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## TECHNICAL MEMORANDUM

To: Mr. Aaron Wilcox  
From: David Borys  
Date: May 21, 2017  
Subject: **Handy Mart – March 2017 Groundwater Monitoring Results**

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### INTRODUCTION

HydroCon Environmental, LLC (HydroCon) is submitting this technical memorandum to Wilcox & Flegel to document the work completed at 1410 Ocean Beach Highway in Longview, Washington (the site) in March 2017. The work was conducted according to our Master Services Agreement (MSA), dated July 11, 2014.

### FIELD ACTIVITIES

On March 15, 2017, HydroCon personnel mobilized to the site to perform the groundwater monitoring. Upon arrival at the site, the well cap on each well was removed and the water level was allowed to equilibrate prior to measuring the depth to water (DTW). The depth to water in each well was measured using a clean electronic water level indicator. Water levels were measured at the scribed reference mark (north end of the top of the PVC casing) at each well. A table detailing the groundwater levels and elevations and a figure indicating the groundwater flow direction are included in the attachments (Table 1 and Figure 4).

HydroCon purged monitoring wells MW-1 through MW-3 with a low flow peristaltic pump equipped with new length of LDPE tubing attached to a new length of silicone tubing. Field parameters (pH, temperature, and specific conductivity) were measured and recorded on a Groundwater Sample Collection field form along with the depth to water measurements (Attachment A). Purging was completed when the field parameters had stabilized.

Samples were collected immediately after purging and placed in labeled laboratory-prepared sample bottles. The samples were shipped in an iced cooler along with chain-of-custody documentation to Apex Laboratory in Tigard, Oregon for analysis.

A total of three groundwater samples were collected for laboratory analysis. Each sample was analyzed for the following set of parameters:

- Gasoline Range Petroleum Hydrocarbons (GRPH) by Northwest Method NWTPH-Gx
- Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) by EPA Method 8260B.

Depth to water in the wells ranged from 5.13 to 6.78 feet below top of casing. Groundwater elevations were calculated based on an arbitrary measuring point. Groundwater flows towards the east-south at an approximate gradient of 0.0029 feet/foot between MW-3 and MW-1.

## SAMPLING RESULTS

GRPH and BTEX were not detected at concentrations above their respective laboratory method reporting limits (MRLs) in any of the submitted samples. A summary data table and the laboratory report are included in Table 2 and Attachment B, respectively.

## DISCUSSION

The results of this quarterly groundwater monitoring indicate that all contaminants of concern at all site monitoring wells are below their respective MTCA Method A cleanup level. This is the fourth consecutive quarter where this condition has been observed. Ecology requires four consecutive quarters before a site may be considered for No Further Action (NFA) determination.

Based on the analytical results, HydroCon recommends the following:

- Enter into the Ecology Voluntary Cleanup Program and submit a formal request to Ecology to review site reports and issue an NFA determination for the site.

## QUALIFICATIONS

HydroCon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. HydroCon makes no warranties, either express or implied, regarding the findings, conclusions or recommendations. Please note that HydroCon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report.

Findings and conclusions resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this monitoring. Subsurface conditions may vary from those encountered at specific sampling locations or during other surveys, tests, assessments, investigations, or exploratory services; the data, interpretations and findings are based solely upon data obtained at the time and within the scope of these services.


This report is intended for the sole use of **Wilcox & Flegel**. This report may not be used or relied upon by any other party without the written consent of HydroCon. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations is at the risk of said user.

The conclusions presented in this report are, in part, based upon subsurface sampling performed at selected locations and depths. There may be conditions between borings or samples that differ significantly from those presented in this report and which cannot be predicted by this study.


## CLOSING

We appreciate the opportunity to perform these services for Wilcox & Flegel. Please contact the undersigned at (360) 703-6079 if you have any questions regarding the information provided in this letter report.

Sincerely,

The logo for HydroCon features the word "Hydro" in blue and "Con" in green, with a stylized water drop icon in blue and green between the two words.

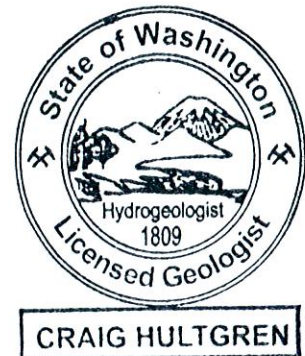
Brian J Pletcher  
Senior Geologist/Project Manager

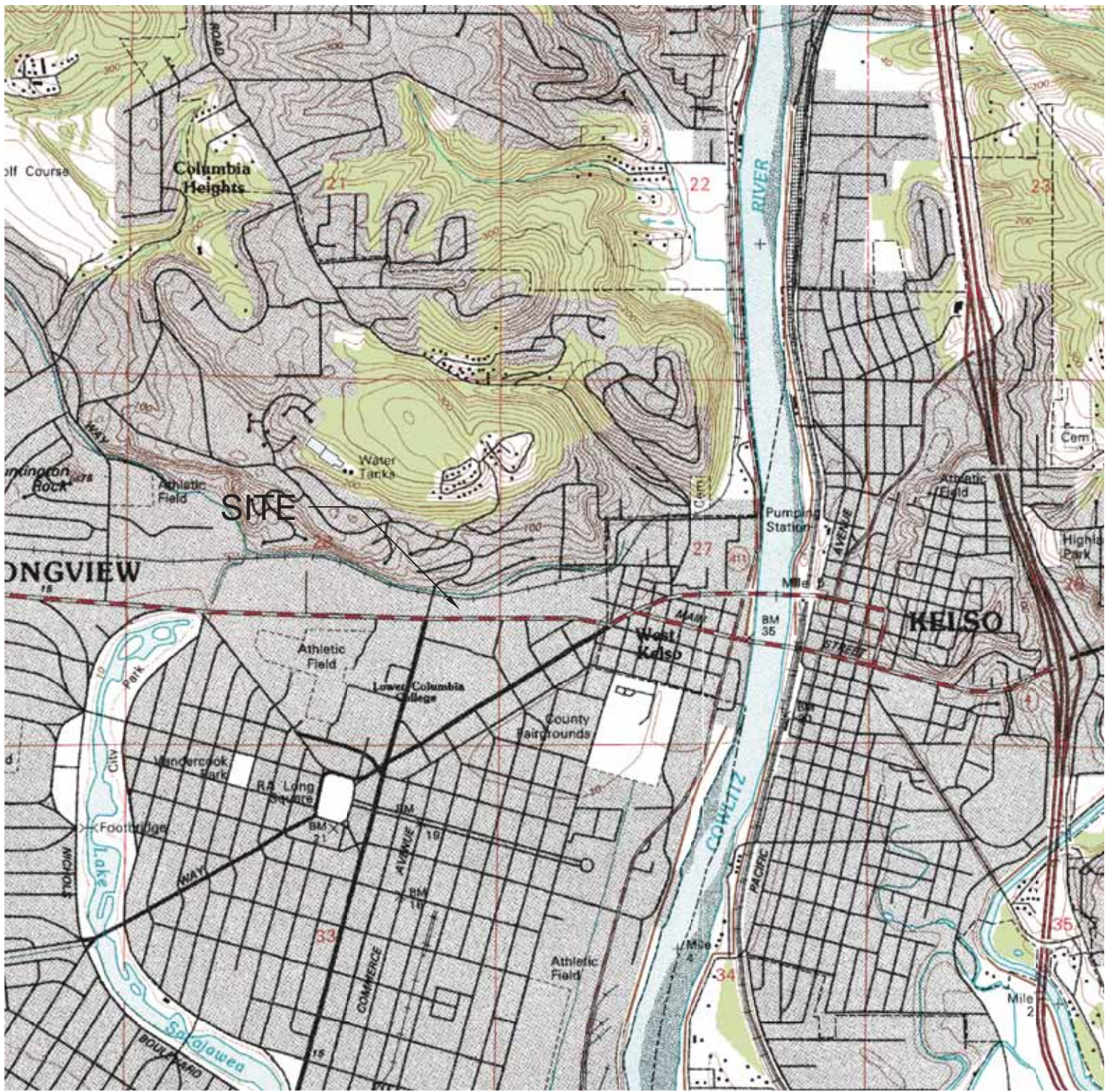


Craig Hultgren, LHG  
Principal Geologist

### Attachments

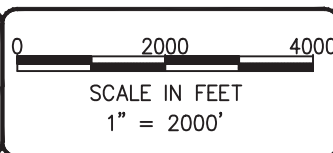
- Figure 1 – Site Location Map
- Figure 2 – Site Features Map
- Figure 3 – Groundwater Analytical Results
- Figure 4 – Groundwater Elevations and Contour Map
- Table 1 – Summary of Groundwater Elevations
- Table 2 – Summary of Groundwater Analytical Results
- Attachment A - Groundwater Sample Collection Field Forms
- Attachment B - Laboratory Report and Chain-of-Custody Documentation





**NOTE(S):**

1. USGS, KELSO QUADRANGLE  
WASHINGTON  
7.5 MINUTE SERIES (TOPOGRAPHIC)





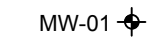
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DWN: JH  
CHK: JH  
APPROVED:  
PRJ. MGR: DB  
PROJECT NO:  
2015-007-01

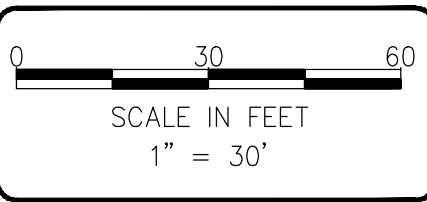
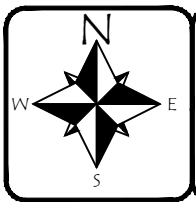
FIGURE 1  
SITE LOCATION  
HANDY MART  
WILCOX & FLEGEL  
1410 OCEAN BEACH HWY  
LONGVIEW, WA

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**LEGEND**

-  PROPERTY BOUNDARY
-  BUILDING
-  MONITORING WELL



DATE: 03-20-17  
 DWN: JH  
 CHK: CD  
 APPROVED:  
 PRJ. MGR: DB  
 PROJECT NO:  
 2015-007-01

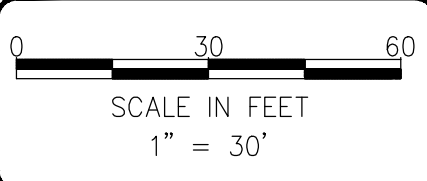
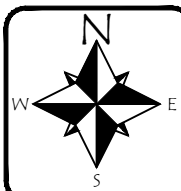
FIGURE 2  
 SITE FEATURES  
 HANDY MART  
 WILCOX & FLEGEL  
 1410 OCEAN BEACH HWY  
 LONGVIEW, WA

| Sample ID                                       |          |      | MW01                 | MW02       | MW03       |      |       |      |
|---|----------|------|----------------------|------------|------------|------|-------|------|
| Lab Sample ID                                   |          |      | A7C0452-02           | A7C0452-03 | A7C0452-01 |      |       |      |
| Collection Date                                 |          |      | 3/15/17              | 3/15/17    | 3/15/17    |      |       |      |
| Parameter                                       | Method   | Unit | Ecology MTCA Level A |            |            |      |       |      |
|   |          |      | Value                | Q          | Value      | Q    | Value | Q    |
| <b>Total Petroleum Hydrocarbons (TPH)</b>       |          |      |                      |            |            |      |       |      |
| TPH Gasoline Range                              | NWTPH-Gx | µg/L | 800                  | <100       | <100       | <100 | <100  | <100 |
| <b>Select Volatile Organic Compounds (VOCs)</b> |          |      |                      |            |            |      |       |      |
| Benzene   | 8021B    | µg/L | 5                    | <0.2       | <0.2       | <0.2 | <0.2  | <0.2 |
| Toluene   | 8021B    | µg/L | 1,000                | <1         | <1         | <1   | <1    | <1   |
| Ethylbenzene                                    | 8021B    | µg/L | 700                  | <0.5       | <0.5       | <0.5 | <0.5  | <0.5 |
| Total Xylenes                                   | 8021B    | µg/L | 1,000                | <1.5       | <1.5       | <1.5 | <1.5  | <1.5 |



**LEGEND**

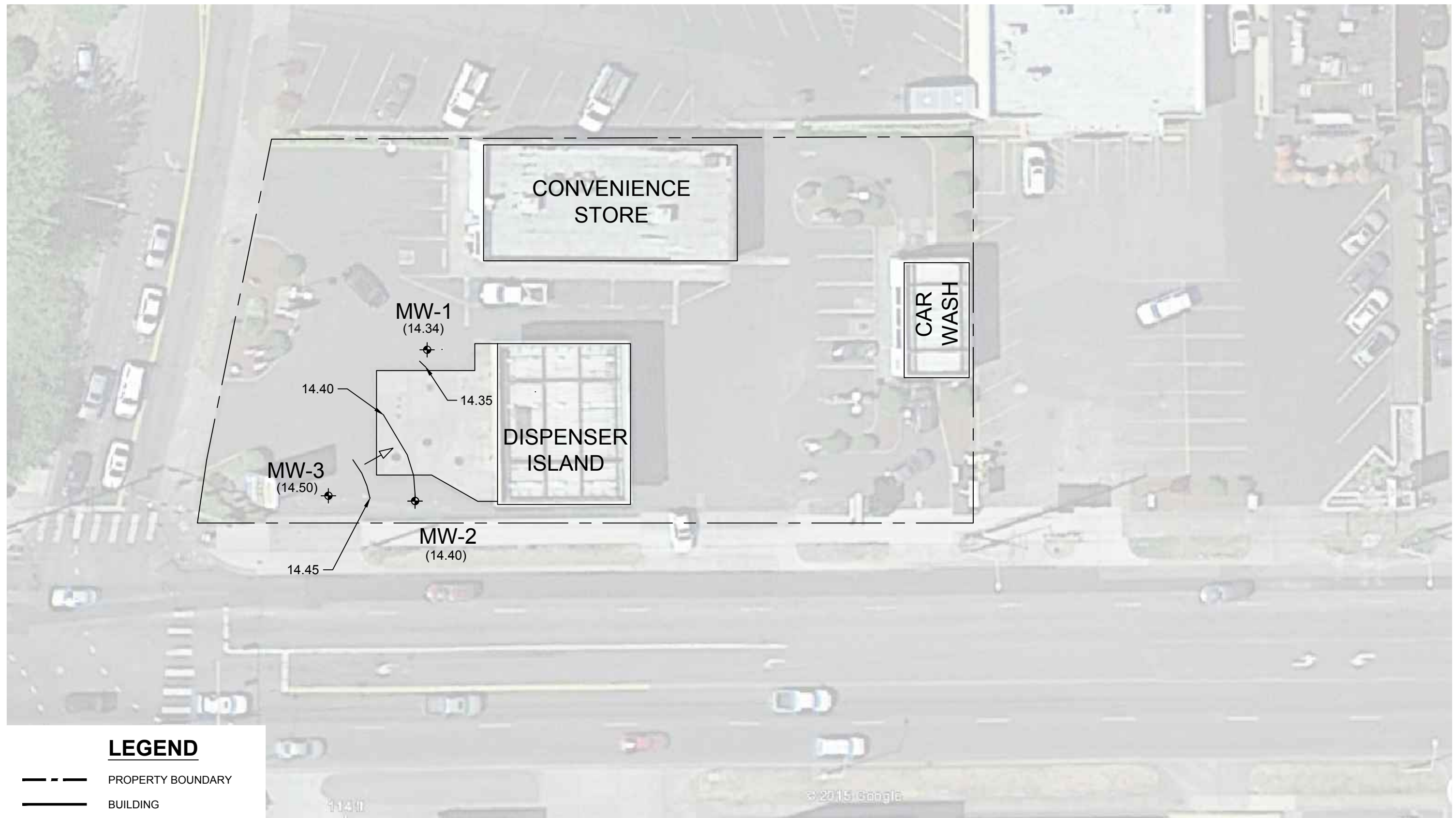
- PROPERTY BOUNDARY
- BUILDING
- MW-01 MONITORING WELL





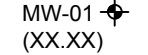
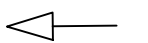

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 DWN: JH  
 CHK: CD  
 APPROVED: BP  
 PRJ. MGR: DB  
 PROJECT NO:  
 2015-007-01

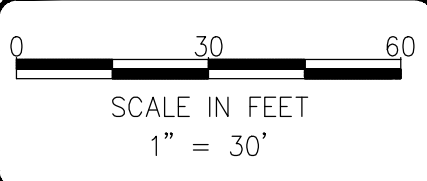
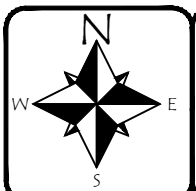
FIGURE 3  
 SUMMARY OF GROUNDWATER ANALYTICAL RESULTS  
 MARCH 2017  
 WILCOX & FLEGEL - HANDY MART  
 1410 OCEAN BEACH HWY  
 LONGVIEW, WA

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### LEGEND

-  PROPERTY BOUNDARY
-  BUILDING
-  MONITORING WELL (GROUNDWATER ELEV.)
-  APPROXIMATE DIRECTION OF GROUNDWATER FLOW
-  GROUNDWATER ELEVATION CONTOUR



DATE: 05-21-17  
 DWN: JH  
 CHK: CD  
 APPROVED: BP  
 PRJ. MGR: DB  
 PROJECT NO:  
 2015-007-01

FIGURE 4.0  
 GROUNDWATER ELEVATION & CONTOUR MAP (MARCH  
 2017) HANDY MART  
 WILCOX & FLEGEL  
 1410 OCEAN BEACH HWY  
 LONGVIEW, WA

**Table 1**  
**Summary of Historical Groundwater Elevations**  
**Handy Mart**  
**Longview, Washington**  
**HydroCon Project Number 2015-007.1**

| Monitoring Well ID | Date     | TOC Elevation | Depth to Water | Groundwater Elevation |
|--------------------|----------|---------------|----------------|-----------------------|
| MW-1               | 4/14/16  | 21.12         | 8.03           | 13.09                 |
|                    | 8/10/16  |               | 10.45          | 10.67                 |
|                    | 11/17/16 |               | 7.93           | 13.19                 |
|                    | 3/15/17  |               | 6.78           | 14.34                 |
| MW-2               | 4/14/16  | 19.98         | 6.79           | 13.19                 |
|                    | 8/10/16  |               | 8.41           | 11.57                 |
|                    | 11/17/16 |               | 6.83           | 13.15                 |
|                    | 3/15/17  |               | 5.58           | 14.40                 |
| MW-3               | 4/14/16  | 19.63         | 6.41           | 13.22                 |
|                    | 8/10/16  |               | 8.02           | 11.61                 |
|                    | 11/17/16 |               | 6.37           | 13.26                 |
|                    | 3/15/17  |               | 5.13           | 14.50                 |

**Notes:**

TOC = Top of well casing



**Table 2**  
**Summary of Groundwater Analytical Results**  
**Handy Mart, Longview, Washington**  
**HydroCon Project Number 2014-007.01**

| Parameter          |              | GRPH [1]   | Benzene [2] | Toluene [2]  | Ethylbenzene [2] | Total Xylenes [2] |
|--------------------|--------------|------------|-------------|--------------|------------------|-------------------|
| Cleanup Level*     |              | <b>800</b> | <b>5</b>    | <b>1,000</b> | <b>700</b>       | <b>1,000</b>      |
| Monitoring Well ID | Date Sampled |            |             |              |                  |                   |
| MW-1               | 9/24/15      | <100       | 6.1         | <1           | <1               | <3                |
|                    | 2/2/16       | <100       | 6.6         | <1           | <1               | <3                |
|                    | 4/14/16      | <100       | 3.7         | <1           | <0.5             | <1.5              |
|                    | 8/10/16      | <100       | 2.2         | <1           | <0.5             | <1.5              |
|                    | 11/17/16     | <100       | 0.314       | <1           | <0.5             | <1.5              |
|                    | 3/15/17      | <100       | <0.2        | <1           | <0.5             | <1.5              |
| MW-2               | 9/24/15      | 460        | <1          | 4.4          | <1               | 3.5               |
|                    | 2/2/16       | <100       | 2.7         | <1           | <1               | <3                |
|                    | 4/14/16      | <100       | 1.41        | <1           | <0.5             | <1.5              |
|                    | 8/10/16      | <100       | <0.2        | <1           | <0.5             | <1.5              |
|                    | 11/17/16     | <100       | <0.2        | <1           | <0.5             | <1.5              |
|                    | 3/15/17      | <100       | <0.2        | <1           | <0.5             | <1.5              |
| MW-3               | 9/24/15      | <100       | <1          | <1           | <1               | <3                |
|                    | 2/2/16       | 210        | <1          | 3.7          | <1               | <3                |
|                    | 4/14/16      | 310        | <0.2        | <1           | <0.5             | <1.5              |
|                    | 8/10/16      | 326        | <0.2        | <1           | <0.5             | <1.5              |
|                    | 11/17/16     | 329        | <0.2        | <1           | <0.5             | <1.5              |
|                    | 3/15/17      | <100       | <0.2        | <1           | <0.5             | <1.5              |

**Notes:**

\* = Washington State Model Toxics Control Act (MTCA) Method A Cleanup Level for Groundwater (rev. October 12, 2007)  
[1] = Gasoline Range Petroleum Hydrocarbons (GRPH) by Northwest Method NWTPH-Gx  
[2] = Volatile Organic Compounds (VOCs) by EPA Methods 8260B  
< = Indicates compound not detected above the laboratory Method Reporting Limit (MRL) shown.  
All values shown are in micrograms per liter (µg/L) (parts per billion).  
Highlighted cell indicates compound detected above cited MTCA Method A Cleanup Level.

**APPENDIX A**  
**GROUNDWATER SAMPLE COLLECTION FIELD FORMS**



# GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: MW01Project Name: Handy Mart  
Hydrocon Project #: 2015-007-01  
Date: 3/15/17Sample I.D.: MW01 Time: 12:25  
Field Duplicate I.D.: - Time: -  
Personnel: Chris Durshel

### WELL INFORMATION

Monument condition:  Good  Needs repair  Water in Monument  
Well cap condition:  Good  Replaced  Needs replacement  Surface Water in Well  
Headspace reading:  Not measured \_\_\_\_\_ ppm  Odor \_\_\_\_\_  
Well diameter:  2-inch  4-inch  6-inch  Other 1"  
Comments: Aluminum Cap

### PURGING INFORMATION

Total well depth 19.06 ft Bottom:  Hard  Soft  Not measured Screen Interval(s): -  
Depth to product NM ft  
Depth to water 5.58 ft Intake Depth (BTOC) 15' Begin Purging Well: 1201  
Casing volume 13.48 ft (H<sub>2</sub>O) X .04 gal/ft = .539 gal. X 3 = 1.62 gal.  
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"=1.47 gal/ft

### PURGING/DISPOSAL METHOD

Pump type  Peristaltic  Centrifugal  Dedicated Bladder  Non-Dedicated Bladder Other \_\_\_\_\_  
Bailer type: \_\_\_\_\_ Water Disposal:  Drummed  Remediation System  Other Bucketed

### FIELD PARAMETERS

Odor and/or Sheen: \_\_\_\_\_

| Time  | Water Level (BTOC) | Purge Rate (L/min) | Temp. (°C) | Sp. Cond. (mS/cm) (±3%) | Dissolved Oxygen (±10% or ≤1.00 ±0.2) | pH (SU) (±0.1) | ORP (mV) | Turbidity (NTU) (±10% or ≤10) |
|---|--------------------|--------------------|------------|-------------------------|---------------------------------------|----------------|----------|-------------------------------|
| 1205  | X                  | .05                | 13.84      | .509                    | 5.34                                  | 5.77           | 31.4     | orange                        |
| 1207  |                    |                    | 13.81      | .578                    | 4.95                                  | 5.76           | 17.3     |                               |
| 1211  |                    |                    | 13.81      | .569                    | 4.83                                  | 5.76           | 5.7      |                               |
| 1214  |                    |                    | 13.92      | .560                    | 4.75                                  | 5.76           | -2.5     | clear                         |
| 1217  |                    |                    | 13.84      | .549                    | 4.70                                  | 5.75           | -9.4     |                               |
| 1220  |                    |                    | 13.81      | .538                    | 4.67                                  | 5.74           | -14.1    |                               |
| 1223  | 6.13               |                    | 13.82      | .531                    | 4.66                                  | 5.74           | -17.5    |                               |
| <u>Sample @ 1225</u><br><u>No odor or Sheen</u> |                    |                    |            |                         |                                       |                |          |                               |

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity or Dissolved Oxygen are recorded within their perspective stabilization criteria. A minimum of six measurements should be recorded.

Purging Comments: Initially orange w/ abundant algae in purge water

### SAMPLE INFORMATION

| Container Type | Bottle Count | Preservative | Field Filtered? | Analysis |
|----------------|--------------|--------------|-----------------|----------|
| 40ml VOA       | 3            | HCl          | (No) 0.45 0.10  | Gx/BTEX  |
|                |              |              | No 0.45 0.10    |          |
|                |              |              | No 0.45 0.10    |          |
|                |              |              | No 0.45 0.10    |          |
|                |              |              | No 0.45 0.10    |          |

Sampling Comments: \_\_\_\_\_



# GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: MW02

Project Name: Humby Mart      Sample I.D. MW02      Time: 1300  
 Hydrocon Project #: 2015-007-01      Field Duplicate I.D. -      Time: -  
 Date 3/15/17      Personnel: Chris Duschel

### WELL INFORMATION

Monument condition:  Good     Needs repair     Water in Monument  
 Well cap condition:  Good     Replaced     Needs replacement     Surface Water in Well  
 Headspace reading:  Not measured    ppm     Odor: \_\_\_\_\_  
 Well diameter:     2-inch     4-inch     6-inch     Other 1"  
 Comments Aluminum cap

### PURGING INFORMATION

Total well depth 19.50 ft    Bottom:  Hard     Soft     Not measured    Screen Interval(s): -  
 Depth to product NM ft  
 Depth to water 5.13 ft    Intake Depth (BTOC) 15'    Begin Purging Well: 1240  
 Casing volume 14.37 ft (H<sub>2</sub>O) X .04 gal/ft = 0.575 gal. X 3 = 1.725 gal.  
 Volume Conversion Factors: 3/4"=0.02 gal/ft    1"=0.04 gal/ft    2"=0.16 gal/ft    4"=0.65 gal/ft    6"= 1.47 gal/ft

### PURGING/DISPOSAL METHOD

Pump type  Peristaltic     Centrifugal     Dedicated Bladder     Non-Dedicated Bladder    Other \_\_\_\_\_  
 Bailer type: \_\_\_\_\_    Water Disposal:  Drummed     Remediation System     Other Sanitized

### FIELD PARAMETERS

Odor and/or Sheen: \_\_\_\_\_

| Time  | Water Level (BTOC) | Purge Rate (L/min) | Temp. (°C) | Sp. Cond. (mS/cm) (±3%) | Dissolved Oxygen (±10% or ≤1.00 ±0.2) | pH (SU) (±0.1) | ORP (mV) | Turbidity (NTU) (± 10% or ≤10) |
|---|--------------------|--------------------|------------|-------------------------|---------------------------------------|----------------|----------|--------------------------------|
| 1243  | X                  | .05                | 12.15      | .126                    | 5.08                                  | 5.83           | -2.6     | orange                         |
| 1246  | ↓                  |                    | 12.17      | .120                    | 4.95                                  | 5.83           | -17.2    |                                |
| 1249  |                    |                    | 12.18      | .115                    | 4.87                                  | 5.81           | -20.4    | clear                          |
| 1252  |                    |                    | 12.21      | .111                    | 4.84                                  | 5.81           | -23.5    |                                |
| 1255  |                    |                    | 12.20      | .110                    | 4.79                                  | 5.81           | -27.0    |                                |
| 1258  |                    |                    | 12.20      | .108                    | 4.81                                  | 5.80           | -31.2    |                                |
| <div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block;">           Sample @ 1300         </div> |                    |                    |            |                         |                                       |                |          |                                |
| Clear + No odor/sheen   |                    |                    |            |                         |                                       |                |          |                                |

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity or Dissolved Oxygen are recorded within their perspective stabilization criteria. A minimum of six measurements should be recorded.

Purging Comments: \_\_\_\_\_

### SAMPLE INFORMATION

| Container Type | Bottle Count | Preservative | Field Filtered?                                  | Analysis   |
|----------------|--------------|--------------|--|------------|
| 40 ml VOA      | 3            | HCl          | <input checked="" type="checkbox"/> No 0.45 0.10 | G-X / BTEX |
|                |              |              | <input type="checkbox"/> No 0.45 0.10            |            |
|                |              |              | <input type="checkbox"/> No 0.45 0.10            |            |
|                |              |              | <input type="checkbox"/> No 0.45 0.10            |            |
|                |              |              | <input type="checkbox"/> No 0.45 0.10            |            |

Sampling Comments: \_\_\_\_\_



## GROUNDWATER SAMPLE COLLECTION FORM

Well I.D. Number: MW03

Project Name: Handy Mart      Sample I.D. MW03      Time: 1330  
 Hydrocon Project #: 2015-007-01      Field Duplicate I.D. -      Time: -  
 Date: 3/15/17      Personnel: Chris Duxhel

### WELL INFORMATION

Monument condition:  Good     Needs repair     Water in Monument  
 Well cap condition:  Good     Replaced     Needs replacement     Surface Water in Well  
 Headspace reading:  Not measured    \_\_\_\_\_ ppm     Odor: \_\_\_\_\_  
 Well diameter:     2-inch     4-inch     6-inch     Other 1"  
 Comments: \_\_\_\_\_

### PURGING INFORMATION

Total well depth 19.15 ft    Bottom:  Hard     Soft     Not measured    Screen Interval(s): -  
 Depth to product NM ft  
 Depth to water 6.78 ft    Intake Depth (BTOC) 15'    Begin Purging Well: 1313  
 Casing volume 12.37 ft (H<sub>2</sub>O) X .04 gal/ft = .495 gal. X 3 = 1.485 gal.  
 Volume Conversion Factors: 3/4"=0.02 gal/ft    1"=0.04 gal/ft    2"=0.16 gal/ft    4"=0.65 gal/ft    6"= 1.47 gal/ft

### PURGING/DISPOSAL METHOD

Pump type  Peristaltic     Centrifugal     Dedicated Bladder     Non-Dedicated Bladder    Other: \_\_\_\_\_  
 Bailer type: \_\_\_\_\_    Water Disposal:  Drummed     Remediation System     Other Bucketed

### FIELD PARAMETERS

Odor and/or Sheen: \_\_\_\_\_

| Time          | Water Level (BTOC) | Purge Rate (L/min) | Temp. (°C) | Sp. Cond. (mS/cm) (±3%) | Dissolved Oxygen (±10% or ≤1.00 ±0.2) | pH (SU) (±0.1) | ORP (mV) | Turbidity (NTU) (± 10% or ≤10) |
|---------------|--------------------|--------------------|------------|-------------------------|---------------------------------------|----------------|----------|--------------------------------|
| 1315          | X                  | .08                | 14.34      | .451                    | 4.86                                  | 5.78           | 90       | Clear w/ some red algae        |
| 1318          | ↓                  |                    | 14.32      | .453                    | 4.80                                  | 5.76           | 56.2     |                                |
| 1321          |                    |                    | 14.48      | .507                    | 4.68                                  | 5.73           | -10.7    |                                |
| 1324          |                    |                    | 14.57      | .508                    | 4.61                                  | 5.72           | -34.1    |                                |
| 1327          |                    |                    | 14.73      | .508                    | 4.40                                  | 5.72           | -65.2    |                                |
| 1330          |                    |                    | 14.76      | .507                    | 4.44                                  | 5.72           | -79.5    |                                |
| Sample @ 1330 |                    |                    |            |                         |                                       |                |          |                                |

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity or Dissolved Oxygen are recorded within their perspective stabilization criteria. A minimum of six measurements should be recorded.

Purging Comments: \_\_\_\_\_

### SAMPLE INFORMATION

| Container Type | Bottle Count | Preservative | Field Filtered? | Analysis  |
|----------------|--------------|--------------|-----------------|-----------|
| 40ml VOA       | 3            | HCl          | No 0.45 0.10    | Grx/ BTEX |
|                |              |              | No 0.45 0.10    |           |
|                |              |              | No 0.45 0.10    |           |
|                |              |              | No 0.45 0.10    |           |
|                |              |              | No 0.45 0.10    |           |

Sampling Comments: \_\_\_\_\_

**APPENDIX B**

**LABORATORY REPORT AND CHAIN-OF-CUSTODY  
DOCUMENTATION**

# Apex Labs

12232 S.W. Garden Place  
Tigard, OR 97223  
503-718-2323 Phone  
503-718-0333 Fax

Monday, March 20, 2017

Dave Borys  
HydroCon LLC  
510 Allen St. Suite B  
Kelso, WA 98626

RE: Handy Mart / 2015-007-01

Enclosed are the results of analyses for work order A7C0452, which was received by the laboratory on 3/15/2017 at 3:11:00PM.

Thank you for using Apex Labs. We appreciate your business and strive to provide the highest quality services to the environmental industry.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: [ldomenighini@apex-labs.com](mailto:ldomenighini@apex-labs.com), or by phone at 503-718-2323.

---

Apex Laboratories



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

---

Lisa Domenighini, Client Services Manager

HydroCon LLC  
510 Allen St. Suite B  
Kelso, WA 98626

Project: **Handy Mart**  
Project Number: 2015-007-01  
Project Manager: Dave Borys

Reported:  
03/20/17 13:46

## ANALYTICAL REPORT FOR SAMPLES

### SAMPLE INFORMATION

| Sample ID | PDF Ammended | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|-----------|--------------|---------------|--------|----------------|----------------|
| MW01      | = MW02       | A7C0452-01    | Water  | 03/15/17 12:25 | 03/15/17 15:11 |
| MW02      | = MW03       | A7C0452-02    | Water  | 03/15/17 13:00 | 03/15/17 15:11 |
| MW03      | = MW01       | A7C0452-03    | Water  | 03/15/17 13:30 | 03/15/17 15:11 |

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Lisa Domenighini, Client Services Manager



HydroCon LLC  
 510 Allen St. Suite B  
 Kelso, WA 98626

Project: **Handy Mart**  
 Project Number: 2015-007-01  
 Project Manager: Dave Borys

Reported:  
 03/20/17 13:46

## ANALYTICAL SAMPLE RESULTS

### Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

| Analyte                                      | Result | MDL | Reporting              |                         | Dilution              | Date Analyzed  | Method        | Notes |
|--|--------|-----|------------------------|-------------------------|-----------------------|----------------|---------------|-------|
|  |        |     | Limit                  | Units                   |                       |                |               |       |
| <b>MW01 (A7C0452-01)</b>                     |        |     | <b>Matrix: Water</b>   |                         | <b>Batch: 7030716</b> |                |               |       |
| Gasoline Range Organics                      | ND     | --- | 100                    | ug/L                    | 1                     | 03/16/17 20:11 | NWTPH-Gx (MS) |       |
| <i>Surrogate: 4-Bromofluorobenzene (Sur)</i> |        |     | <i>Recovery: 108 %</i> | <i>Limits: 50-150 %</i> | "                     | "              | "             |       |
| <i>1,4-Difluorobenzene (Sur)</i>             |        |     | <i>107 %</i>           | <i>Limits: 50-150 %</i> | "                     | "              | "             |       |
| <b>MW02 (A7C0452-02)</b>                     |        |     | <b>Matrix: Water</b>   |                         | <b>Batch: 7030716</b> |                |               |       |
| Gasoline Range Organics                      | ND     | --- | 100                    | ug/L                    | 1                     | 03/16/17 21:05 | NWTPH-Gx (MS) |       |
| <i>Surrogate: 4-Bromofluorobenzene (Sur)</i> |        |     | <i>Recovery: 107 %</i> | <i>Limits: 50-150 %</i> | "                     | "              | "             |       |
| <i>1,4-Difluorobenzene (Sur)</i>             |        |     | <i>106 %</i>           | <i>Limits: 50-150 %</i> | "                     | "              | "             |       |
| <b>MW03 (A7C0452-03)</b>                     |        |     | <b>Matrix: Water</b>   |                         | <b>Batch: 7030716</b> |                |               |       |
| Gasoline Range Organics                      | ND     | --- | 100                    | ug/L                    | 1                     | 03/16/17 20:38 | NWTPH-Gx (MS) |       |
| <i>Surrogate: 4-Bromofluorobenzene (Sur)</i> |        |     | <i>Recovery: 106 %</i> | <i>Limits: 50-150 %</i> | "                     | "              | "             |       |
| <i>1,4-Difluorobenzene (Sur)</i>             |        |     | <i>106 %</i>           | <i>Limits: 50-150 %</i> | "                     | "              | "             |       |

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Lisa Domenighini, Client Services Manager

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HydroCon LLC  
510 Allen St. Suite B  
Kelso, WA 98626

Project: **Handy Mart**  
Project Number: 2015-007-01  
Project Manager: Dave Borys

Reported:  
03/20/17 13:46

## ANALYTICAL SAMPLE RESULTS

### BTEX Compounds by EPA 8260B

| Analyte                                      | Result | MDL | Reporting              |                         | Dilution              | Date Analyzed  | Method    | Notes |
|--|--------|-----|------------------------|-------------------------|-----------------------|----------------|-----------|-------|
|  |        |     | Limit                  | Units                   |                       |                |           |       |
| <b>MW01 (A7C0452-01)</b>                     |        |     | <b>Matrix: Water</b>   |                         | <b>Batch: 7030716</b> |                |           |       |
| Benzene                                      | ND     | --- | 0.200                  | ug/L                    | 1                     | 03/16/17 20:11 | EPA 8260B |       |
| Toluene                                      | ND     | --- | 1.00                   | "                       | "                     | "              | "         |       |
| Ethylbenzene                                 | ND     | --- | 0.500                  | "                       | "                     | "              | "         |       |
| Xylenes, total                               | ND     | --- | 1.50                   | "                       | "                     | "              | "         |       |
| <i>Surrogate: 1,4-Difluorobenzene (Surr)</i> |        |     | <i>Recovery: 109 %</i> | <i>Limits: 80-120 %</i> | "                     | "              | "         |       |
| <i>Toluene-d8 (Surr)</i>                     |        |     | <i>101 %</i>           | <i>Limits: 80-120 %</i> | "                     | "              | "         |       |
| <i>4-Bromofluorobenzene (Surr)</i>           |        |     | <i>93 %</i>            | <i>Limits: 80-120 %</i> | "                     | "              | "         |       |
| <b>MW02 (A7C0452-02)</b>                     |        |     | <b>Matrix: Water</b>   |                         | <b>Batch: 7030716</b> |                |           |       |
| Benzene                                      | ND     | --- | 0.200                  | ug/L                    | 1                     | 03/16/17 21:05 | EPA 8260B |       |
| Toluene                                      | ND     | --- | 1.00                   | "                       | "                     | "              | "         |       |
| Ethylbenzene                                 | ND     | --- | 0.500                  | "                       | "                     | "              | "         |       |
| Xylenes, total                               | ND     | --- | 1.50                   | "                       | "                     | "              | "         |       |
| <i>Surrogate: 1,4-Difluorobenzene (Surr)</i> |        |     | <i>Recovery: 107 %</i> | <i>Limits: 80-120 %</i> | "                     | "              | "         |       |
| <i>Toluene-d8 (Surr)</i>                     |        |     | <i>100 %</i>           | <i>Limits: 80-120 %</i> | "                     | "              | "         |       |
| <i>4-Bromofluorobenzene (Surr)</i>           |        |     | <i>91 %</i>            | <i>Limits: 80-120 %</i> | "                     | "              | "         |       |
| <b>MW03 (A7C0452-03)</b>                     |        |     | <b>Matrix: Water</b>   |                         | <b>Batch: 7030716</b> |                |           |       |
| Benzene                                      | ND     | --- | 0.200                  | ug/L                    | 1                     | 03/16/17 20:38 | EPA 8260B |       |
| Toluene                                      | ND     | --- | 1.00                   | "                       | "                     | "              | "         |       |
| Ethylbenzene                                 | ND     | --- | 0.500                  | "                       | "                     | "              | "         |       |
| Xylenes, total                               | ND     | --- | 1.50                   | "                       | "                     | "              | "         |       |
| <i>Surrogate: 1,4-Difluorobenzene (Surr)</i> |        |     | <i>Recovery: 107 %</i> | <i>Limits: 80-120 %</i> | "                     | "              | "         |       |
| <i>Toluene-d8 (Surr)</i>                     |        |     | <i>99 %</i>            | <i>Limits: 80-120 %</i> | "                     | "              | "         |       |
| <i>4-Bromofluorobenzene (Surr)</i>           |        |     | <i>91 %</i>            | <i>Limits: 80-120 %</i> | "                     | "              | "         |       |

Apex Laboratories



Lisa Domenighini, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

|   |  |                                    |
|---|--|------------------------------------|
| <b>HydroCon LLC</b><br>510 Allen St. Suite B<br>Kelso, WA 98626 | Project: <b>Handy Mart</b><br>Project Number: 2015-007-01<br>Project Manager: Dave Borys | <b>Reported:</b><br>03/20/17 13:46 |
|---|--|------------------------------------|

## QUALITY CONTROL (QC) SAMPLE RESULTS

### Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

| Analyte                                    | Result | MDL                    | Reporting Limit | Units                   | Dil. | Spike Amount                                      | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|------------------------|-----------------|-------------------------|------|---|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 7030716 - EPA 5030B</b>           |        |                        |                 |                         |      | <b>Water</b>                                      |               |      |             |     |           |       |
| <b>Blank (7030716-BLK1)</b>                |        |                        |                 |                         |      | Prepared: 03/16/17 16:59 Analyzed: 03/16/17 19:17 |               |      |             |     |           |       |
| <b>NWTPH-Gx (MS)</b>                       |        |                        |                 |                         |      |   |               |      |             |     |           |       |
| Gasoline Range Organics                    | ND     | ---                    | 100             | ug/L                    | 1    | ---   | ---           | ---  | ---         | --- | ---       | ---   |
| <i>Surr: 4-Bromofluorobenzene (Sur)</i>    |        | <i>Recovery: 104 %</i> |                 | <i>Limits: 50-150 %</i> |      | <i>Dilution: 1x</i>                               |               |      |             |     |           |       |
| <i>1,4-Difluorobenzene (Sur)</i>           |        | <i>105 %</i>           |                 | <i>50-150 %</i>         |      | <i>"</i>  |               |      |             |     |           |       |
| <b>LCS (7030716-BS2)</b>                   |        |                        |                 |                         |      | Prepared: 03/16/17 16:59 Analyzed: 03/16/17 18:49 |               |      |             |     |           |       |
| <b>NWTPH-Gx (MS)</b>                       |        |                        |                 |                         |      |   |               |      |             |     |           |       |
| Gasoline Range Organics                    | 528    | ---                    | 100             | ug/L                    | 1    | 500   | ---           | 106  | 70-130%     | --- | ---       |       |
| <i>Surr: 4-Bromofluorobenzene (Sur)</i>    |        | <i>Recovery: 106 %</i> |                 | <i>Limits: 50-150 %</i> |      | <i>Dilution: 1x</i>                               |               |      |             |     |           |       |
| <i>1,4-Difluorobenzene (Sur)</i>           |        | <i>100 %</i>           |                 | <i>50-150 %</i>         |      | <i>"</i>  |               |      |             |     |           |       |
| <b>Duplicate (7030716-DUP1)</b>            |        |                        |                 |                         |      | Prepared: 03/16/17 18:13 Analyzed: 03/16/17 21:32 |               |      |             |     |           |       |
| <b>QC Source Sample: MW02 (A7C0452-02)</b> |        |                        |                 |                         |      |   |               |      |             |     |           |       |
| <b>NWTPH-Gx (MS)</b>                       |        |                        |                 |                         |      |   |               |      |             |     |           |       |
| Gasoline Range Organics                    | ND     | ---                    | 100             | ug/L                    | 1    | ---   | ND            | ---  | ---         | --- | 30%       |       |
| <i>Surr: 4-Bromofluorobenzene (Sur)</i>    |        | <i>Recovery: 104 %</i> |                 | <i>Limits: 50-150 %</i> |      | <i>Dilution: 1x</i>                               |               |      |             |     |           |       |
| <i>1,4-Difluorobenzene (Sur)</i>           |        | <i>107 %</i>           |                 | <i>50-150 %</i>         |      | <i>"</i>  |               |      |             |     |           |       |



HydroCon LLC  
 510 Allen St. Suite B  
 Kelso, WA 98626

Project: **Handy Mart**  
 Project Number: 2015-007-01  
 Project Manager: Dave Borys

Reported:  
 03/20/17 13:46

## QUALITY CONTROL (QC) SAMPLE RESULTS

### BTEX Compounds by EPA 8260B

| Analyte                                    | Result | MDL | Reporting Limit        | Units                   | Dil. | Spike Amount                                      | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----|------------------------|-------------------------|------|---|---------------|------|-------------|-----|-----------|-------|
| <b>Batch 7030716 - EPA 5030B</b>           |        |     |                        |                         |      | <b>Water</b>                                      |               |      |             |     |           |       |
| <b>Blank (7030716-BLK1)</b>                |        |     |                        |                         |      | Prepared: 03/16/17 16:59 Analyzed: 03/16/17 19:17 |               |      |             |     |           |       |
| <b>EPA 8260B</b>                           |        |     |                        |                         |      |   |               |      |             |     |           |       |
| Benzene                                    | ND     | --- | 0.200                  | ug/L                    | 1    | ---   | ---           | ---  | ---         | --- | ---       | ---   |
| Toluene                                    | ND     | --- | 1.00                   | "                       | "    | ---   | ---           | ---  | ---         | --- | ---       | ---   |
| Ethylbenzene                               | ND     | --- | 0.500                  | "                       | "    | ---   | ---           | ---  | ---         | --- | ---       | ---   |
| Xylenes, total                             | ND     | --- | 1.50                   | "                       | "    | ---   | ---           | ---  | ---         | --- | ---       | ---   |
| <i>Surr: 1,4-Difluorobenzene (Surr)</i>    |        |     | <i>Recovery: 106 %</i> | <i>Limits: 80-120 %</i> |      | <i>Dilution: 1x</i>                               |               |      |             |     |           |       |
| <i>Toluene-d8 (Surr)</i>                   |        |     | <i>100 %</i>           | <i>80-120 %</i>         |      | <i>"</i>  |               |      |             |     |           |       |
| <i>4-Bromofluorobenzene (Surr)</i>         |        |     | <i>92 %</i>            | <i>80-120 %</i>         |      | <i>"</i>  |               |      |             |     |           |       |
| <b>LCS (7030716-BS1)</b>                   |        |     |                        |                         |      | Prepared: 03/16/17 16:59 Analyzed: 03/16/17 18:22 |               |      |             |     |           |       |
| <b>EPA 8260B</b>                           |        |     |                        |                         |      |   |               |      |             |     |           |       |
| Benzene                                    | 20.4   | --- | 0.200                  | ug/L                    | 1    | 20.0  | ---           | 102  | 70-130%     | --- | ---       | ---   |
| Toluene                                    | 18.7   | --- | 1.00                   | "                       | "    | "   | ---           | 93   | "           | --- | ---       | ---   |
| Ethylbenzene                               | 20.4   | --- | 0.500                  | "                       | "    | "   | ---           | 102  | "           | --- | ---       | ---   |
| Xylenes, total                             | 62.4   | --- | 1.50                   | "                       | "    | 60.0  | ---           | 104  | "           | --- | ---       | ---   |
| <i>Surr: 1,4-Difluorobenzene (Surr)</i>    |        |     | <i>Recovery: 104 %</i> | <i>Limits: 80-120 %</i> |      | <i>Dilution: 1x</i>                               |               |      |             |     |           |       |
| <i>Toluene-d8 (Surr)</i>                   |        |     | <i>96 %</i>            | <i>80-120 %</i>         |      | <i>"</i>  |               |      |             |     |           |       |
| <i>4-Bromofluorobenzene (Surr)</i>         |        |     | <i>90 %</i>            | <i>80-120 %</i>         |      | <i>"</i>  |               |      |             |     |           |       |
| <b>Duplicate (7030716-DUP1)</b>            |        |     |                        |                         |      | Prepared: 03/16/17 18:13 Analyzed: 03/16/17 21:32 |               |      |             |     |           |       |
| <b>QC Source Sample: MW02 (A7C0452-02)</b> |        |     |                        |                         |      |   |               |      |             |     |           |       |
| <b>EPA 8260B</b>                           |        |     |                        |                         |      |   |               |      |             |     |           |       |
| Benzene                                    | ND     | --- | 0.200                  | ug/L                    | 1    | ---   | ND            | ---  | ---         | --- | ---       | 30%   |
| Toluene                                    | ND     | --- | 1.00                   | "                       | "    | ---   | ND            | ---  | ---         | --- | ---       | 30%   |
| Ethylbenzene                               | ND     | --- | 0.500                  | "                       | "    | ---   | ND            | ---  | ---         | --- | ---       | 30%   |
| Xylenes, total                             | ND     | --- | 1.50                   | "                       | "    | ---   | ND            | ---  | ---         | --- | ---       | 30%   |
| <i>Surr: 1,4-Difluorobenzene (Surr)</i>    |        |     | <i>Recovery: 108 %</i> | <i>Limits: 80-120 %</i> |      | <i>Dilution: 1x</i>                               |               |      |             |     |           |       |
| <i>Toluene-d8 (Surr)</i>                   |        |     | <i>101 %</i>           | <i>80-120 %</i>         |      | <i>"</i>  |               |      |             |     |           |       |
| <i>4-Bromofluorobenzene (Surr)</i>         |        |     | <i>91 %</i>            | <i>80-120 %</i>         |      | <i>"</i>  |               |      |             |     |           |       |



|   |  |                                    |
|---|--|------------------------------------|
| <b>HydroCon LLC</b><br>510 Allen St. Suite B<br>Kelso, WA 98626 | Project: <b>Handy Mart</b><br>Project Number: 2015-007-01<br>Project Manager: Dave Borys | <b>Reported:</b><br>03/20/17 13:46 |
|---|--|------------------------------------|

## SAMPLE PREPARATION INFORMATION

### Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

**Prep: EPA 5030B**

| Lab Number            | Matrix | Method        | Sampled        | Prepared       | Sample Initial/Final | Default Initial/Final | RL Prep Factor |
|-----------------------|--------|---------------|----------------|----------------|----------------------|-----------------------|----------------|
| <b>Batch: 7030716</b> |        |               |                |                |                      |                       |                |
| A7C0452-01            | Water  | NWTPH-Gx (MS) | 03/15/17 12:25 | 03/16/17 18:13 | 5mL/5mL              | 5mL/5mL               | 1.00           |
| A7C0452-02            | Water  | NWTPH-Gx (MS) | 03/15/17 13:00 | 03/16/17 18:13 | 5mL/5mL              | 5mL/5mL               | 1.00           |
| A7C0452-03            | Water  | NWTPH-Gx (MS) | 03/15/17 13:30 | 03/16/17 18:13 | 5mL/5mL              | 5mL/5mL               | 1.00           |

### BTEX Compounds by EPA 8260B

**Prep: EPA 5030B**

| Lab Number            | Matrix | Method    | Sampled        | Prepared       | Sample Initial/Final | Default Initial/Final | RL Prep Factor |
|-----------------------|--------|-----------|----------------|----------------|----------------------|-----------------------|----------------|
| <b>Batch: 7030716</b> |        |           |                |                |                      |                       |                |
| A7C0452-01            | Water  | EPA 8260B | 03/15/17 12:25 | 03/16/17 18:13 | 5mL/5mL              | 5mL/5mL               | 1.00           |
| A7C0452-02            | Water  | EPA 8260B | 03/15/17 13:00 | 03/16/17 18:13 | 5mL/5mL              | 5mL/5mL               | 1.00           |
| A7C0452-03            | Water  | EPA 8260B | 03/15/17 13:30 | 03/16/17 18:13 | 5mL/5mL              | 5mL/5mL               | 1.00           |



HydroCon LLC  
510 Allen St. Suite B  
Kelso, WA 98626

Project: **Handy Mart**  
Project Number: 2015-007-01  
Project Manager: Dave Borys

Reported:  
03/20/17 13:46

## Notes and Definitions

### Qualifiers:

### Notes and Conventions:

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis. Results listed as 'wet' or without 'dry' designation are not dry weight corrected.
- RPD Relative Percent Difference
- MDL If MDL is not listed, data has been evaluated to the Method Reporting Limit only.
- WMSC Water Miscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.
- Batch QC Unless specifically requested, this report contains only results for Batch QC derived from client samples included in this report. All analyses were performed with the appropriate Batch QC (including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates) in order to meet or exceed method and regulatory requirements. Any exceptions to this will be qualified in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.
- Blank Policy Apex assesses blank data for potential high bias down to a level equal to ½ the method reporting limit (MRL), except for conventional chemistry and HCID analyses which are assessed only to the MRL. Sample results flagged with a B or B-02 qualifier are potentially biased high if they are less than ten times the level found in the blank for inorganic analyses or less than five times the level found in the blank for organic analyses.
- For accurate comparison of volatile results to the level found in the blank; water sample results should be divided by the dilution factor, and soil sample results should be divided by 1/50 of the sample dilution to account for the sample prep factor.
- Results qualified as reported below the MRL may include a potential high bias if associated with a B or B-02 qualified blank. B and B-02 qualifications are not applied to J qualified results reported below the MRL.
- QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.
- \*\*\* Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Apex Laboratories



Lisa Domenighini, Client Services Manager

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HydroCon LLC  
510 Allen St. Suite B  
Kelso, WA 98626

Project: **Handy Mart**  
Project Number: 2015-007-01  
Project Manager: Dave Borys

Reported:  
03/20/17 13:46

**APEX LABS**      **CHAIN OF CUSTODY**      Lab # AK0452      COC 1 of 1

12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333

Company: HydroCon Environmental LLC      Project Mgr: Dave Borys      Project Name: Handy Mart      Project # 2015-007-01  
 Address: 510 Allen Street Suite B Kelso WA 98626      Phone: (509) 703-6074      Fax: (509) 703-6086      Email: daveb@hydroconllc.net  
 Sampled by: Chris Dorschel      Email: chrisd@hydroconllc.net

Site Location: OR      Other: WA

| LAB ID # | DATE  | TIME | MATRIX | # OF CONTAINERS | NWTPH-HCID | NWTPH-DX | NWTPH-GX | 8260 VOCs Full List | 8260 RBDN VOCs | 8260 HVOCS | 8260 BTEX VOCs | 8270 SVOC | 8270 SIMI PAHs | 8082 PCBs | 600 TTO | RCRA Metals (8) | TCLP Metals (8) | AL, Sb, As, Ba, Be, Cd, Cr, Cu, Ni, Pb, Se, Si, Mn, Zn, Hg, Meq. Mn, Ni, P, V, Zn, Total Diss. TCLP | 1200-COLS | 1200-Z |
|----------|-------|------|--------|-----------------|------------|----------|----------|---------------------|----------------|------------|----------------|-----------|----------------|-----------|---------|-----------------|-----------------|---|-----------|--------|
| MW01     | 12/25 | 1315 | H2O    | 5               |            | X        |          |                     |                |            | X              |           |                |           |         |                 |                 |   |           |        |
| MW02     | 1300  |      |        |                 |            |          |          |                     |                |            |                |           |                |           |         |                 |                 |   |           |        |
| MW03     | 1330  |      |        |                 |            |          |          |                     |                |            |                |           |                |           |         |                 |                 |   |           |        |

Normal Turn Around Time (TAT) = 10 Business Days      YES      NO

TAT Requested (circle):      1 Day      2 Day      3 Day      4 DAY      5 DAY      Other: \_\_\_\_\_

SPECIAL INSTRUCTIONS:

RELINQUISHED BY: Chris Dorschel      Date: 3/15/17      Signature: [Signature]      Date: 3/15/17      Signature: [Signature]  
 Printed Name: Chris Dorschel      Time: 5:11      Printed Name: [Signature]      Time: \_\_\_\_\_  
 Company: HydroCon Environmental LLC      Company: Apex

RECEIVED BY: \_\_\_\_\_      Date: \_\_\_\_\_      Signature: \_\_\_\_\_      Date: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_      Time: \_\_\_\_\_      Printed Name: \_\_\_\_\_      Time: \_\_\_\_\_  
 Company: \_\_\_\_\_      Company: \_\_\_\_\_

Apex Laboratories

*Lisa Domenighini*

Lisa Domenighini, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

|   |  |                                    |
|---|--|------------------------------------|
| <b>HydroCon LLC</b><br>510 Allen St. Suite B<br>Kelso, WA 98626 | Project: <b>Handy Mart</b><br>Project Number: 2015-007-01<br>Project Manager: Dave Borys | <b>Reported:</b><br>03/20/17 13:46 |
|---|--|------------------------------------|

APEX LABS COOLER RECEIPT FORM

Client: HydroCon Element WO#: A7 CO 452

Project/Project #: Handy Mart

**Delivery info:**

Date/Time Received: 3/15/17 @ 15:11 By: MS

Delivered by: Apex Client  ESS FedEx UPS Swift Senvoy SDS Other

**Cooler Inspection** Inspected by: MS : 3/15/17 @ 15:14

Chain of Custody Included? Yes  No \_\_\_ Custody Seals? Yes \_\_\_ No

Signed/Dated by Client? Yes  No \_\_\_

Signed/Dated by Apex? Yes  No \_\_\_

|                            | Cooler #1  | Cooler #2 | Cooler #3 | Cooler #4 | Cooler #5 | Cooler #6 | Cooler #7 |
|----------------------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Temperature (deg. C)       | <u>3.9</u> | ___       | ___       | ___       | ___       | ___       | ___       |
| Received on Ice? (Y/N)     | ___        | ___       | ___       | ___       | ___       | ___       | ___       |
| Temp. Blanks? (Y/N)        | ___        | ___       | ___       | ___       | ___       | ___       | ___       |
| Ice Type: (Gel/Real/Other) | ___        | ___       | ___       | ___       | ___       | ___       | ___       |
| Condition:                 | ___        | ___       | ___       | ___       | ___       | ___       | ___       |

Cooler out of temp? (Y/N) Possible reason why: \_\_\_\_\_  
 If some coolers are in temp and some out, were green dot applied to out of temperature samples? Yes/No/NA

**Samples Inspection:** Inspected by: KAR : 3/20/17 @ 16:08

All Samples Intact? Yes  No \_\_\_ Comments: \_\_\_\_\_

Bottle Labels/COCs agree? Yes  No \_\_\_ Comments: \_\_\_\_\_

Containers/Volumes Received Appropriate for Analysis? Yes  No \_\_\_ Comments: \_\_\_\_\_

Do VOA Vials have Visible Headspace? Yes \_\_\_ No  NA \_\_\_

Comments: \_\_\_\_\_

Water Samples: pH Checked and Appropriate (except VOAs): Yes \_\_\_ No \_\_\_ NA

Comments: \_\_\_\_\_

**Additional Information:** \_\_\_\_\_

Labeled by: \_\_\_\_\_ Witness: \_\_\_\_\_ Cooler Inspected by: \_\_\_\_\_ See Project Contact Form: Y

KAR MS KAR

Lisa Domenighini