <10                  | 770                  | 2,200                      | 15,000               |
|                                                           |                   | MW8-032111            | 3/21/11     | -                                         | -                | 17,000           | <10                  | <10                  | 600                        | 2,900                |
|                                                           |                   | MW8-051811            | 5/18/11     | -                                         | -                | 2,900            | <1                   | 2.3                  | 23                         | 320                  |
|                                                           |                   | MW-8-111711           | 11/17/11    | -                                         | -                | 47,000           | <50                  | <50                  | 1,200                      | 12,000               |
|                                                           |                   | DUP-1-111711          | 11/17/11    | -                                         | -                | 47,000           | <50                  | <50                  | 1,200                      | 12,000               |
|                                                           |                   | MW-8-051512           | 5/15/12     | -                                         | -                | 46,000           | <50                  | <50                  | 930                        | 10,000               |
|                                                           |                   | DUP-1-051512          | 5/15/12     | -                                         | -                | 42,000           | <50                  | <50                  | 900                        | 9,700                |
| MW-8-121913                                               | 12/19/13          | <630 <sup>5</sup>     | <250        | 24,000                                    | <25              | <25              | 150                  | 4,200                |                            |                      |
| MW-9                                                      | Sea Level Aquifer | MW9-051309            | 5/13/09     | 800 <sup>4</sup>                          | <250             | 94,000           | 18,000               | 32,000               | 1,500                      | 7,600                |
|                                                           |                   | MW9-021010            | 2/10/10     | -                                         | -                | 32,000           | 10,000               | 9,800                | 390                        | 1,800                |
|                                                           |                   | MW9-102210            | 10/22/10    | -                                         | -                | 160,000          | 15,000               | 42,000               | 2,700                      | 14,000               |
|                                                           |                   | MW9-032111            | 3/21/11     | -                                         | -                | 260,000          | 13,000               | 55,000               | 5,300                      | 27,000               |
|                                                           |                   | MW9-051811            | 5/18/11     | -                                         | -                | 230,000          | 18,000               | 55,000               | 4,000                      | 21,000               |
|                                                           |                   | MW-9-111811           | 11/18/11    | -                                         | -                | 240,000          | 19,000               | 68,000               | 4,400                      | 23,000               |
|                                                           |                   | MW-9-051612           | 5/16/12     | -                                         | -                | 280,000          | 13,000               | 59,000               | 4,700                      | 25,000               |
| MW-10                                                     | Sea Level Aquifer | MW10-051309           | 5/13/09     | <130                                      | <250             | <50              | <1                   | 2                    | <1                         | <3                   |
|                                                           |                   | MW10-021010           | 2/10/10     | -                                         | -                | 140              | <1                   | 3.3                  | 1.5                        | 7.3                  |
|                                                           |                   | MW10-102210           | 10/22/10    | -                                         | -                | <50              | <1                   | 4.0                  | <1                         | 3.2                  |
|                                                           |                   | MW10-051811           | 5/18/11     | -                                         | -                | 69               | <1                   | 2.6                  | <1                         | <3                   |
|                                                           |                   | MW-10-111711          | 11/17/11    | -                                         | -                | <50              | <1.0                 | <1.0                 | <1.0                       | <3.0                 |
|                                                           |                   | MW-10-051512          | 5/15/12     | -                                         | -                | <50              | <1.0                 | <1.0                 | <1.0                       | <3.0                 |
|                                                           |                   | MW-10-121913          | 12/19/13    | <130                                      | <250             | <50              | <1.0                 | <1.0                 | <1.0                       | <3.0                 |
| MW-11                                                     | Sea Level Aquifer | MW11-051309           | 5/13/09     | <130                                      | <250             | 2,300            | 500                  | 530                  | 19                         | 230                  |
|                                                           |                   | MW11-021010           | 2/10/10     | -                                         | -                | 23,000           | 4,000                | 7,000                | 340                        | 1,600                |
|                                                           |                   | MW11-102210           | 10/22/10    | -                                         | -                | 29,000           | 2,400                | 7,400                | 790                        | 2,800                |
|                                                           |                   | MW11-051811           | 5/18/11     | -                                         | -                | 70,000           | 3,100                | 15,000               | 1,500                      | 7,200                |
|                                                           |                   | MW-11-111811          | 11/18/11    | -                                         | -                | 24,000           | 670                  | 3,700                | 820                        | 3,000                |
|                                                           |                   | MW-11-051612          | 5/16/12     | -                                         | -                | 19,000           | 700                  | 2,200                | 700                        | 2,700                |
|                                                           |                   | MW-11-122013          | 12/20/13    | <130                                      | <250             | 2,800            | 8.4                  | 64                   | 26                         | 440                  |
| MW-12                                                     | Sea Level Aquifer | MW12-051309           | 5/13/09     | <1,300 <sup>5</sup>                       | <250             | 55,000           | 200                  | 8,900                | 1,700                      | 9,700                |
|                                                           |                   | MW12-021010           | 2/10/10     | 2,600 <sup>4</sup>                        | 310              | 52,000           | 92                   | 3,900                | 1,300                      | 8,400                |
|                                                           |                   | MW12-102210           | 10/22/10    | -                                         | -                | 81,000           | 120                  | 5,300                | 2,100                      | 14,000               |
|                                                           |                   | MW12-051811           | 5/18/11     | -                                         | -                | 69,000           | 83                   | 4,400                | 1,700                      | 11,000               |
|                                                           |                   | MW-12-111711          | 11/17/11    | -                                         | -                | 68,000           | 82                   | 4,700                | 1,500                      | 11,000               |
|                                                           |                   | MW-12-051512          | 5/15/12     | -                                         | -                | 77,000           | <100                 | 5,100                | 1,700                      | 13,000               |
|                                                           |                   | MW-12-122013          | 12/20/13    | 2,500 <sup>4</sup>                        | 790              | 78,000           | 38                   | 3,300                | 1,200                      | 11,000               |
| MTCA Method A Cleanup Levels for Groundwater <sup>6</sup> |                   |                       |             | 500                                       | 500              | 800              | 5                    | 1,000                | 700                        | 1,000                |

**Table 2** *DRAFT - Issued for Agency Review*  
**Summary of Laboratory Analytical Results for TPH and BTEX in Groundwater Samples**  
**Whidbey Marine & Auto Supply**  
**Freeland, Washington**  
**Farallon PN: 454-001**

| Sample Location                                                 | Groundwater Zone  | Sample Identification | Sample Date | Analytical Results (micrograms per liter) |                  |                  |                      |                      |                           |                      |
|-----------------------------------------------------------------|-------------------|-----------------------|-------------|-------------------------------------------|------------------|------------------|----------------------|----------------------|---------------------------|----------------------|
|                                                                 |                   |                       |             | DRO <sup>1</sup>                          | ORO <sup>1</sup> | GRO <sup>2</sup> | Benzene <sup>3</sup> | Toluene <sup>3</sup> | Ethylbenzene <sup>3</sup> | Xylenes <sup>3</sup> |
| MW-13                                                           | Sea Level Aquifer | MW-13-121913          | 12/19/13    | <b>1,000<sup>4</sup></b>                  | <250             | <b>120,000</b>   | <b>2,500</b>         | <b>30,000</b>        | <b>1,100</b>              | <b>5,700</b>         |
|                                                                 |                   | QAQC-1-121913         | 12/19/13    | <b>820<sup>4</sup></b>                    | 290              | <b>110,000</b>   | <b>2,500</b>         | <b>28,000</b>        | <b>1,100</b>              | <b>5,600</b>         |
| MW-14                                                           | Sea Level         | MW-14-121813          | 12/18/13    | <130                                      | <250             | <50              | <1.0                 | <1.0                 | <1.0                      | <3.0                 |
| MW-15                                                           | Sea Level         | MW-15-121813          | 12/18/13    | <130                                      | <250             | <50              | <1.0                 | <1.0                 | <1.0                      | <3.0                 |
| MW-16                                                           | Sea Level         | MW-16-121813          | 12/18/13    | <130                                      | <250             | <50              | <1.0                 | <1.0                 | <1.0                      | <3.0                 |
| <b>MTCA Method A Cleanup Levels for Groundwater<sup>6</sup></b> |                   |                       |             | <b>500</b>                                | <b>500</b>       | <b>800</b>       | <b>5</b>             | <b>1,000</b>         | <b>700</b>                | <b>1,000</b>         |

**NOTES:**

< denotes analyte not detected at or exceeding the reporting limit listed.

Results in **bold** denote concentration or laboratory reporting limit exceeds applicable cleanup levels.

<sup>1</sup>Analyzed by Northwest Method NWTTPH-Dx

<sup>2</sup>Analyzed by Northwest Method NWTTPH-Gx.

<sup>3</sup>Analyzed by U.S. Environmental Protection Agency Method 8021B.

<sup>4</sup>Laboratory report narrative indicates DRO result is biased high due to GRO overlap.

<sup>5</sup>Laboratory report narrative indicates reporting limit for DRO is elevated due to GRO overlap.

<sup>6</sup>Washington State Model Toxics Control Act Cleanup Regulation Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised November 2007.

BTEX = benzene, toluene, ethylbenzene, and xylenes

DRO = TPH as diesel-range organics

GRO = TPH as gasoline-range organics

ORO = TPH as oil-range organics

TPH = total petroleum hydrocarbons

- = not sampled



December 31, 2013

Mr. Paul Grabau  
Farallon Consulting  
1201 Cornwall Ave, Suite 105  
Bellingham, WA 98225

Dear Mr. Grabau,

On December 20th, 14 samples were received by our laboratory and assigned our laboratory project number EV13120135. The project was identified as your 454-001. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director

**CERTIFICATE OF ANALYSIS**

|                  |                                                                             |                     |                        |
|------------------|-----------------------------------------------------------------------------|---------------------|------------------------|
| CLIENT:          | Farallon Consulting<br>1201 Cornwall Ave, Suite 105<br>Bellingham, WA 98225 | DATE:               | 12/31/2013             |
|                  |                                                                             | ALS JOB#:           | EV13120135             |
|                  |                                                                             | ALS SAMPLE#:        | -01                    |
| CLIENT CONTACT:  | Paul Grabau                                                                 | DATE RECEIVED:      | 12/20/2013             |
| CLIENT PROJECT:  | 454-001                                                                     | COLLECTION DATE:    | 12/18/2013 12:53:00 PM |
| CLIENT SAMPLE ID | MW-15-121813                                                                | WDOE ACCREDITATION: | C601                   |

**DATA RESULTS**

| ANALYTE            | METHOD   | RESULTS | REPORTING<br>LIMITS | DILUTION<br>FACTOR | UNITS | ANALYSIS<br>DATE | ANALYSIS<br>BY |
|--------------------|----------|---------|---------------------|--------------------|-------|------------------|----------------|
| TPH-Volatile Range | NWTPH-GX | U       | 50                  | 1                  | UG/L  | 12/26/2013       | DLC            |
| Benzene            | EPA-8021 | U       | 1.0                 | 1                  | UG/L  | 12/26/2013       | DLC            |
| Toluene            | EPA-8021 | U       | 1.0                 | 1                  | UG/L  | 12/26/2013       | DLC            |
| Ethylbenzene       | EPA-8021 | U       | 1.0                 | 1                  | UG/L  | 12/26/2013       | DLC            |
| Xylenes            | EPA-8021 | U       | 3.0                 | 1                  | UG/L  | 12/26/2013       | DLC            |
| TPH-Diesel Range   | NWTPH-DX | U       | 130                 | 1                  | UG/L  | 12/27/2013       | EBS            |
| TPH-Oil Range      | NWTPH-DX | U       | 250                 | 1                  | UG/L  | 12/27/2013       | EBS            |

| SURROGATE | METHOD   | %REC | ANALYSIS<br>DATE | ANALYSIS<br>BY |
|-----------|----------|------|------------------|----------------|
| TFT       | NWTPH-GX | 79.7 | 12/26/2013       | DLC            |
| TFT       | EPA-8021 | 80.3 | 12/26/2013       | DLC            |
| C25       | NWTPH-DX | 92.1 | 12/27/2013       | EBS            |

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

|                  |                                                                             |                     |                       |
|------------------|-----------------------------------------------------------------------------|---------------------|-----------------------|
| CLIENT:          | Farallon Consulting<br>1201 Cornwall Ave, Suite 105<br>Bellingham, WA 98225 | DATE:               | 12/31/2013            |
|                  |                                                                             | ALS JOB#:           | EV13120135            |
|                  |                                                                             | ALS SAMPLE#:        | -02                   |
| CLIENT CONTACT:  | Paul Grabau                                                                 | DATE RECEIVED:      | 12/20/2013            |
| CLIENT PROJECT:  | 454-001                                                                     | COLLECTION DATE:    | 12/18/2013 2:42:00 PM |
| CLIENT SAMPLE ID | MW-16-121813                                                                | WDOE ACCREDITATION: | C601                  |

**DATA RESULTS**

| ANALYTE            | METHOD   | RESULTS | REPORTING<br>LIMITS | DILUTION<br>FACTOR | UNITS | ANALYSIS<br>DATE | ANALYSIS<br>BY |
|--------------------|----------|---------|---------------------|--------------------|-------|------------------|----------------|
| TPH-Volatile Range | NWTPH-GX | U       | 50                  | 1                  | UG/L  | 12/21/2013       | DLC            |
| Benzene            | EPA-8021 | U       | 1.0                 | 1                  | UG/L  | 12/21/2013       | DLC            |
| Toluene            | EPA-8021 | U       | 1.0                 | 1                  | UG/L  | 12/21/2013       | DLC            |
| Ethylbenzene       | EPA-8021 | U       | 1.0                 | 1                  | UG/L  | 12/21/2013       | DLC            |
| Xylenes            | EPA-8021 | U       | 3.0                 | 1                  | UG/L  | 12/21/2013       | DLC            |
| TPH-Diesel Range   | NWTPH-DX | U       | 130                 | 1                  | UG/L  | 12/27/2013       | EBS            |
| TPH-Oil Range      | NWTPH-DX | U       | 250                 | 1                  | UG/L  | 12/27/2013       | EBS            |

| SURROGATE | METHOD   | %REC | ANALYSIS<br>DATE | ANALYSIS<br>BY |
|-----------|----------|------|------------------|----------------|
| TFT       | NWTPH-GX | 86.0 | 12/21/2013       | DLC            |
| TFT       | EPA-8021 | 83.3 | 12/21/2013       | DLC            |
| C25       | NWTPH-DX | 98.1 | 12/27/2013       | EBS            |

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

|                         |                                                                             |                            |                       |
|-------------------------|-----------------------------------------------------------------------------|----------------------------|-----------------------|
| <b>CLIENT:</b>          | Farallon Consulting<br>1201 Cornwall Ave, Suite 105<br>Bellingham, WA 98225 | <b>DATE:</b>               | 12/31/2013            |
|                         |                                                                             | <b>ALS JOB#:</b>           | EV13120135            |
|                         |                                                                             | <b>ALS SAMPLE#:</b>        | -03                   |
| <b>CLIENT CONTACT:</b>  | Paul Grabau                                                                 | <b>DATE RECEIVED:</b>      | 12/20/2013            |
| <b>CLIENT PROJECT:</b>  | 454-001                                                                     | <b>COLLECTION DATE:</b>    | 12/18/2013 3:55:00 PM |
| <b>CLIENT SAMPLE ID</b> | MW-14-121813                                                                | <b>WDOE ACCREDITATION:</b> | C601                  |

**DATA RESULTS**

| <b>ANALYTE</b>     | <b>METHOD</b> | <b>RESULTS</b> | <b>REPORTING<br/>LIMITS</b> | <b>DILUTION<br/>FACTOR</b> | <b>UNITS</b> | <b>ANALYSIS<br/>DATE</b> | <b>ANALYSIS<br/>BY</b> |
|--------------------|---------------|----------------|-----------------------------|----------------------------|--------------|--------------------------|------------------------|
| TPH-Volatile Range | NWTPH-GX      | U              | 50                          | 1                          | UG/L         | 12/21/2013               | DLC                    |
| Benzene            | EPA-8021      | U              | 1.0                         | 1                          | UG/L         | 12/21/2013               | DLC                    |
| Toluene            | EPA-8021      | U              | 1.0                         | 1                          | UG/L         | 12/21/2013               | DLC                    |
| Ethylbenzene       | EPA-8021      | U              | 1.0                         | 1                          | UG/L         | 12/21/2013               | DLC                    |
| Xylenes            | EPA-8021      | U              | 3.0                         | 1                          | UG/L         | 12/21/2013               | DLC                    |
| TPH-Diesel Range   | NWTPH-DX      | U              | 130                         | 1                          | UG/L         | 12/27/2013               | EBS                    |
| TPH-Oil Range      | NWTPH-DX      | U              | 250                         | 1                          | UG/L         | 12/27/2013               | EBS                    |

| <b>SURROGATE</b> | <b>METHOD</b> | <b>%REC</b> | <b>ANALYSIS<br/>DATE</b> | <b>ANALYSIS<br/>BY</b> |
|------------------|---------------|-------------|--------------------------|------------------------|
| TFT              | NWTPH-GX      | <b>75.4</b> | 12/21/2013               | DLC                    |
| TFT              | EPA-8021      | <b>81.2</b> | 12/21/2013               | DLC                    |
| C25              | NWTPH-DX      | <b>99.6</b> | 12/27/2013               | EBS                    |

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

|                  |                                                                             |                     |                       |
|------------------|-----------------------------------------------------------------------------|---------------------|-----------------------|
| CLIENT:          | Farallon Consulting<br>1201 Cornwall Ave, Suite 105<br>Bellingham, WA 98225 | DATE:               | 12/31/2013            |
|                  |                                                                             | ALS JOB#:           | EV13120135            |
|                  |                                                                             | ALS SAMPLE#:        | -04                   |
| CLIENT CONTACT:  | Paul Grabau                                                                 | DATE RECEIVED:      | 12/20/2013            |
| CLIENT PROJECT:  | 454-001                                                                     | COLLECTION DATE:    | 12/19/2013 8:39:00 AM |
| CLIENT SAMPLE ID | MW-3-121913                                                                 | WDOE ACCREDITATION: | C601                  |

**DATA RESULTS**

| ANALYTE            | METHOD   | RESULTS | REPORTING<br>LIMITS | DILUTION<br>FACTOR | UNITS | ANALYSIS<br>DATE | ANALYSIS<br>BY |
|--------------------|----------|---------|---------------------|--------------------|-------|------------------|----------------|
| TPH-Volatile Range | NWTPH-GX | U       | 50                  | 1                  | UG/L  | 12/21/2013       | DLC            |
| Benzene            | EPA-8021 | U       | 1.0                 | 1                  | UG/L  | 12/21/2013       | DLC            |
| Toluene            | EPA-8021 | U       | 1.0                 | 1                  | UG/L  | 12/21/2013       | DLC            |
| Ethylbenzene       | EPA-8021 | U       | 1.0                 | 1                  | UG/L  | 12/21/2013       | DLC            |
| Xylenes            | EPA-8021 | U       | 3.0                 | 1                  | UG/L  | 12/21/2013       | DLC            |
| TPH-Diesel Range   | NWTPH-DX | U       | 130                 | 1                  | UG/L  | 12/26/2013       | EBS            |
| TPH-Oil Range      | NWTPH-DX | U       | 250                 | 1                  | UG/L  | 12/26/2013       | EBS            |

| SURROGATE | METHOD   | %REC | ANALYSIS<br>DATE | ANALYSIS<br>BY |
|-----------|----------|------|------------------|----------------|
| TFT       | NWTPH-GX | 79.0 | 12/21/2013       | DLC            |
| TFT       | EPA-8021 | 88.0 | 12/21/2013       | DLC            |
| C25       | NWTPH-DX | 91.0 | 12/26/2013       | EBS            |

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

|                         |                                                                             |                            |                       |
|-------------------------|-----------------------------------------------------------------------------|----------------------------|-----------------------|
| <b>CLIENT:</b>          | Farallon Consulting<br>1201 Cornwall Ave, Suite 105<br>Bellingham, WA 98225 | <b>DATE:</b>               | 12/31/2013            |
|                         |                                                                             | <b>ALS JOB#:</b>           | EV13120135            |
|                         |                                                                             | <b>ALS SAMPLE#:</b>        | -05                   |
| <b>CLIENT CONTACT:</b>  | Paul Grabau                                                                 | <b>DATE RECEIVED:</b>      | 12/20/2013            |
| <b>CLIENT PROJECT:</b>  | 454-001                                                                     | <b>COLLECTION DATE:</b>    | 12/19/2013 9:21:00 AM |
| <b>CLIENT SAMPLE ID</b> | MW-1-121913                                                                 | <b>WDOE ACCREDITATION:</b> | C601                  |

**DATA RESULTS**

| <b>ANALYTE</b>     | <b>METHOD</b> | <b>RESULTS</b> | <b>REPORTING LIMITS</b> | <b>DILUTION FACTOR</b> | <b>UNITS</b> | <b>ANALYSIS DATE</b> | <b>ANALYSIS BY</b> |
|--------------------|---------------|----------------|-------------------------|------------------------|--------------|----------------------|--------------------|
| TPH-Volatile Range | NWTPH-GX      | U              | 50                      | 1                      | UG/L         | 12/21/2013           | DLC                |
| Benzene            | EPA-8021      | U              | 1.0                     | 1                      | UG/L         | 12/21/2013           | DLC                |
| Toluene            | EPA-8021      | U              | 1.0                     | 1                      | UG/L         | 12/21/2013           | DLC                |
| Ethylbenzene       | EPA-8021      | U              | 1.0                     | 1                      | UG/L         | 12/21/2013           | DLC                |
| Xylenes            | EPA-8021      | U              | 3.0                     | 1                      | UG/L         | 12/21/2013           | DLC                |
| TPH-Diesel Range   | NWTPH-DX      | U              | 130                     | 1                      | UG/L         | 12/27/2013           | EBS                |
| TPH-Oil Range      | NWTPH-DX      | U              | 250                     | 1                      | UG/L         | 12/27/2013           | EBS                |

| <b>SURROGATE</b> | <b>METHOD</b> | <b>%REC</b> | <b>ANALYSIS DATE</b> | <b>ANALYSIS BY</b> |
|------------------|---------------|-------------|----------------------|--------------------|
| TFT              | NWTPH-GX      | <b>83.2</b> | 12/21/2013           | DLC                |
| TFT              | EPA-8021      | <b>81.5</b> | 12/21/2013           | DLC                |
| C25              | NWTPH-DX      | <b>101</b>  | 12/27/2013           | EBS                |

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

|                  |                                                                             |                     |                        |
|------------------|-----------------------------------------------------------------------------|---------------------|------------------------|
| CLIENT:          | Farallon Consulting<br>1201 Cornwall Ave, Suite 105<br>Bellingham, WA 98225 | DATE:               | 12/31/2013             |
|                  |                                                                             | ALS JOB#:           | EV13120135             |
|                  |                                                                             | ALS SAMPLE#:        | -06                    |
| CLIENT CONTACT:  | Paul Grabau                                                                 | DATE RECEIVED:      | 12/20/2013             |
| CLIENT PROJECT:  | 454-001                                                                     | COLLECTION DATE:    | 12/19/2013 10:21:00 AM |
| CLIENT SAMPLE ID | MW-10-121913                                                                | WDOE ACCREDITATION: | C601                   |

**DATA RESULTS**

| ANALYTE            | METHOD   | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|--------------------|----------|---------|------------------|-----------------|-------|---------------|-------------|
| TPH-Volatile Range | NWTPH-GX | U       | 50               | 1               | UG/L  | 12/21/2013    | DLC         |
| Benzene            | EPA-8021 | U       | 1.0              | 1               | UG/L  | 12/21/2013    | DLC         |
| Toluene            | EPA-8021 | U       | 1.0              | 1               | UG/L  | 12/21/2013    | DLC         |
| Ethylbenzene       | EPA-8021 | U       | 1.0              | 1               | UG/L  | 12/21/2013    | DLC         |
| Xylenes            | EPA-8021 | U       | 3.0              | 1               | UG/L  | 12/21/2013    | DLC         |
| TPH-Diesel Range   | NWTPH-DX | U       | 130              | 1               | UG/L  | 12/27/2013    | EBS         |
| TPH-Oil Range      | NWTPH-DX | U       | 250              | 1               | UG/L  | 12/27/2013    | EBS         |

| SURROGATE | METHOD   | %REC | ANALYSIS DATE | ANALYSIS BY |
|-----------|----------|------|---------------|-------------|
| TFT       | NWTPH-GX | 84.4 | 12/21/2013    | DLC         |
| TFT       | EPA-8021 | 87.3 | 12/21/2013    | DLC         |
| C25       | NWTPH-DX | 96.0 | 12/27/2013    | EBS         |

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

|                  |                                                                             |                     |                        |
|------------------|-----------------------------------------------------------------------------|---------------------|------------------------|
| CLIENT:          | Farallon Consulting<br>1201 Cornwall Ave, Suite 105<br>Bellingham, WA 98225 | DATE:               | 12/31/2013             |
|                  |                                                                             | ALS JOB#:           | EV13120135             |
|                  |                                                                             | ALS SAMPLE#:        | -07                    |
| CLIENT CONTACT:  | Paul Grabau                                                                 | DATE RECEIVED:      | 12/20/2013             |
| CLIENT PROJECT:  | 454-001                                                                     | COLLECTION DATE:    | 12/19/2013 11:48:00 AM |
| CLIENT SAMPLE ID | MW-4-121913                                                                 | WDOE ACCREDITATION: | C601                   |

**DATA RESULTS**

| ANALYTE            | METHOD   | RESULTS      | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|--------------------|----------|--------------|------------------|-----------------|-------|---------------|-------------|
| TPH-Volatile Range | NWTPH-GX | <b>41000</b> | 1200             | 25              | UG/L  | 12/26/2013    | DLC         |
| Benzene            | EPA-8021 | U            | 25               | 25              | UG/L  | 12/26/2013    | DLC         |
| Toluene            | EPA-8021 | U            | 25               | 25              | UG/L  | 12/26/2013    | DLC         |
| Ethylbenzene       | EPA-8021 | <b>280</b>   | 25               | 25              | UG/L  | 12/26/2013    | DLC         |
| Xylenes            | EPA-8021 | <b>11000</b> | 75               | 25              | UG/L  | 12/26/2013    | DLC         |
| TPH-Diesel Range   | NWTPH-DX | U            | 630              | 1               | UG/L  | 12/27/2013    | EBS         |
| TPH-Oil Range      | NWTPH-DX | U            | 250              | 1               | UG/L  | 12/27/2013    | EBS         |

| SURROGATE        | METHOD   | %REC        | ANALYSIS DATE | ANALYSIS BY |
|------------------|----------|-------------|---------------|-------------|
| TFT 25X Dilution | NWTPH-GX | <b>89.9</b> | 12/26/2013    | DLC         |
| TFT 25X Dilution | EPA-8021 | <b>84.0</b> | 12/26/2013    | DLC         |
| C25              | NWTPH-DX | <b>101</b>  | 12/27/2013    | EBS         |

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.  
Diesel range product reporting limits raised due to volatile range product overlap.



# CERTIFICATE OF ANALYSIS

|                  |                                                                             |                     |                        |
|------------------|-----------------------------------------------------------------------------|---------------------|------------------------|
| CLIENT:          | Farallon Consulting<br>1201 Cornwall Ave, Suite 105<br>Bellingham, WA 98225 | DATE:               | 12/31/2013             |
|                  |                                                                             | ALS JOB#:           | EV13120135             |
| CLIENT CONTACT:  | Paul Grabau                                                                 | ALS SAMPLE#:        | -08                    |
| CLIENT PROJECT:  | 454-001                                                                     | DATE RECEIVED:      | 12/20/2013             |
| CLIENT SAMPLE ID | MW-2-121913                                                                 | COLLECTION DATE:    | 12/19/2013 11:55:00 AM |
|                  |                                                                             | WDOE ACCREDITATION: | C601                   |

# DATA RESULTS

| ANALYTE            | METHOD   | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|--------------------|----------|---------|------------------|-----------------|-------|---------------|-------------|
| TPH-Volatile Range | NWTPH-GX | 82      | 50               | 1               | UG/L  | 12/26/2013    | DLC         |
| Benzene            | EPA-8021 | U       | 1.0              | 1               | UG/L  | 12/26/2013    | DLC         |
| Toluene            | EPA-8021 | U       | 1.0              | 1               | UG/L  | 12/26/2013    | DLC         |
| Ethylbenzene       | EPA-8021 | U       | 1.0              | 1               | UG/L  | 12/26/2013    | DLC         |
| Xylenes            | EPA-8021 | U       | 3.0              | 1               | UG/L  | 12/26/2013    | DLC         |
| TPH-Diesel Range   | NWTPH-DX | 5400    | 650              | 5               | UG/L  | 12/30/2013    | EBS         |
| TPH-Oil Range      | NWTPH-DX | 11000   | 1200             | 5               | UG/L  | 12/30/2013    | EBS         |

| SURROGATE       | METHOD   | %REC | ANALYSIS DATE | ANALYSIS BY |
|-----------------|----------|------|---------------|-------------|
| TFT             | NWTPH-GX | 111  | 12/26/2013    | DLC         |
| TFT             | EPA-8021 | 106  | 12/26/2013    | DLC         |
| C25 5X Dilution | NWTPH-DX | 103  | 12/30/2013    | EBS         |

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline and light oil/lube oil.



# CERTIFICATE OF ANALYSIS

|                  |                              |                     |                       |
|------------------|------------------------------|---------------------|-----------------------|
| CLIENT:          | Farallon Consulting          | DATE:               | 12/31/2013            |
|                  | 1201 Cornwall Ave, Suite 105 | ALS JOB#:           | EV13120135            |
|                  | Bellingham, WA 98225         | ALS SAMPLE#:        | -09                   |
| CLIENT CONTACT:  | Paul Grabau                  | DATE RECEIVED:      | 12/20/2013            |
| CLIENT PROJECT:  | 454-001                      | COLLECTION DATE:    | 12/19/2013 1:35:00 PM |
| CLIENT SAMPLE ID | MW-8-121913                  | WDOE ACCREDITATION: | C601                  |

# DATA RESULTS

| ANALYTE            | METHOD   | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|--------------------|----------|---------|------------------|-----------------|-------|---------------|-------------|
| TPH-Volatile Range | NWTPH-GX | 24000   | 1200             | 25              | UG/L  | 12/26/2013    | DLC         |
| Benzene            | EPA-8021 | U       | 25               | 25              | UG/L  | 12/26/2013    | DLC         |
| Toluene            | EPA-8021 | U       | 25               | 25              | UG/L  | 12/26/2013    | DLC         |
| Ethylbenzene       | EPA-8021 | 150     | 25               | 25              | UG/L  | 12/26/2013    | DLC         |
| Xylenes            | EPA-8021 | 4200    | 75               | 25              | UG/L  | 12/26/2013    | DLC         |
| TPH-Diesel Range   | NWTPH-DX | U       | 630              | 1               | UG/L  | 12/26/2013    | EBS         |
| TPH-Oil Range      | NWTPH-DX | U       | 250              | 1               | UG/L  | 12/26/2013    | EBS         |

| SURROGATE        | METHOD   | %REC | ANALYSIS DATE | ANALYSIS BY |
|------------------|----------|------|---------------|-------------|
| TFT 25X Dilution | NWTPH-GX | 95.2 | 12/26/2013    | DLC         |
| TFT 25X Dilution | EPA-8021 | 91.3 | 12/26/2013    | DLC         |
| C25              | NWTPH-DX | 97.2 | 12/26/2013    | EBS         |

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.  
Diesel range product reporting limits raised due to volatile range product overlap.



# CERTIFICATE OF ANALYSIS

|                  |                                                                             |                     |                       |
|------------------|-----------------------------------------------------------------------------|---------------------|-----------------------|
| CLIENT:          | Farallon Consulting<br>1201 Cornwall Ave, Suite 105<br>Bellingham, WA 98225 | DATE:               | 12/31/2013            |
|                  |                                                                             | ALS JOB#:           | EV13120135            |
| CLIENT CONTACT:  | Paul Grabau                                                                 | ALS SAMPLE#:        | -10                   |
| CLIENT PROJECT:  | 454-001                                                                     | DATE RECEIVED:      | 12/20/2013            |
| CLIENT SAMPLE ID | MW-6-121913                                                                 | COLLECTION DATE:    | 12/19/2013 2:15:00 PM |
|                  |                                                                             | WDOE ACCREDITATION: | C601                  |

# DATA RESULTS

| ANALYTE            | METHOD   | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|--------------------|----------|---------|------------------|-----------------|-------|---------------|-------------|
| TPH-Volatile Range | NWTPH-GX | 8900    | 250              | 5               | UG/L  | 12/26/2013    | DLC         |
| Benzene            | EPA-8021 | U       | 5.0              | 5               | UG/L  | 12/26/2013    | DLC         |
| Toluene            | EPA-8021 | U       | 5.0              | 5               | UG/L  | 12/26/2013    | DLC         |
| Ethylbenzene       | EPA-8021 | 120     | 5.0              | 5               | UG/L  | 12/26/2013    | DLC         |
| Xylenes            | EPA-8021 | 1700    | 15               | 5               | UG/L  | 12/26/2013    | DLC         |
| TPH-Diesel Range   | NWTPH-DX | U       | 250              | 1               | UG/L  | 12/26/2013    | EBS         |
| TPH-Oil Range      | NWTPH-DX | U       | 250              | 1               | UG/L  | 12/26/2013    | EBS         |

| SURROGATE       | METHOD   | %REC | ANALYSIS DATE | ANALYSIS BY |
|-----------------|----------|------|---------------|-------------|
| TFT 5X Dilution | NWTPH-GX | 115  | 12/26/2013    | DLC         |
| TFT 5X Dilution | EPA-8021 | 107  | 12/26/2013    | DLC         |
| C25             | NWTPH-DX | 97.5 | 12/26/2013    | EBS         |

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.  
Diesel range product reporting limits raised due to volatile range product overlap.



# CERTIFICATE OF ANALYSIS

|                  |                                                                             |                     |                       |
|------------------|-----------------------------------------------------------------------------|---------------------|-----------------------|
| CLIENT:          | Farallon Consulting<br>1201 Cornwall Ave, Suite 105<br>Bellingham, WA 98225 | DATE:               | 12/31/2013            |
|                  |                                                                             | ALS JOB#:           | EV13120135            |
| CLIENT CONTACT:  | Paul Grabau                                                                 | ALS SAMPLE#:        | -11                   |
| CLIENT PROJECT:  | 454-001                                                                     | DATE RECEIVED:      | 12/20/2013            |
| CLIENT SAMPLE ID | MW-13-121913                                                                | COLLECTION DATE:    | 12/19/2013 3:36:00 PM |
|                  |                                                                             | WDOE ACCREDITATION: | C601                  |

# DATA RESULTS

| ANALYTE            | METHOD   | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|--------------------|----------|---------|------------------|-----------------|-------|---------------|-------------|
| TPH-Volatile Range | NWTPH-GX | 120000  | 12000            | 250             | UG/L  | 12/27/2013    | DLC         |
| Benzene            | EPA-8021 | 2500    | 50               | 50              | UG/L  | 12/26/2013    | DLC         |
| Toluene            | EPA-8021 | 30000   | 250              | 250             | UG/L  | 12/27/2013    | DLC         |
| Ethylbenzene       | EPA-8021 | 1100    | 50               | 50              | UG/L  | 12/26/2013    | DLC         |
| Xylenes            | EPA-8021 | 5700    | 150              | 50              | UG/L  | 12/26/2013    | DLC         |
| TPH-Diesel Range   | NWTPH-DX | 1000    | 130              | 1               | UG/L  | 12/26/2013    | EBS         |
| TPH-Oil Range      | NWTPH-DX | U       | 250              | 1               | UG/L  | 12/26/2013    | EBS         |

| SURROGATE         | METHOD   | %REC | ANALYSIS DATE | ANALYSIS BY |
|-------------------|----------|------|---------------|-------------|
| TFT 250X Dilution | NWTPH-GX | 98.7 | 12/27/2013    | DLC         |
| TFT 50X Dilution  | EPA-8021 | 87.0 | 12/26/2013    | DLC         |
| TFT 250X Dilution | EPA-8021 | 91.5 | 12/27/2013    | DLC         |
| C25               | NWTPH-DX | 97.9 | 12/26/2013    | EBS         |

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains lightly weathered gasoline and weathered diesel.  
Diesel range product results biased high due to gasoline range product overlap.



# CERTIFICATE OF ANALYSIS

|                  |                                                                             |                     |                       |
|------------------|-----------------------------------------------------------------------------|---------------------|-----------------------|
| CLIENT:          | Farallon Consulting<br>1201 Cornwall Ave, Suite 105<br>Bellingham, WA 98225 | DATE:               | 12/31/2013            |
| CLIENT CONTACT:  | Paul Grabau                                                                 | ALS JOB#:           | EV13120135            |
| CLIENT PROJECT:  | 454-001                                                                     | ALS SAMPLE#:        | -12                   |
| CLIENT SAMPLE ID | QAQC-1-121913                                                               | DATE RECEIVED:      | 12/20/2013            |
|                  |                                                                             | COLLECTION DATE:    | 12/19/2013 6:36:00 PM |
|                  |                                                                             | WDOE ACCREDITATION: | C601                  |

# DATA RESULTS

| ANALYTE            | METHOD   | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|--------------------|----------|---------|------------------|-----------------|-------|---------------|-------------|
| TPH-Volatile Range | NWTPH-GX | 110000  | 10000            | 200             | UG/L  | 12/27/2013    | DLC         |
| Benzene            | EPA-8021 | 2500    | 50               | 50              | UG/L  | 12/26/2013    | DLC         |
| Toluene            | EPA-8021 | 28000   | 200              | 200             | UG/L  | 12/27/2013    | DLC         |
| Ethylbenzene       | EPA-8021 | 1100    | 50               | 50              | UG/L  | 12/26/2013    | DLC         |
| Xylenes            | EPA-8021 | 5600    | 150              | 50              | UG/L  | 12/26/2013    | DLC         |
| TPH-Diesel Range   | NWTPH-DX | 820     | 130              | 1               | UG/L  | 12/30/2013    | EBS         |
| TPH-Oil Range      | NWTPH-DX | 290     | 250              | 1               | UG/L  | 12/30/2013    | EBS         |

| SURROGATE         | METHOD   | %REC | ANALYSIS DATE | ANALYSIS BY |
|-------------------|----------|------|---------------|-------------|
| TFT 200X Dilution | NWTPH-GX | 96.5 | 12/27/2013    | DLC         |
| TFT 50X Dilution  | EPA-8021 | 91.2 | 12/26/2013    | DLC         |
| TFT 200X Dilution | EPA-8021 | 91.5 | 12/27/2013    | DLC         |
| C25               | NWTPH-DX | 103  | 12/30/2013    | EBS         |

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline, weathered diesel and lube oil.  
Diesel range product results biased high due to gasoline range product overlap.

**CERTIFICATE OF ANALYSIS**

|                  |                                                                             |                     |                        |
|------------------|-----------------------------------------------------------------------------|---------------------|------------------------|
| CLIENT:          | Farallon Consulting<br>1201 Cornwall Ave, Suite 105<br>Bellingham, WA 98225 | DATE:               | 12/31/2013             |
|                  |                                                                             | ALS JOB#:           | EV13120135             |
|                  |                                                                             | ALS SAMPLE#:        | -13                    |
| CLIENT CONTACT:  | Paul Grabau                                                                 | DATE RECEIVED:      | 12/20/2013             |
| CLIENT PROJECT:  | 454-001                                                                     | COLLECTION DATE:    | 12/20/2013 10:49:00 AM |
| CLIENT SAMPLE ID | MW-11-122013                                                                | WDOE ACCREDITATION: | C601                   |

**DATA RESULTS**

| ANALYTE            | METHOD   | RESULTS     | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|--------------------|----------|-------------|------------------|-----------------|-------|---------------|-------------|
| TPH-Volatile Range | NWTPH-GX | <b>2800</b> | 100              | 2               | UG/L  | 12/26/2013    | DLC         |
| Benzene            | EPA-8021 | <b>8.4</b>  | 2.0              | 2               | UG/L  | 12/26/2013    | DLC         |
| Toluene            | EPA-8021 | <b>64</b>   | 2.0              | 2               | UG/L  | 12/26/2013    | DLC         |
| Ethylbenzene       | EPA-8021 | <b>26</b>   | 2.0              | 2               | UG/L  | 12/26/2013    | DLC         |
| Xylenes            | EPA-8021 | <b>440</b>  | 6.0              | 2               | UG/L  | 12/26/2013    | DLC         |
| TPH-Diesel Range   | NWTPH-DX | U           | 130              | 1               | UG/L  | 12/30/2013    | EBS         |
| TPH-Oil Range      | NWTPH-DX | U           | 250              | 1               | UG/L  | 12/30/2013    | EBS         |

| SURROGATE       | METHOD   | %REC        | ANALYSIS DATE | ANALYSIS BY |
|-----------------|----------|-------------|---------------|-------------|
| TFT 2X Dilution | NWTPH-GX | <b>97.5</b> | 12/26/2013    | DLC         |
| TFT 2X Dilution | EPA-8021 | <b>90.8</b> | 12/26/2013    | DLC         |
| C25             | NWTPH-DX | <b>98.1</b> | 12/30/2013    | EBS         |

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.



# CERTIFICATE OF ANALYSIS

|                  |                                                                             |                     |                        |
|------------------|-----------------------------------------------------------------------------|---------------------|------------------------|
| CLIENT:          | Farallon Consulting<br>1201 Cornwall Ave, Suite 105<br>Bellingham, WA 98225 | DATE:               | 12/31/2013             |
|                  |                                                                             | ALS JOB#:           | EV13120135             |
| CLIENT CONTACT:  | Paul Grabau                                                                 | ALS SAMPLE#:        | -14                    |
| CLIENT PROJECT:  | 454-001                                                                     | DATE RECEIVED:      | 12/20/2013             |
| CLIENT SAMPLE ID | MW-12-122013                                                                | COLLECTION DATE:    | 12/20/2013 12:24:00 PM |
|                  |                                                                             | WDOE ACCREDITATION: | C601                   |

# DATA RESULTS

| ANALYTE            | METHOD   | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|--------------------|----------|---------|------------------|-----------------|-------|---------------|-------------|
| TPH-Volatile Range | NWTPH-GX | 78000   | 2500             | 50              | UG/L  | 12/27/2013    | DLC         |
| Benzene            | EPA-8021 | 38      | 20               | 20              | UG/L  | 12/26/2013    | DLC         |
| Toluene            | EPA-8021 | 3300    | 20               | 20              | UG/L  | 12/26/2013    | DLC         |
| Ethylbenzene       | EPA-8021 | 1200    | 20               | 20              | UG/L  | 12/26/2013    | DLC         |
| Xylenes            | EPA-8021 | 11000   | 150              | 50              | UG/L  | 12/27/2013    | DLC         |
| TPH-Diesel Range   | NWTPH-DX | 2500    | 130              | 1               | UG/L  | 12/30/2013    | EBS         |
| TPH-Oil Range      | NWTPH-DX | 790     | 250              | 1               | UG/L  | 12/30/2013    | EBS         |

| SURROGATE        | METHOD   | %REC | ANALYSIS DATE | ANALYSIS BY |
|------------------|----------|------|---------------|-------------|
| TFT 50X Dilution | NWTPH-GX | 101  | 12/27/2013    | DLC         |
| TFT 20X Dilution | EPA-8021 | 102  | 12/26/2013    | DLC         |
| TFT 50X Dilution | EPA-8021 | 95.0 | 12/27/2013    | DLC         |
| C25              | NWTPH-DX | 104  | 12/30/2013    | EBS         |

Chromatogram indicates that it is likely that sample contains lightly weathered gasoline, weathered diesel and lube oil.  
Diesel range product results biased high due to gasoline range product overlap.

**CERTIFICATE OF ANALYSIS**

|                 |                                                                             |                     |            |
|-----------------|-----------------------------------------------------------------------------|---------------------|------------|
| CLIENT:         | Farallon Consulting<br>1201 Cornwall Ave, Suite 105<br>Bellingham, WA 98225 | DATE:               | 12/31/2013 |
|                 |                                                                             | ALS SDG#:           | EV13120135 |
|                 |                                                                             | WDOE ACCREDITATION: | C601       |
| CLIENT CONTACT: | Paul Grabau                                                                 |                     |            |
| CLIENT PROJECT: | 454-001                                                                     |                     |            |

**LABORATORY BLANK RESULTS**
**MBG-122113W - Batch 7496 - Water by NWTPH-GX**

| ANALYTE            | METHOD   | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|--------------------|----------|---------|------------------|-----------------|-------|---------------|-------------|
| TPH-Volatile Range | NWTPH-GX | U       | 50               | 1               | UG/L  | 12/21/2013    | DLC         |

**MB-122113W - Batch 7496 - Water by EPA-8021**

| ANALYTE      | METHOD   | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|--------------|----------|---------|------------------|-----------------|-------|---------------|-------------|
| Benzene      | EPA-8021 | U       | 1.0              | 1               | UG/L  | 12/21/2013    | DLC         |
| Toluene      | EPA-8021 | U       | 1.0              | 1               | UG/L  | 12/21/2013    | DLC         |
| Ethylbenzene | EPA-8021 | U       | 1.0              | 1               | UG/L  | 12/21/2013    | DLC         |
| Xylenes      | EPA-8021 | U       | 3.0              | 1               | UG/L  | 12/21/2013    | DLC         |

**MB-121613W - Batch 7471 - Water by NWTPH-DX**

| ANALYTE          | METHOD   | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|------------------|----------|---------|------------------|-----------------|-------|---------------|-------------|
| TPH-Diesel Range | NWTPH-DX | U       | 130              | 1               | UG/L  | 12/16/2013    | EBS         |
| TPH-Oil Range    | NWTPH-DX | U       | 250              | 1               | UG/L  | 12/16/2013    | EBS         |

**MB-122013W - Batch 7494 - Water by NWTPH-DX**

| ANALYTE          | METHOD   | RESULTS | REPORTING LIMITS | DILUTION FACTOR | UNITS | ANALYSIS DATE | ANALYSIS BY |
|------------------|----------|---------|------------------|-----------------|-------|---------------|-------------|
| TPH-Diesel Range | NWTPH-DX | U       | 130              | 1               | UG/L  | 12/23/2013    | EBS         |
| TPH-Oil Range    | NWTPH-DX | U       | 250              | 1               | UG/L  | 12/23/2013    | EBS         |



# CERTIFICATE OF ANALYSIS

CLIENT: Farallon Consulting  
1201 Cornwall Ave, Suite 105  
Bellingham, WA 98225

DATE: 12/31/2013  
ALS SDG#: EV13120135  
WDOE ACCREDITATION: C601

CLIENT CONTACT: Paul Grabau  
CLIENT PROJECT: 454-001

## LABORATORY CONTROL SAMPLE RESULTS

### ALS Test Batch ID: 7496 - Water by NWTPH-GX

| SPIKED COMPOUND          | METHOD   | %REC | RPD | QUAL | ANALYSIS DATE | ANALYSIS BY |
|--------------------------|----------|------|-----|------|---------------|-------------|
| TPH-Volatile Range - BS  | NWTPH-GX | 67.5 |     |      | 12/21/2013    | DLC         |
| TPH-Volatile Range - BSD | NWTPH-GX | 72.3 | 7   |      | 12/21/2013    | DLC         |

### ALS Test Batch ID: 7496 - Water by EPA-8021

| SPIKED COMPOUND    | METHOD   | %REC | RPD | QUAL | ANALYSIS DATE | ANALYSIS BY |
|--------------------|----------|------|-----|------|---------------|-------------|
| Benzene - BS       | EPA-8021 | 91.9 |     |      | 12/21/2013    | DLC         |
| Benzene - BSD      | EPA-8021 | 94.1 | 2   |      | 12/21/2013    | DLC         |
| Toluene - BS       | EPA-8021 | 90.8 |     |      | 12/21/2013    | DLC         |
| Toluene - BSD      | EPA-8021 | 92.2 | 2   |      | 12/21/2013    | DLC         |
| Ethylbenzene - BS  | EPA-8021 | 88.1 |     |      | 12/21/2013    | DLC         |
| Ethylbenzene - BSD | EPA-8021 | 89.2 | 1   |      | 12/21/2013    | DLC         |
| Xylenes - BS       | EPA-8021 | 90.4 |     |      | 12/21/2013    | DLC         |
| Xylenes - BSD      | EPA-8021 | 92.6 | 2   |      | 12/21/2013    | DLC         |

### ALS Test Batch ID: 7471 - Water by NWTPH-DX

| SPIKED COMPOUND        | METHOD   | %REC | RPD | QUAL | ANALYSIS DATE | ANALYSIS BY |
|------------------------|----------|------|-----|------|---------------|-------------|
| TPH-Diesel Range - BS  | NWTPH-DX | 87.0 |     |      | 12/16/2013    | EBS         |
| TPH-Diesel Range - BSD | NWTPH-DX | 90.4 | 4   |      | 12/16/2013    | EBS         |

### ALS Test Batch ID: 7494 - Water by NWTPH-DX

| SPIKED COMPOUND        | METHOD   | %REC | RPD | QUAL | ANALYSIS DATE | ANALYSIS BY |
|------------------------|----------|------|-----|------|---------------|-------------|
| TPH-Diesel Range - BS  | NWTPH-DX | 66.4 |     |      | 12/23/2013    | EBS         |
| TPH-Diesel Range - BSD | NWTPH-DX | 67.0 | 1   |      | 12/23/2013    | EBS         |

APPROVED BY

Laboratory Director



ALS Environmental  
8620 Holly Drive, Suite 100  
Everett, WA 98208  
Phone (425) 356-2600  
Fax (425) 356-2626  
http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV13/20/35

Date 12/20/13 Page 1 of 2

| PROJECT ID: 454-001                                    |          |      |       |      | ANALYSIS REQUESTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |          |                  |                  |          |                                   |                                        |                                   |                              | OTHER (Specify)                                     |                                                        |     |                             |               |        |         |     |                        |             |     |          |      |       |                      |                             |
|--------------------------------------------------------|----------|------|-------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|------------------|------------------|----------|-----------------------------------|----------------------------------------|-----------------------------------|------------------------------|-----------------------------------------------------|--------------------------------------------------------|-----|-----------------------------|---------------|--------|---------|-----|------------------------|-------------|-----|----------|------|-------|----------------------|-----------------------------|
| REPORT TO COMPANY: Farallon Consulting                 |          |      |       |      | <input type="checkbox"/> NWTPH-HCID<br><input type="checkbox"/> NWTPH-DX<br><input type="checkbox"/> NWTPH-GX<br><input type="checkbox"/> BTEX by EPA-8021<br><input type="checkbox"/> MTBE by EPA-8021<br><input type="checkbox"/> EPA-8260<br><input type="checkbox"/> Halogenated Volatiles by EPA-8260<br><input type="checkbox"/> Volatile Organic Compounds by EPA-8260<br><input type="checkbox"/> EDB / EDC by EPA-8260 SIM (water)<br><input type="checkbox"/> EDB / EDC by EPA-8260 (soil)<br><input type="checkbox"/> Semivolatile Organic Compounds by EPA-8270<br><input type="checkbox"/> Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM<br><input type="checkbox"/> PCB<br><input type="checkbox"/> Pesticides by EPA 8081/8082<br><input type="checkbox"/> Metals-MTCA-5<br><input type="checkbox"/> RCRA-8<br><input type="checkbox"/> Pri Pol<br><input type="checkbox"/> TAL<br><input type="checkbox"/> Metals Other (Specify)<br><input type="checkbox"/> TCLP-Metals<br><input type="checkbox"/> VOA<br><input type="checkbox"/> Semi-Vol<br><input type="checkbox"/> Pest<br><input type="checkbox"/> Herbs |          |          |                  |                  |          |                                   |                                        |                                   |                              | NUMBER OF CONTAINERS<br>RECEIVED IN GOOD CONDITION? |                                                        |     |                             |               |        |         |     |                        |             |     |          |      |       |                      |                             |
| PROJECT MANAGER: Paul Grabau                           |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                  |          |                                   |                                        |                                   |                              |                                                     |                                                        |     |                             |               |        |         |     |                        |             |     |          |      |       |                      |                             |
| ADDRESS: 1726 Electric Ave<br>Bellingham, WA 98226     |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                  |          |                                   |                                        |                                   |                              |                                                     |                                                        |     |                             |               |        |         |     |                        |             |     |          |      |       |                      |                             |
| PHONE: (360) 527-0241 FAX:                             |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                  |          |                                   |                                        |                                   |                              |                                                     |                                                        |     |                             |               |        |         |     |                        |             |     |          |      |       |                      |                             |
| P.O. #: 454-001 E-MAIL: pgrabau@farallonconsulting.com |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                  |          |                                   |                                        |                                   |                              |                                                     |                                                        |     |                             |               |        |         |     |                        |             |     |          |      |       |                      |                             |
| INVOICE TO COMPANY: Colony Insurance                   |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                  |          |                                   |                                        |                                   |                              |                                                     |                                                        |     |                             |               |        |         |     |                        |             |     |          |      |       |                      |                             |
| ATTENTION: Carol Lybeer                                |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                  |          |                                   |                                        |                                   |                              |                                                     |                                                        |     |                             |               |        |         |     |                        |             |     |          |      |       |                      |                             |
| ADDRESS:                                               |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                  |          |                                   |                                        |                                   |                              |                                                     |                                                        |     |                             |               |        |         |     |                        |             |     |          |      |       |                      |                             |
| SAMPLE I.D.                                            | DATE     | TIME | TYPE  | LAB# | NWTPH-HCID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NWTPH-DX | NWTPH-GX | BTEX by EPA-8021 | MTBE by EPA-8021 | EPA-8260 | Halogenated Volatiles by EPA-8260 | Volatile Organic Compounds by EPA-8260 | EDB / EDC by EPA-8260 SIM (water) | EDB / EDC by EPA-8260 (soil) | Semivolatile Organic Compounds by EPA-8270          | Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM | PCB | Pesticides by EPA 8081/8082 | Metals-MTCA-5 | RCRA-8 | Pri Pol | TAL | Metals Other (Specify) | TCLP-Metals | VOA | Semi-Vol | Pest | Herbs | NUMBER OF CONTAINERS | RECEIVED IN GOOD CONDITION? |
| 1. MW-15-121813                                        | 12/18/13 | 1253 | Water | 1    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                  |          |                                   |                                        |                                   |                              |                                                     |                                                        |     |                             |               |        |         |     |                        |             |     |          |      |       |                      |                             |
| 2. MW-16-121813                                        |          | 1442 |       | 2    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                  |          |                                   |                                        |                                   |                              |                                                     |                                                        |     |                             |               |        |         |     |                        |             |     |          |      |       |                      |                             |
| 3. MW-14-121813                                        |          | 1555 |       | 3    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                  |          |                                   |                                        |                                   |                              |                                                     |                                                        |     |                             |               |        |         |     |                        |             |     |          |      |       |                      |                             |
| 4. MW-3-121913                                         | 12/19/13 | 0839 |       | 4    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                  |          |                                   |                                        |                                   |                              |                                                     |                                                        |     |                             |               |        |         |     |                        |             |     |          |      |       |                      |                             |
| 5. MW-1-121913                                         |          | 0921 |       | 5    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                  |          |                                   |                                        |                                   |                              |                                                     |                                                        |     |                             |               |        |         |     |                        |             |     |          |      |       |                      |                             |
| 6. MW-10-121913                                        |          | 1021 |       | 6    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                  |          |                                   |                                        |                                   |                              |                                                     |                                                        |     |                             |               |        |         |     |                        |             |     |          |      |       |                      |                             |
| 7. MW-4-121913                                         |          | 1148 |       | 7    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                  |          |                                   |                                        |                                   |                              |                                                     |                                                        |     |                             |               |        |         |     |                        |             |     |          |      |       |                      |                             |
| 8. MW-2-121913                                         |          | 1155 |       | 8    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                  |          |                                   |                                        |                                   |                              |                                                     |                                                        |     |                             |               |        |         |     |                        |             |     |          |      |       |                      |                             |
| 9. MW-8-121913                                         |          | 1335 |       | 9    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                  |          |                                   |                                        |                                   |                              |                                                     |                                                        |     |                             |               |        |         |     |                        |             |     |          |      |       |                      |                             |
| 10. MW-6-121913                                        |          | 1415 |       | 10   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                  |                  |          |                                   |                                        |                                   |                              |                                                     |                                                        |     |                             |               |        |         |     |                        |             |     |          |      |       |                      |                             |

## SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Emerald Edison-Mulhous/Farallon / 12/20/13 1525  
Received By: Shawn Robinson AW 12/20/13 3:25

2. Relinquished By: \_\_\_\_\_

Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*

Organic, Metals & Inorganic Analysis

OTHER:

10 5 3 2 1 SAME DAY

Specify: \_\_\_\_\_

Fuels & Hydrocarbon Analysis

10 5 3 2 1 SAME DAY

\* Turnaround request less than standard may incur Rush Charges



ALS Environmental  
8620 Holly Drive, Suite 100  
Everett, WA 98208  
Phone (425) 356-2600  
Fax (425) 356-2626  
http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EY13120135

Date: 12/20/13 Page 2 Of 2

|                                                        |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                 |  |  |  |
|--------------------------------------------------------|----------|------|-------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-----------------|--|--|--|
| PROJECT ID: 454-001                                    |          |      |       |      | ANALYSIS REQUESTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  | OTHER (Specify) |  |  |  |
| REPORT TO COMPANY: Farallon Consulting                 |          |      |       |      | <input type="checkbox"/> NWTPH-HCID<br><input type="checkbox"/> NWTPH-DX<br><input type="checkbox"/> NWTPH-GX<br><input type="checkbox"/> BTEX by EPA-8021<br><input type="checkbox"/> MTBE by EPA-8021<br><input type="checkbox"/> EPA 8260<br><input type="checkbox"/> Halogenated Volatiles by EPA 8260<br><input type="checkbox"/> Volatile Organic Compounds by EPA 8260<br><input type="checkbox"/> EDB / EDC by EPA 8260 SIM (water)<br><input type="checkbox"/> EDB / EDC by EPA 8260 (soil)<br><input type="checkbox"/> Semivolatile Organic Compounds by EPA 8270<br><input type="checkbox"/> Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM<br><input type="checkbox"/> PCB<br><input type="checkbox"/> Pesticides by EPA 8081/8082<br><input type="checkbox"/> Metals-MTCA-5<br><input type="checkbox"/> RCRA-8<br><input type="checkbox"/> Pri Pol<br><input type="checkbox"/> TAL<br><input type="checkbox"/> Metals Other (Specify)<br><input type="checkbox"/> TCLP-Metals<br><input type="checkbox"/> VOA<br><input type="checkbox"/> Semi-Vol<br><input type="checkbox"/> Pest<br><input type="checkbox"/> Herbs |  |  |  |  |  |  |  |  |  |                 |  |  |  |
| PROJECT MANAGER: Paul Grabau                           |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                 |  |  |  |
| ADDRESS: 1726 Electric Ave<br>Bellingham, WA 98224     |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                 |  |  |  |
| PHONE: (360) 527-0241 FAX:                             |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                 |  |  |  |
| P.O. #: 454-001 E-MAIL: pgrabau@farallonconsulting.com |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                 |  |  |  |
| INVOICE TO COMPANY: Colony Insurance                   |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                 |  |  |  |
| ATTENTION: Carol Lybeer                                |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                 |  |  |  |
| ADDRESS:                                               |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                 |  |  |  |
| SAMPLE I.D.                                            | DATE     | TIME | TYPE  | LAB# |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                 |  |  |  |
| 1. MW-13-121913                                        | 12/19/13 | 1536 | Water | 11   | <div style="background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); width: 100%; height: 100%;"></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                 |  |  |  |
| 2. QAQC-1-121913                                       | 1        | 1836 |       | 12   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                 |  |  |  |
| 3. MW-11-122013                                        | 12/20/13 | 1049 |       | 13   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                 |  |  |  |
| 4. MW-12-122013                                        | 1        | 1224 |       | 14   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                 |  |  |  |
| 5.                                                     |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                 |  |  |  |
| 6.                                                     |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                 |  |  |  |
| 7.                                                     |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                 |  |  |  |
| 8.                                                     |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                 |  |  |  |
| 9.                                                     |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                 |  |  |  |
| 10.                                                    |          |      |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                 |  |  |  |

## SPECIAL INSTRUCTIONS

Results to Farallon (Paul Grabau)

## SIGNATURES (Name, Company, Date, Time)

1. Relinquished By: Emeide Eulsen - Mulango / Farallon / 12/20/13 4:25  
Received By: Shawn Robinson ALS 12/20/13 3:25
2. Relinquished By: \_\_\_\_\_  
Received By: \_\_\_\_\_

## TURNAROUND REQUESTED in Business Days\*

Organic, Metals & Inorganic Analysis

OTHER:

|                              |   |   |          |   |          |
|------------------------------|---|---|----------|---|----------|
| 10                           | 5 | 3 | 2        | 1 | SAME DAY |
| Standard                     |   |   |          |   |          |
| Fuels & Hydrocarbon Analysis |   |   |          |   |          |
| X                            | 3 | 1 | SAME DAY |   |          |
| Standard                     |   |   |          |   |          |

Specify: \_\_\_\_\_

\* Turnaround request less than standard may incur Rush Charges