



Oregon

John A. Kitzhaber, MD, Governor

Water Resources Department

North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

January 27, 2011

BRUCE NIERMEYER #1522
CASCADE DRILLING INC
13600 SE AMBLER RD
CLACKAMAS OR 97015

FINAL ORDER

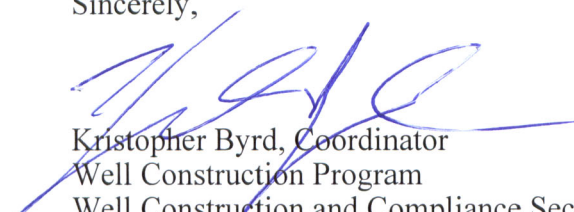
Dear Bruce:

The Special Standards Request Form you submitted for owner: Powell Distributing, Start Card number 1012359 (MW5), is hereby approved for the following: You may abandon this well as described on your Special Standards Request Form. *Bentonite grout may only be used to abandon the portion of the well that is below the static water level.* Above the static water level another approved sealing material must be used. Your Special Standards Request Form is enclosed. All other standards must be adhered to.

The Well Construction Standards serve to protect ground water resources. By approving and issuing this special construction standard the Oregon Water Resources Department is not representing that a well constructed in accordance with this condition will maintain structural integrity or that it meets engineering standards. The well constructor/or landowner is responsible for ensuring that a well is constructed in a manner that protects ground water resources as required under Oregon Administrative Rules 690-200 through 690-240.

If you have any questions regarding this letter, I may be contacted at (503) 986-0851, or by e-mail at Kristopher.R.Byrd@wrdd.state.or.us.

Sincerely,



Kristopher Byrd, Coordinator
Well Construction Program
Well Construction and Compliance Section

enclosure

cc: Bill Ferber, W Region Manager
File

This is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080 you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.





Oregon Water Resources Department
 725 Summer Street NE, Suite A
 Salem Oregon 97301-1266
 (503) 986-0900
 www.wrd.state.or.us

Special Standards Request Form

REQUEST FOR WRITTEN APPROVAL TO USE CONSTRUCTION METHODS NOT INCLUDED IN OREGON ADMINISTRATIVE RULES 690-200 THROUGH 690-240

Before the request can be considered, this form must be completed. Requests shall be submitted to the Well Construction Program Coordinator, Water Resources Department, 725 Summer Street NE, Suite A, Salem OR 97301-1266. Requests may also be considered by the appropriate Regional Manager.

26TH OF JANUARY 2011

Date of request: _____ Oral approval date (if applicable): _____

Bonded Well Constructor (name, license #, and mailing address): Bruce Nierneyer - 1522

13600 SE AMBLER RD, CLACKAMAS, OR 97015

(1) Location of Well: SW 1/4 NW 1/4 Tax lot 600 Section 19,
 Township 7S, Range 2WE, MARTON County
 Address at well site: 1705 LANCASTER DRIVE N.E.
SALEM, OREGON 97305

(2) Start Card Number(s)(for work to be done): 1012357~1012359

(3) Name and Address of Land Owner: POWELL DISTRIBUTING
9125 NORTH BURRAGE PORTLAND, OREGON 97217

(4) Distance to the nearest septic tank, drainfield, closed sewage line (if water supply well)
UNKNOWN

(5) The unusual site conditions which necessitate this request: THE CLIENT WOULD LIKE TO ABANDON THE WELLS IN PLACE
WELL DATA IS ATTACHED WITH LOG'S

(6) The proposed construction methods that the bonded well constructor believes will be adequate for this well: (attach additional pages if needed)
CASCADE WOULD FILL THE WELL CASING FROM THE BOTTOM UP WITH BENTONITE GROUT REMOVE THE MONUMENT AND PATCH THE SURFACE

P11037-5215

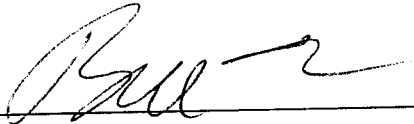
- (7) Diagram showing the pertinent features of the proposed well design and construction:
(attach additional pages if needed)

| | | | | | |
|--|----------------|---|----|-------------|--|
| | Concrete Seal | <u>0</u> | to | <u>1'</u> | |
| | Bentonite Seal | <u>1'</u> | to | <u>T.D.</u> | |
| | Blank Casing | _____ | to | _____ | |
| | Well Screen | _____ | to | _____ | |
| | Filter Pack | _____ | to | _____ | |
| | Well Diameter | <u>1.5"</u> | | | |
| | Total Depth | <u>3 WELLS TOTAL</u> <u>1 TO 20'</u> <u>2 TO 25' BGS.</u> | | | |

PLEASE NOTE:

- (1) The Well Construction Standards serve to protect ground water resources. By approving and issuing this special construction standard the Oregon Water Resources Department is not representing that a well constructed in accordance with this condition will maintain structural integrity or that it meets engineering standards. The well constructor/owner is responsible for ensuring that a well is constructed in a manner that protects ground water resources as required under Oregon Administrative Rules 690-200 through 690-240.
- (2) If it should be determined at some future date that the well, due to its construction, is allowing ground water contamination, waste or loss of artesian pressure, the undersigned shall return to the site and rectify the problem.
- (3) If oral approval was granted, a written request must be submitted to the Department either within three (3) working days of the date of oral approval or prior to the completion of the associated well work. Failure to submit a written request as described above may void prior oral approval.

I have read and understand the above information. I further attest that the information provided is accurate to the best of my knowledge.

Bonded Constructor Signature: 

MAR 60753

STATE OF OREGON
MONITORING WELL REPORT

(as required by ORS 537.765 & OAR 690-240-095)

Instructions for completing this report are on the last page of this form.

Well I.D. #: L 89791

Start Card #: 194010

(1) OWNER/PROJECT: Name POWELL DISTRIBUTING
WELL NO. MW-2 (MW-4)

Address 9125 NORTH BURRAGE
City PORTLAND State OREGON Zip 97217

(2) TYPE OF WORK:

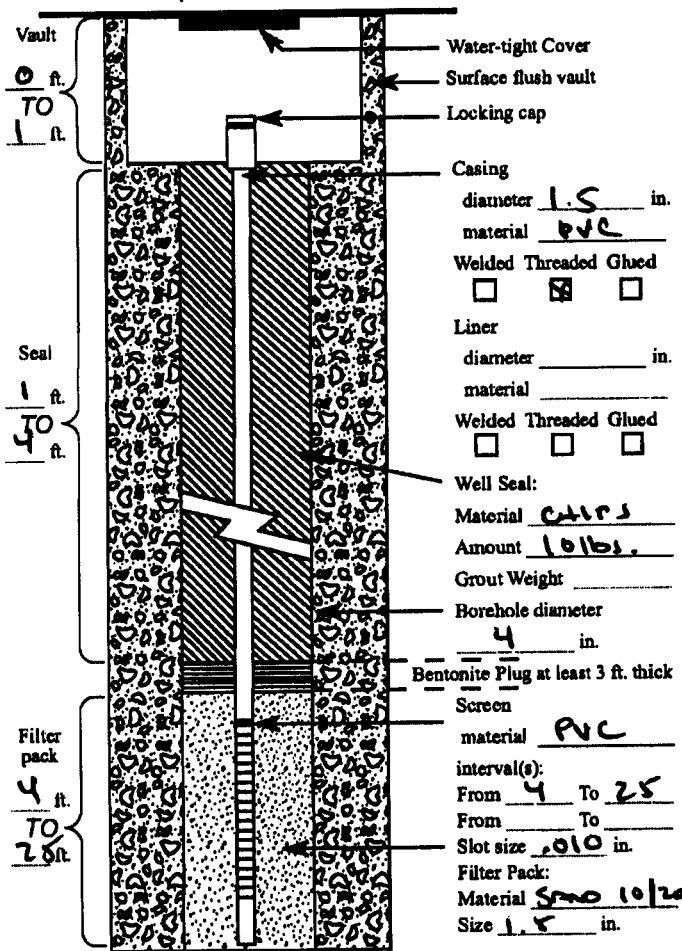
- New construction Alteration (Repair/Recondition)
 Conversion Deepening Abandonment

(3) DRILLING METHOD:

- Rotary Air Rotary Mud Cable
 Hollow Stem Auger Other PUSH PROB

(4) BORE HOLE CONSTRUCTION:

Special Standards Yes No Depth of completed well 25 ft.



(6) LOCATION OF WELL By legal description

Well Location: County MARION
Township 7S S Range 2W W Section 19
SW 1/4 of NW 1/4 of above section.

Street address of well location 1705 LANCASTER DR NE SALEM, OR 97305

Tax lot number of well location 600

ATTACH MAP WITH LOCATION IDENTIFIED. Map shall include approximate scale and north arrow.

(7) STATIC WATER LEVEL:

125 Ft. below land surface Date 7/12/07
Artesian Pressure lb/sq in. Date

(8) WATER BEARING ZONES:

Table with columns: From, To, Est. Flow Rate, SWL

(9) WELL LOG:

Table with columns: Material, From, To, SWL. Includes handwritten entries for CONCRETE and SILTY SAND.

Date started 7/12/07 Completed 7/12/07

(unbonded) Monitor Well Constructor Certification: I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. MWC Number 10423 Signed Date 7/12/07

(bonded) Monitor Well Constructor Certification: I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. MWC Number 1522 Signed Date JUL 19 2007

(5) WELL TEST:

Pump Bailer Air Flowing Artesian
Permeability Yield GPM
Conductivity pH
Temperature of Water 56 F Depth artesian flow found ft.
Was water analysis done? Yes No
By whom?
Depth of strata to be analyzed. From ft. to ft.
Remarks

Name of supervising Geologist/Engineer

NEW SC 1012367



Water Resources Department

Online Start Card Purchase Receipt
1/25/2011

P11037-5215
3 - 20' 1" MW
Decommission

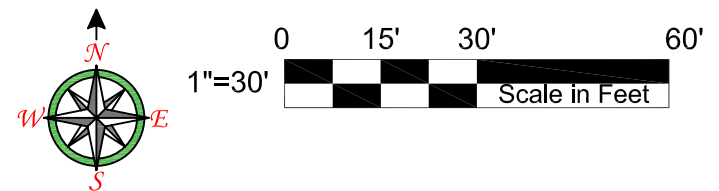
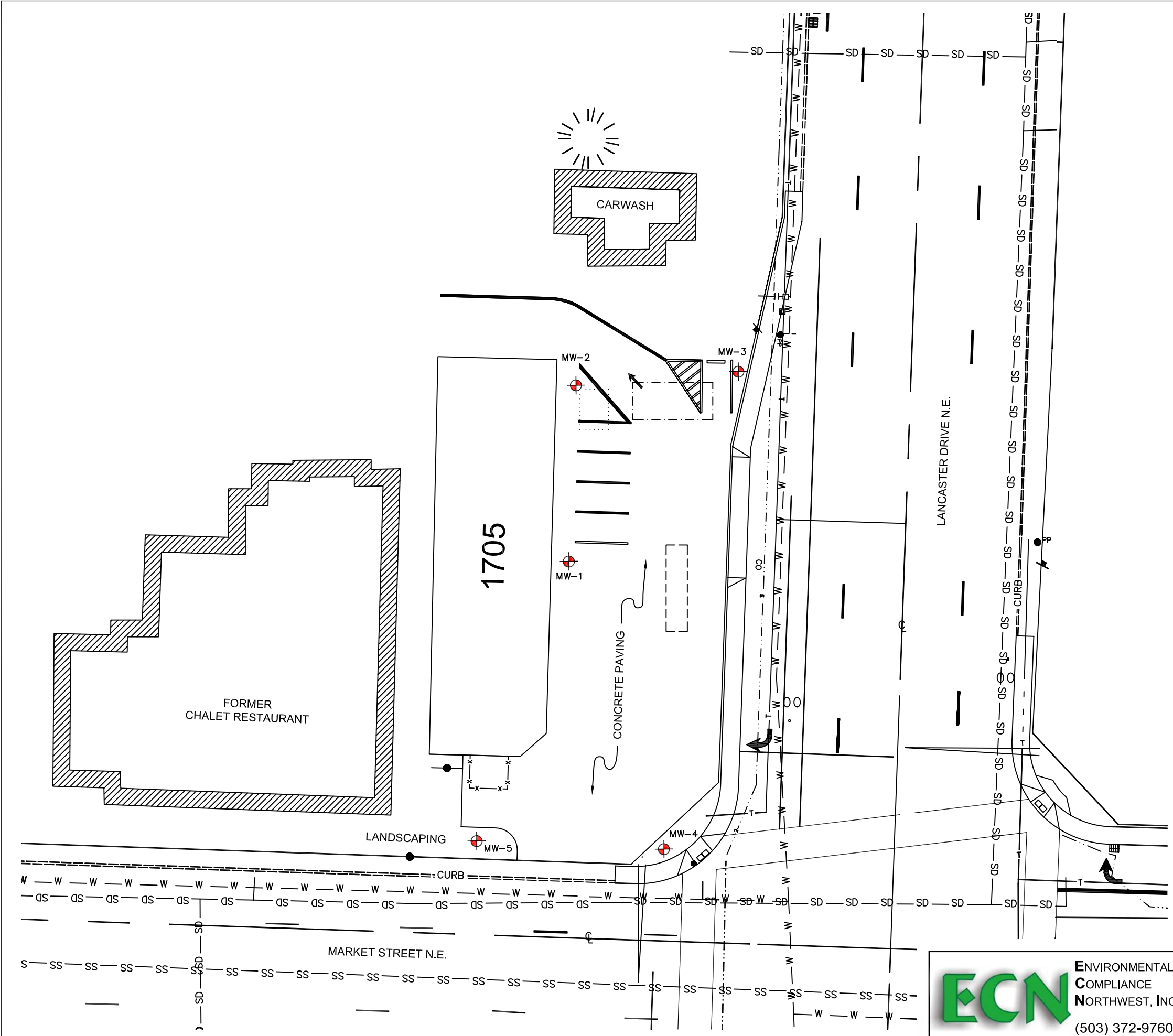
**MICHAEL BRUCE NIERMEYER;
CASCADE DRILLING LP**

The online purchase of the following start cards has been processed. Please print this for your records.

| SC # | Well Type | Company | First Name | Last Name | Street | City | State | Zip | County | Street of Well | Taxlot | Fee |
|--------------------|-----------|-------------------------------|-------------|-----------|-------------------------------|----------|-------|-------|--------|---------------------------------|--------|--------|
| 1012359 | Monitor | POWELL DISTRIBUTING CO., INC. | P11037-5215 | | P.O. BOX 17160 KENTON STATION | PORTLAND | OR | 97217 | MARI | 1705 LANCASTER DR NE, SALEM, OR | 600 | \$0.00 |
| <i>MW-1 (MW-5)</i> | | | | | | | | | | | | |
| 1012357 | Monitor | POWELL DISTRIBUTING CO., INC. | P11037-5215 | | P.O. BOX 17160 KENTON STATION | PORTLAND | OR | 97217 | MARI | 1705 LANCASTER DR NE, SALEM, OR | 600 | \$0.00 |
| <i>MW-2 (MW-4)</i> | | | | | | | | | | | | |
| 1012358 | Monitor | POWELL DISTRIBUTING CO., INC. | P11037-5215 | | P.O. BOX 17160 KENTON STATION | PORTLAND | OR | 97217 | MARI | 1705 LANCASTER DR NE, SALEM, OR | 600 | \$0.00 |
| <i>MW-5 (MW-3)</i> | | | | | | | | | | | | |

Return to Start Card Cart
[Return to Main Menu](#)

| LEGEND | |
|--------|---|
| | Monitoring Well Location |
| | Underground Storage Tank |
| | Approximate Former Used Oil UST Location |
| | Approximate Abandoned UST Location |
| | Approximate Former Fuel Dispenser Island Location |



ECN
 ENVIRONMENTAL
 COMPLIANCE
 NORTHWEST, INC.
 (503) 372-9760

SITE PLAN
 1705 Lancaster Drive NE
 Salem, OR

| | |
|--------------------|----------|
| Project No. 05-110 | FIGURE 2 |
|--------------------|----------|

| MW-2-2.5' | MW-2-10' |
|------------------|----------------|
| D = 4,710 | D = 5,020 |
| O = 362 | O = ND |
| Gx = 1,462 | Gx = 997 |
| B = ND | B = 0.0110 |
| T = ND | T = ND |
| E = 0.202 | E = 0.0226 |
| X = ND | X = ND |
| 1,2,4 TMB = ND | 1,2,4 TMB = ND |
| EDB = ND | EDB = ND |
| EDC = ND | EDC = ND |
| 1,3,5 TMB = ND | 1,3,5 TMB = ND |
| IPB = 2.070 | IPB = 0.640 |
| MTBE = ND | MTBE = ND |
| NPB = 7.520 | NPB = 4.340 |
| NAPH = 0.577 | NAPH = ND |
| NBB = 3.570 | NBB = 0.132 |
| SBB = 1.290 | SBB = 0.103 |
| Cd = 0.175 | Cd = 0.167 |
| Cr = 13.0 | Cr = 16.8 |
| Pb = 19.8 | Pb = 7.83 |
| PAHs SEE TABLE 2 | |

| MW-1-2.5' | MW-1-12' |
|-----------|----------|
| Dx = ND | Dx = ND |
| Gx = 3.98 | Gx = ND |
| VOCs = ND | |

| MW-3-2.5' | MW-3-12' |
|-----------|-----------|
| D = 1,920 | D = 115 |
| O = ND | O = ND |
| Gx = 513 | Gx = 35.8 |
| | B = ND |
| | T = ND |
| | E = ND |
| | X = ND |

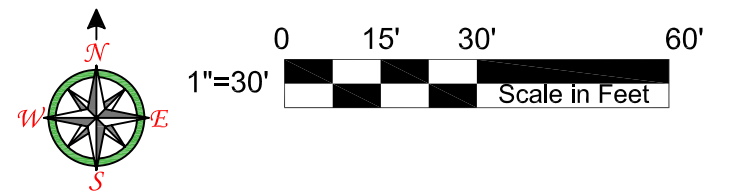
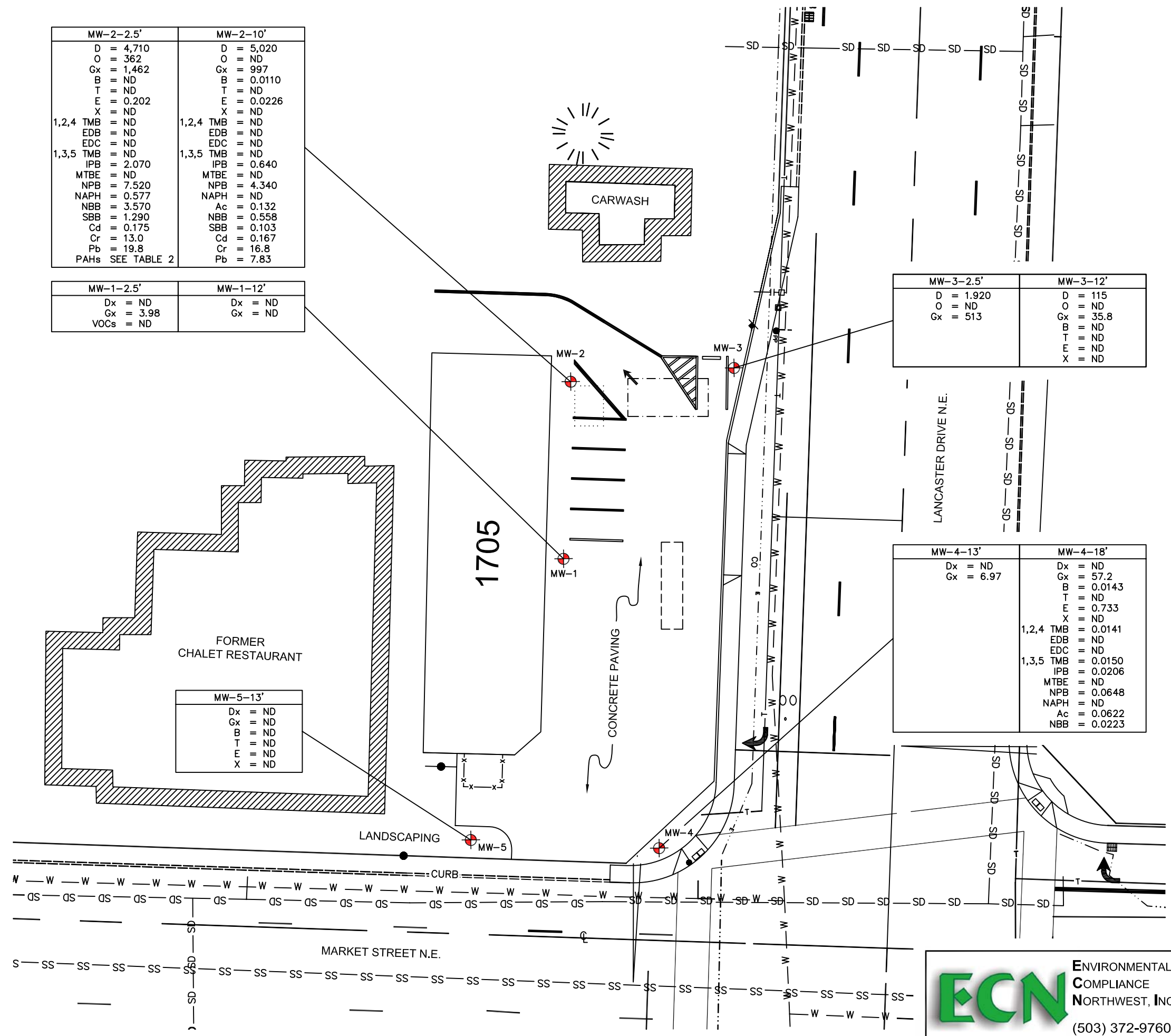
| MW-4-13' | MW-4-18' |
|-----------|--------------------|
| Dx = ND | Dx = ND |
| Gx = 6.97 | Gx = 57.2 |
| | B = 0.0143 |
| | T = ND |
| | E = 0.733 |
| | X = ND |
| | 1,2,4 TMB = 0.0141 |
| | EDB = ND |
| | EDC = ND |
| | 1,3,5 TMB = 0.0150 |
| | IPB = 0.0206 |
| | MTBE = ND |
| | NPB = 0.0648 |
| | NAPH = ND |
| | Ac = 0.0622 |
| | NBB = 0.0223 |

| MW-5-13' |
|----------|
| Dx = ND |
| Gx = ND |
| B = ND |
| T = ND |
| E = ND |
| X = ND |

LEGEND

- Monitoring Well Location
- UST
- Approximate Former Used Oil UST Location
- Approximate Abandoned UST Location
- Approximate Former Fuel Dispenser Island Location
- VOCs**
Volatile Organic Compounds
- RBDM VOCs**
Risk-based Decision Making Volatile Organic Compounds
- 1,2,4 TMB
1,2,4 Trimethylbenzene
- EDB
Ethylene Dibromide
- EDC
Ethylene Dichloride
- 1,3,5 TMB
1,3,5 Trimethylbenzene
- IPB
Isopropylbenzene
- B
Benzene
- T
Toulene
- E
Ethylbenzene
- X
Total Xylenes
- MTBE
Methyl Tertiary Butyl Ether
- NPB
N-Propylbenzene
- NAPH
Naphthalene
- Ac
Acetone
- NBB
N-Butylbenzene
- SBB
Sec-Butylbenzene
- Cd
Cadmium
- Cr
Chromium
- Pb
Lead
- Dx
Diesel- and Lube Oil-range Hydrocarbons
- D
Diesel-range Hydrocarbons
- O
Lube Oil-range Hydrocarbons
- Gx
Gasoline-range Hydrocarbons
- PAHs
Polynuclear Aromatic Hydrocarbons
- ND
Not detected at or above the laboratory reporting limit

Results are in milligrams per kilogram (mg/kg)

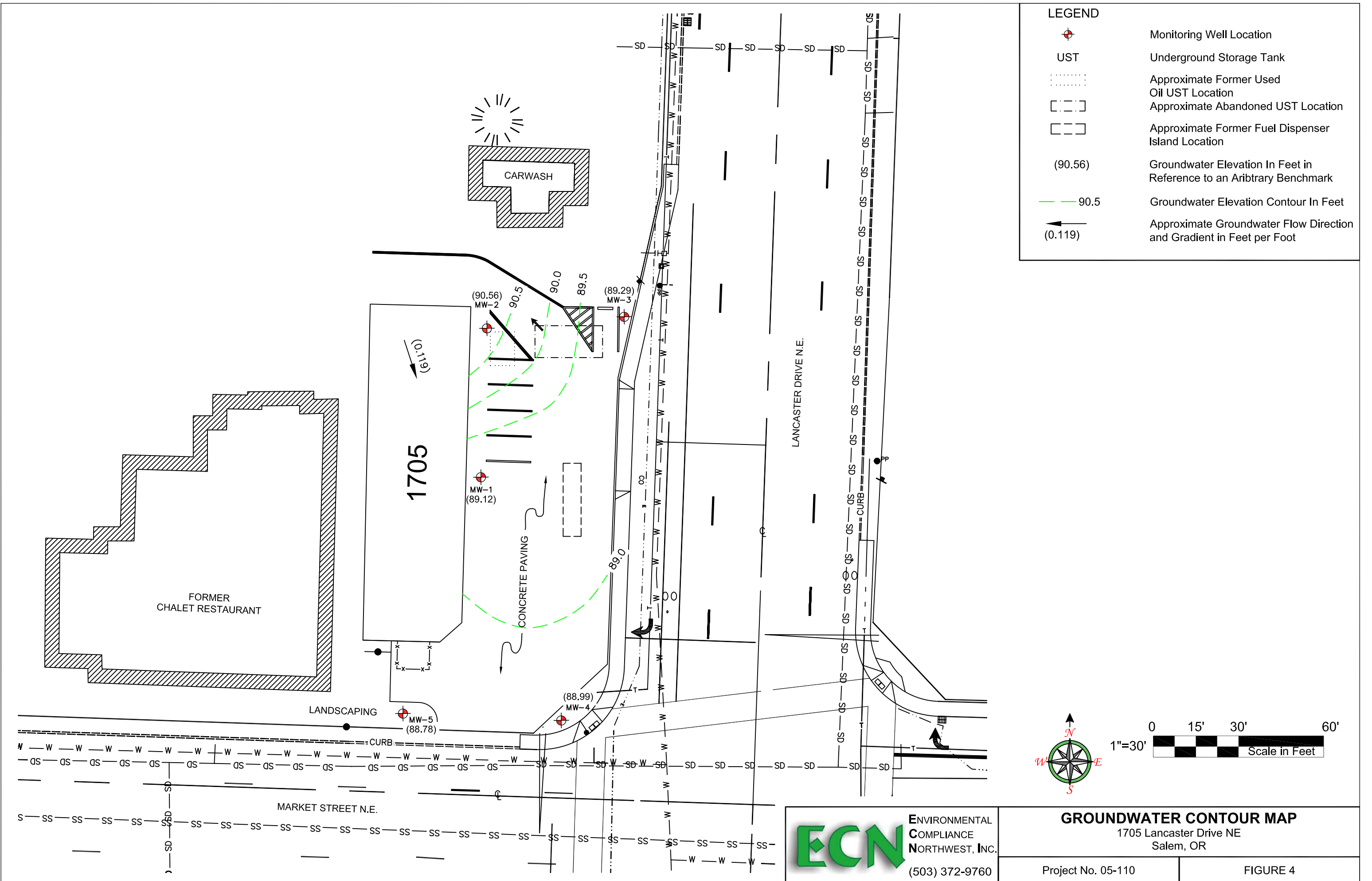


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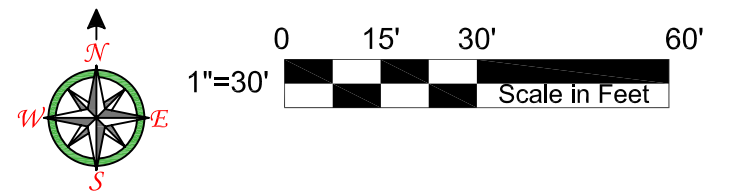
SOIL ANALYTICAL RESULTS MAP
 1705 Lancaster Drive NE
 Salem, OR

Project No. 05-110

FIGURE 3



| LEGEND | |
|---------|--|
| | Monitoring Well Location |
| | Underground Storage Tank |
| | Approximate Former Used Oil UST Location |
| | Approximate Abandoned UST Location |
| | Approximate Former Fuel Dispenser Island Location |
| (90.56) | Groundwater Elevation In Feet in Reference to an Arbitrary Benchmark |
| | Groundwater Elevation Contour In Feet |
| | Approximate Groundwater Flow Direction and Gradient in Feet per Foot |



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 (503) 372-9760

GROUNDWATER CONTOUR MAP
 1705 Lancaster Drive NE
 Salem, OR

Project No. 05-110

FIGURE 4

| MW-2 | |
|-----------|-------------|
| D | = 1,880 |
| O | = ND |
| Gx | = 2,390 |
| B | = 159 |
| T | = 1.89 |
| E | = 14.3 |
| X | = ND |
| 1,2,4 TMB | = ND |
| EDB | = ND |
| EDC | = ND |
| 1,3,5 TMB | = ND |
| IPB | = 58.8 |
| MTBE | = ND |
| NPB | = 134 |
| NAPH | = 1.80 |
| CE | = 1.08 |
| NBB | = 13.4 |
| SBB | = 8.22 |
| Cd | = ND |
| Cr | = ND |
| LEAD | = 0.83 |
| PAHs | SEE TABLE 4 |

| MW-1 | |
|------|-------|
| D | = 434 |
| O | = ND |
| Gx | = ND |
| VOCs | = ND |

| MW-3 | |
|------------|---------|
| D | = 337 |
| O | = ND |
| Gx | = 336 |
| B | = 0.420 |
| T | = ND |
| E | = 10.1 |
| X | = 6.30 |
| 1,2,4 TMB | = 10.9 |
| EDB | = ND |
| EDC | = ND |
| 1,3,5 TMB | = 1.90 |
| IPB | = 1.36 |
| MTBE | = ND |
| NPB | = 3.27 |
| NAPH | = 1.78 |
| OTHER VOCs | = ND |

| MW-4 | |
|-----------|-------------|
| D | = 534 |
| O | = ND |
| Gx | = 2,320 |
| B | = 137 |
| T | = 3.15 |
| E | = 88.3 |
| X | = 21.50 |
| 1,2,4 TMB | = 3.94 |
| EDB | = ND |
| EDC | = ND |
| 1,3,5 TMB | = 2.14 |
| IPB | = 19.1 |
| MTBE | = ND |
| NPB | = 66.2 |
| NAPH | = 55.6 |
| IPT | = 1.17 |
| NBB | = 3.65 |
| SBB | = 3.31 |
| Cd | = ND |
| Cr | = ND |
| LEAD | = 0.67 |
| PAHs | SEE TABLE 4 |

| MW-5 | |
|-----------|-------|
| D | = 247 |
| O | = ND |
| Gx | = ND |
| RBDM VOCs | = ND |

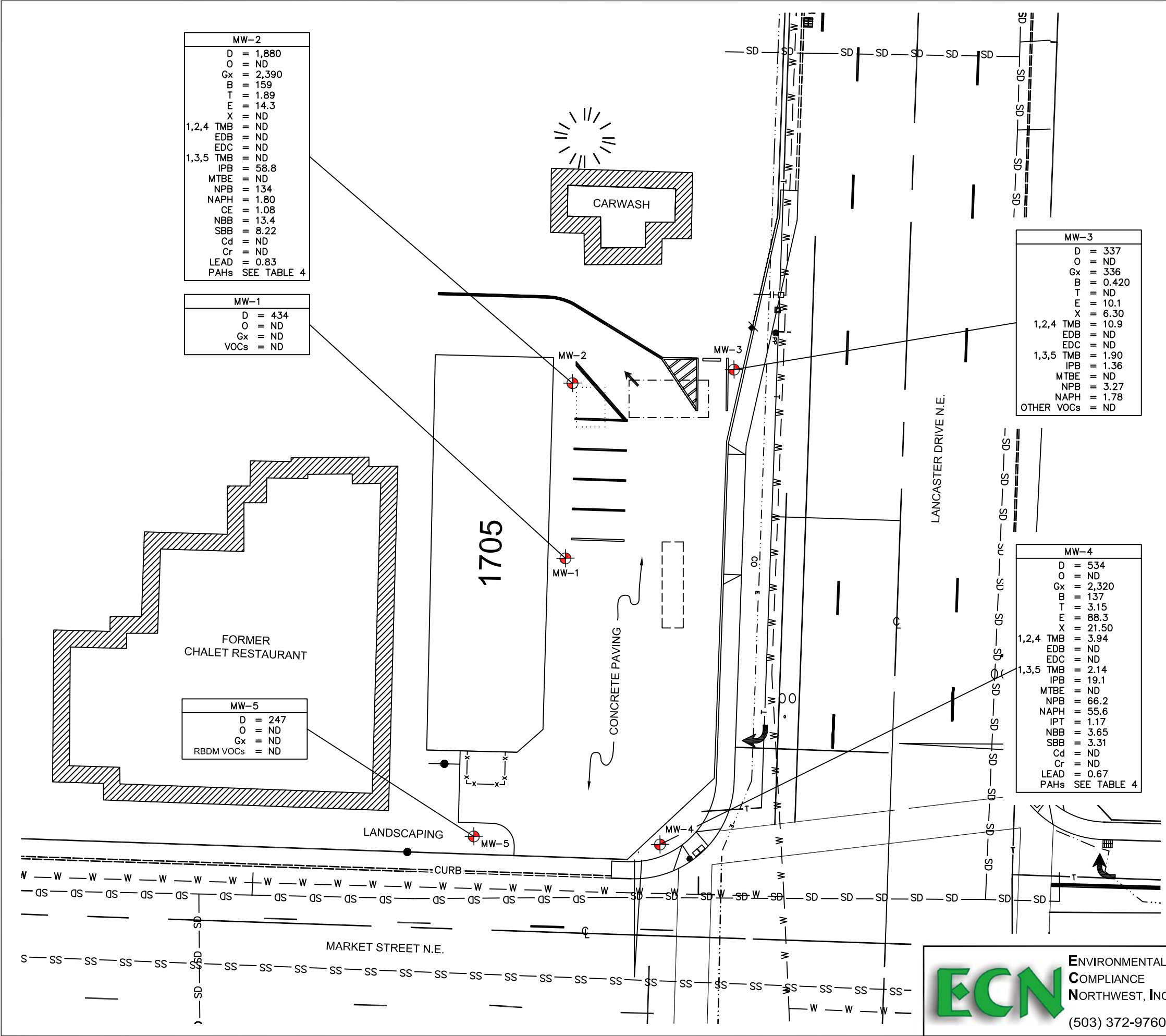
LEGEND

- Monitoring Well Location
- Underground Storage Tank
- Approximate Former Used Oil UST Location
- Approximate Abandoned UST Location
- Approximate Former Fuel Dispenser Island Location
- VOCs** Volatile Organic Compounds
- RBDM VOCs** Risk-based Decision Making Volatile Organic Compounds
- 1,2,4 TMB 1,2,4 Trimethylbenzene
- EDB Ethylene Dibromide
- EDC Ethylene Dichloride
- 1,3,5 TMB 1,3,5 Trimethylbenzene
- IPB Isopropylbenzene
- B Benzene
- T Toulene
- E Ethylbenzene
- X Total Xylenes
- MTBE Methyl Tertiary Butyl Ether
- NPB N-Propylbenzene
- NAPH Naphthalene
- CE Chloroethane
- IPT Isopropyltoluene
- NBB N-Butylbenzene
- SBB Sec-Butylbenzene
- Cd Dissolved Cadmium
- Cr Dissolved Chromium
- LEAD Lead
- Dx Diesel- and Lube Oil-range Hydrocarbons
- D Diesel-range Hydrocarbons
- O Lube Oil-range Hydrocarbons
- Gx Gasoline-range Hydrocarbons
- PAHs Polynuclear Aromatic Hydrocarbons
- ND Not detected at or above the laboratory reporting limit

Results are in micrograms per liter (µg/L)

Scale in Feet: 0, 15', 30', 60'

1"=30'



ECN ENVIRONMENTAL COMPLIANCE NORTHWEST, INC.
(503) 372-9760

GROUNDWATER ANALYTICAL RESULTS MAP
1705 Lancaster Drive NE
Salem, OR

Project No. 05-110 FIGURE 5

MAR 16 2007 563

STATE OF OREGON
MONITORING WELL REPORT
(as required by ORS 537.765 & OAR 690-240-095)

Well I.D. #: L 89794
Start Card #: 194012

Instructions for completing this report are on the last page of this form.

(1) OWNER/PROJECT: WELL NO. MW-5
Name POWELL DISTRIBUTING
Address 9125 NORTH BURRAGE
City PORTLAND State OREGON Zip 97217

(6) LOCATION OF WELL By legal description
Well Location: County MARION
Township 7S S Range 2W W Section 19
SW $\frac{1}{4}$ of NW $\frac{1}{4}$ of above section.
Street address of well location 1705 LANCASTER DR NE
SALEM, OR 97305
Tax lot number of well location 600
ATTACH MAP WITH LOCATION IDENTIFIED. Map shall include approximate scale and north arrow.

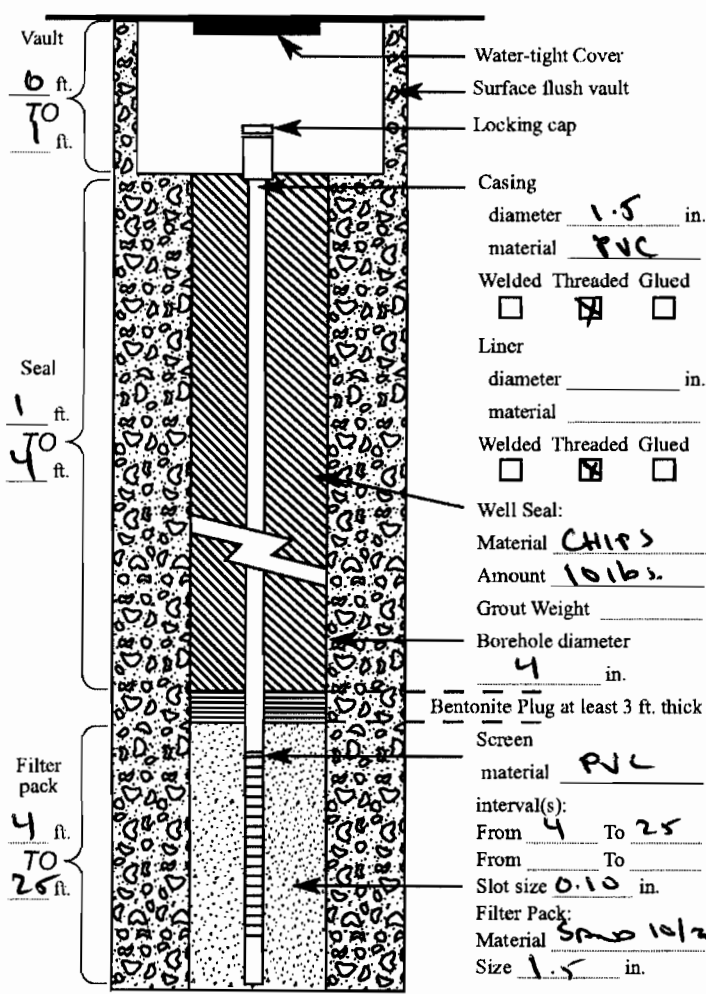
(2) TYPE OF WORK:
 New construction Alteration (Repair/Recondition)
 Conversion Deepening Abandonment

(3) DRILLING METHOD:
 Rotary Air Rotary Mud Cable
 Hollow Stem Auger Other PUSH PRUG

(7) STATIC WATER LEVEL:
13 Ft. below land surface Date 7/13/07
Artesian Pressure _____ lb/sq in. Date _____

(4) BORE HOLE CONSTRUCTION:
Special Standards Yes No Depth of completed well 25 ft.

(8) WATER BEARING ZONES:
Depth at which water was first found _____
Table with columns: From, To, Est. Flow Rate, SWL



(9) WELL LOG: Ground elevation _____
Table with columns: Material, From, To, SWL
Material: GRAVEL (0 to 1), SILT SAND (1 to 25)
RECEIVED AUG 16 2007 WATER RESOURCES DEPT SALEM, OREGON

(5) WELL TEST:
 Pump Bailer Air Flowing Artesian
Permeability _____ Yield _____ GPM
Conductivity _____ pH _____
Temperature of Water 56 °F Depth artesian flow found _____ ft.
Was water analysis done? Yes No
By whom? _____
Depth of strata to be analyzed. From _____ ft. to _____ ft.
Remarks _____

Date started 7/13/07 Completed 7/13/07
(unbonded) Monitor Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to the best knowledge and belief.
Signed [Signature] MWC Number 10423 Date 7/13/07
(bonded) Monitor Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
Signed [Signature] MWC Number 1522 Date _____
JUL 19 2007

Cascade Project No.: PT213

Oregon Water Resources Department (OWRD) requires completion of a Geotechnical Hole Report if any of the following apply:

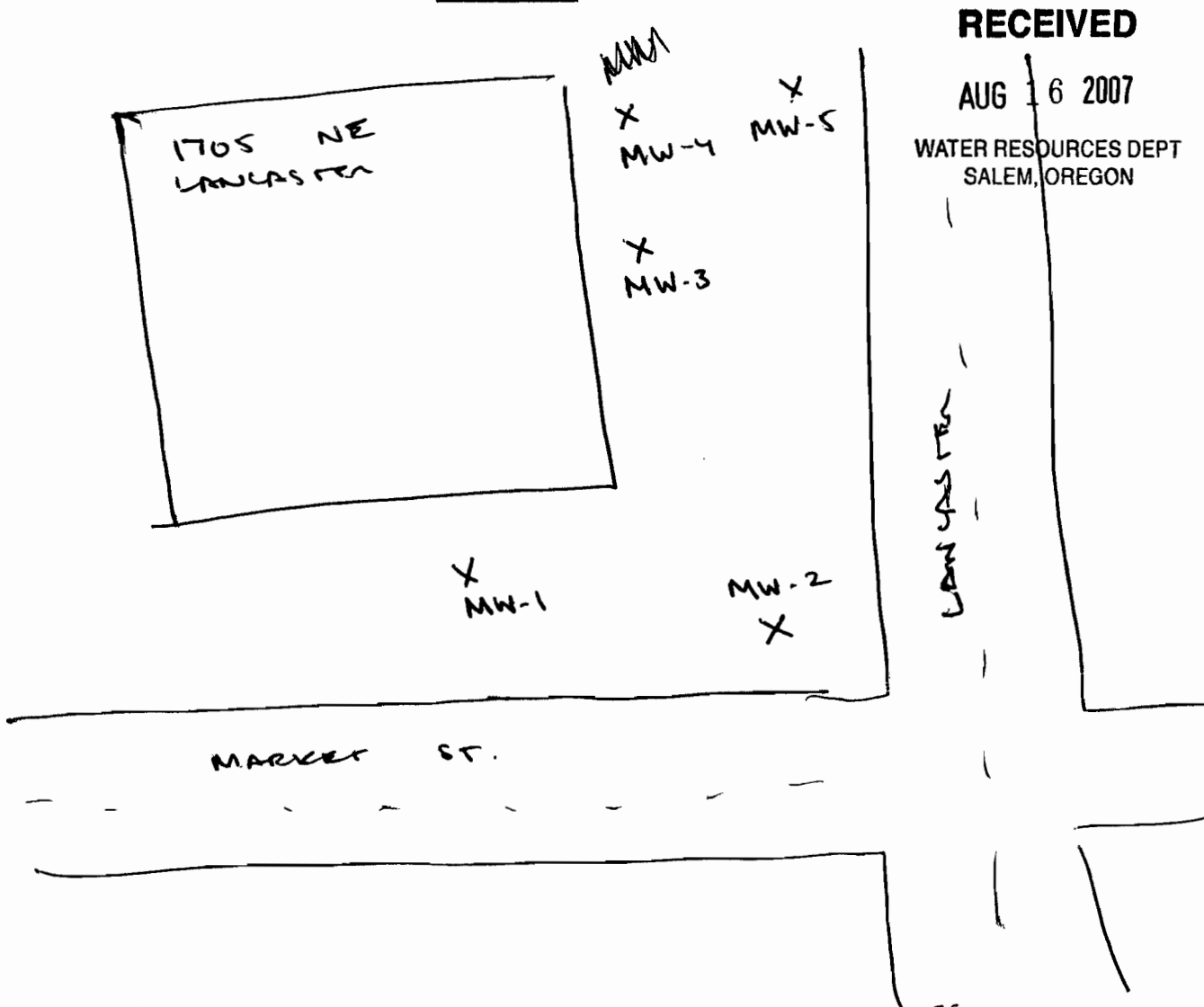
- Geotechnical hole is greater than 18 feet deep;
- Within 50 feet of a water supply or monitoring well;
- Used to make a determination of water quality;
- Constructed in an area of known or reasonably suspected contamination.

In order to comply with OWRD requirements, please provide a Site Map:

Map shall include an approximate scale of north arrow. Upon completion of well activities, a site map with each well location identified must be filed with each Geotechnical Hole Report (OR 690-240-035).

Thank You for your information and assistance on compliance with Oregon Administrative Rules.

SITE MAP

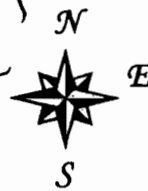


RECEIVED

AUG 16 2007

WATER RESOURCES DEPT
SALEM, OREGON

Site Address: 1705 Lancaster Dr. NE Salem OR
 Client: DAV CAMP NW
 Cascade Drilling Project No.: PT213



MAR 107253

STATE OF OREGON MONITORING WELL REPORT

(as required by ORS 537.765 & OAR 690-240-095)

Instructions for completing this report are on the last page of this form.

Well I.D. #: L 89791

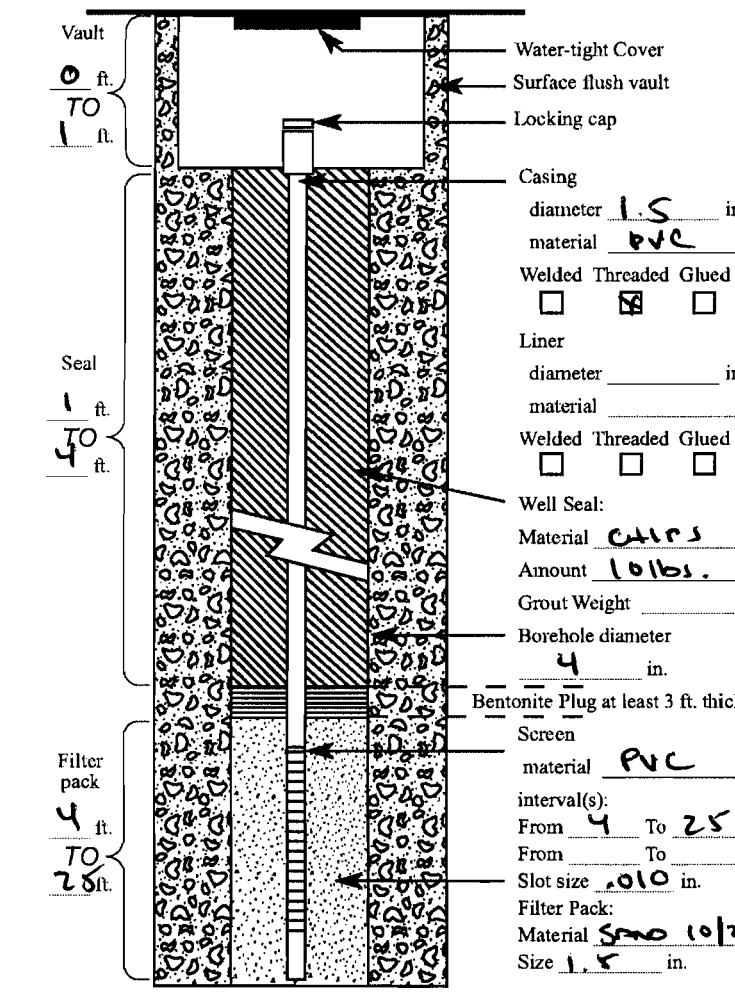
Start Card #: 194010

(1) OWNER/PROJECT: Name POWELL DISTRIBUTING Address 9125 NORTH BURRAGE City PORTLAND State OREGON Zip 97217

(2) TYPE OF WORK: [X] New construction [] Alteration (Repair/Recondition) [] Conversion [] Deepening [] Abandonment

(3) DRILLING METHOD: [] Rotary Air [] Rotary Mud [] Cable [] Hollow Stem Auger [X] Other PUSH PRODR

(4) BORE HOLE CONSTRUCTION: Special Standards [] Yes [X] No Depth of completed well 25 ft.



(5) WELL TEST: [] Pump [] Bailer [] Air [] Flowing Artesian Permeability Yield GPM Conductivity pH Temperature of Water 56 F Depth artesian flow found ft. Was water analysis done? [X] Yes [] No

(6) LOCATION OF WELL By legal description Well Location: County MARION Township 7S S Range 2W W Section 19 SW 1/4 of NW 1/4 of above section. Street address of well location 1705 LANCASTER DR NE SALEM, OR 97305 Tax lot number of well location 600 ATTACH MAP WITH LOCATION IDENTIFIED. Map shall include approximate scale and north arrow.

(7) STATIC WATER LEVEL: 12.5 Ft. below land surface Date 7/12/07 Artesian Pressure lb/sq in. Date

(8) WATER BEARING ZONES: Table with columns From, To, Est. Flow Rate, SWL

(9) WELL LOG: Table with columns Material, From, To, SWL. Includes 'RECEIVED AUG 16 2007 WATER RESOURCES DEPT SALEM, OREGON' stamp.

(unbonded) Monitor Well Constructor Certification: I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Signed [Signature] MWC Number 10423 Date 7/12/07

(bonded) Monitor Well Constructor Certification: I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. Signed [Signature] MWC Number 1522 Date JUL 19 2007

Cascade Project No.: PT213

Oregon Water Resources Department (OWRD) requires completion of a Geotechnical Hole Report if any of the following apply:

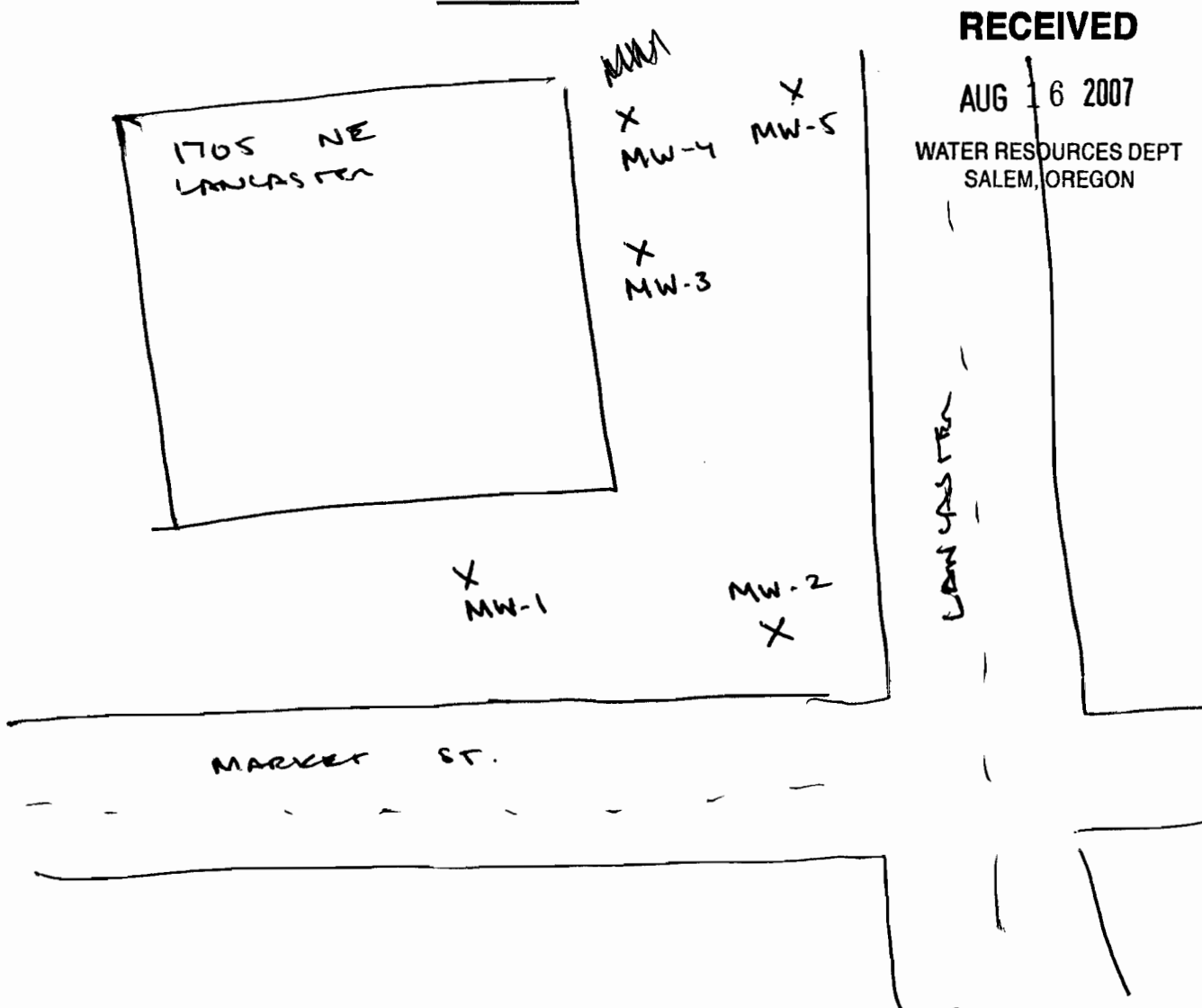
- Geotechnical hole is greater than 18 feet deep;
- Within 50 feet of a water supply or monitoring well;
- Used to make a determination of water quality;
- Constructed in an area of known or reasonably suspected contamination.

In order to comply with OWRD requirements, please provide a Site Map:

Map shall include an approximate scale of north arrow. Upon completion of well activities, a site map with each well location identified must be filed with each Geotechnical Hole Report (OR 690-240-035).

Thank You for your information and assistance on compliance with Oregon Administrative Rules.

SITE MAP

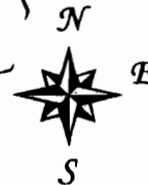


RECEIVED

AUG 16 2007

WATER RESOURCES DEPT
SALEM, OREGON

Site Address: 1705 Lancaster Dr. NE Salem OR
 Client: BAV LAMP NW
 Cascade Drilling Project No.: PT213



Cascade Project No.: P0213

Oregon Water Resources Department (OWRD) requires completion of a Geotechnical Hole Report if any of the following apply:

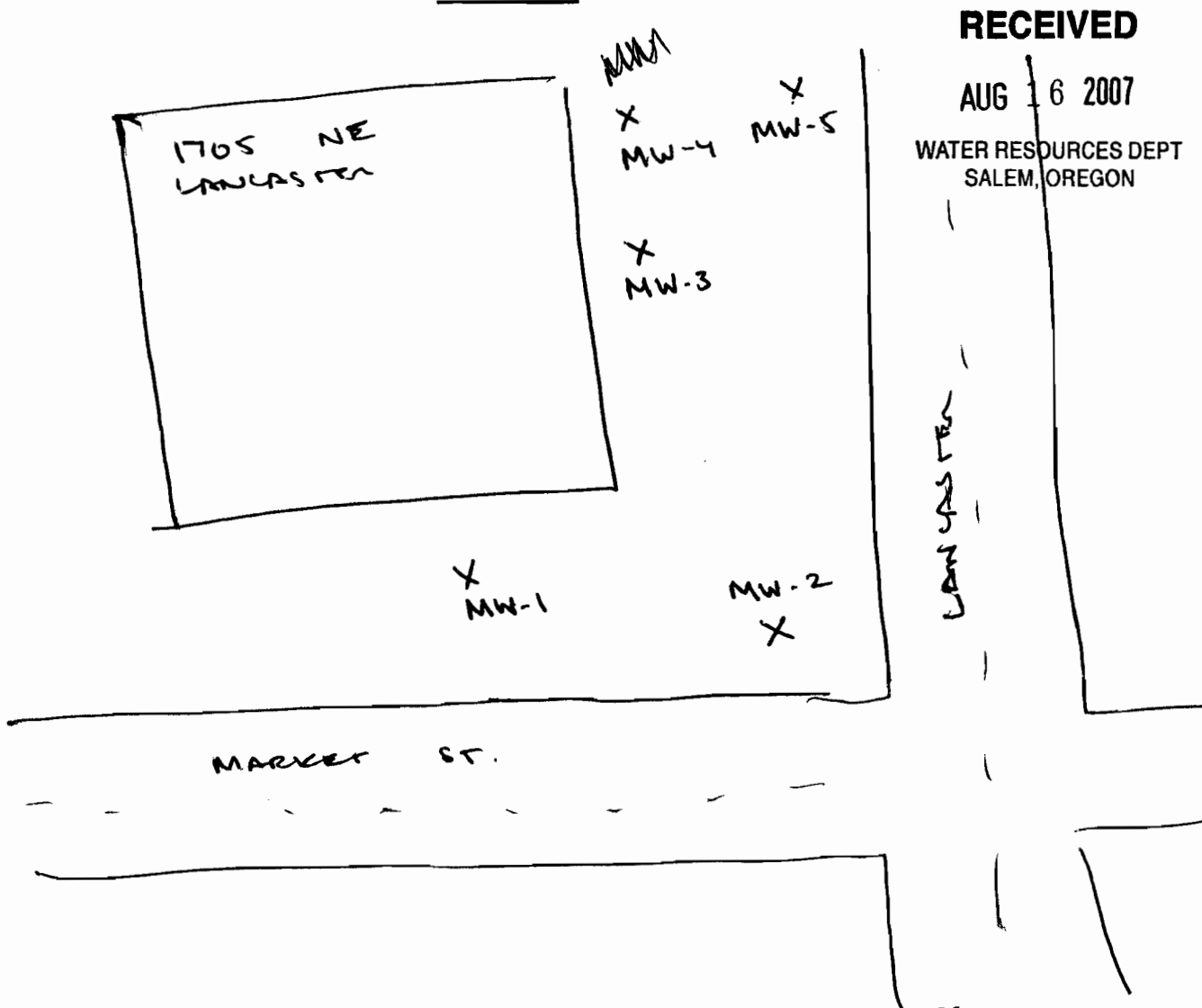
- Geotechnical hole is greater than 18 feet deep;
- Within 50 feet of a water supply or monitoring well;
- Used to make a determination of water quality;
- Constructed in an area of known or reasonably suspected contamination.

In order to comply with OWRD requirements, please provide a Site Map:

Map shall include an approximate scale of north arrow. Upon completion of well activities, a site map with each well location identified must be filed with each Geotechnical Hole Report (OR 690-240-035).

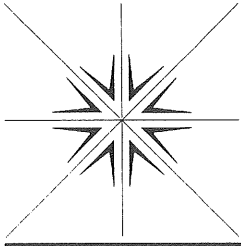
Thank You for your information and assistance on compliance with Oregon Administrative Rules.

SITE MAP



Site Address: 1705 LANCASTER DR. NE SALEM OR
 Client: DAV LAMP NW
 Cascade Drilling Project No.: P0213





Specialty Analytical

11711 SE Capps Road
Clackamas, OR 97015
(503) 607-1331
Fax (503) 607-1336

October 06, 2010

John Day
Environmental Compliance Northwest, Inc.
P.O. Box 230163
Portland, OR 97281
TEL: (503) 372-9760
FAX: (503) 213-9980

RE: Powell-Salem / 07-303

Dear John Day:

Order No.: 1009199

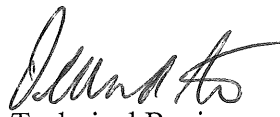
Specialty Analytical received 5 samples on 9/29/2010 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,


For Cindy Hillyard
Project Manager


Technical Review

Specialty Analytical

Date: 06-Oct-10

CLIENT: Environmental Compliance Northwest, Inc.
Lab Order: 1009199
Project: Powell-Salem / 07-303
Lab ID: 1009199-01

Client Sample ID: MW-1
Collection Date: 9/29/2010 12:00:00 PM
Matrix: GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|----------------------------|--------|----------|------|-------|----|----------------|
| NWTPH-DX | | | | | | Analyst: jrp |
| Diesel | 0.355 | 0.0762 | | mg/L | 1 | 10/1/2010 |
| Lube Oil | ND | 0.190 | | mg/L | 1 | 10/1/2010 |
| Surr: o-Terphenyl | 89.3 | 50-150 | | %REC | 1 | 10/1/2010 |
| BTEX - RBC | | | | | | Analyst: jrp |
| | | | | | | SW8021B |
| Benzene | ND | 0.300 | | µg/L | 1 | 10/3/2010 |
| Toluene | ND | 0.500 | | µg/L | 1 | 10/3/2010 |
| Ethylbenzene | ND | 0.500 | | µg/L | 1 | 10/3/2010 |
| Xylenes, Total | ND | 1.50 | | µg/L | 1 | 10/3/2010 |
| Surr: 4-Bromofluorobenzene | 102 | 74.8-126 | | %REC | 1 | 10/3/2010 |
| NWTPH-GX | | | | | | Analyst: jrp |
| Gasoline | ND | 100 | | µg/L | 1 | 10/3/2010 |
| Surr: 4-Bromofluorobenzene | 90.5 | 50-150 | | %REC | 1 | 10/3/2010 |

Specialty Analytical

Date: 06-Oct-10

CLIENT: Environmental Compliance Northwest, Inc.
Lab Order: 1009199
Project: Powell-Salem / 07-303
Lab ID: 1009199-02

Client Sample ID: MW-2
Collection Date: 9/29/2010 1:30:00 PM
Matrix: GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|--|--------|-----------------|------|---------------------|----|-----------------------|
| NWTPH-DX | | NWTPH-DX | | Analyst: jrj | | |
| Diesel | 2.99 | 0.0762 | L | mg/L | 1 | 10/1/2010 |
| Lube Oil | 0.339 | 0.190 | | mg/L | 1 | 10/1/2010 |
| Surr: o-Terphenyl | 124 | 50-150 | | %REC | 1 | 10/1/2010 |
| NWTPH-GX | | NWTPH-GX | | Analyst: jrj | | |
| Gasoline | 1700 | 100 | | µg/L | 1 | 10/5/2010 |
| Surr: 4-Bromofluorobenzene | 108 | 50-150 | | %REC | 1 | 10/5/2010 |
| DISSOLVED METALS BY ICP/MS | | SW6020 | | Analyst: cz | | |
| Cadmium | ND | 0.10 | | ug/L | 1 | 10/1/2010 8:50:00 PM |
| Chromium | ND | 1.0 | | ug/L | 1 | 10/1/2010 8:50:00 PM |
| Lead | 0.12 | 0.10 | | ug/L | 1 | 10/1/2010 8:50:00 PM |
| LOW LEVEL PAH BY GC/MS OARSIM (8270C) | | 8270SIM | | Analyst: bda | | |
| Acenaphthene | 1.88 | 0.0479 | | µg/L | 1 | 10/5/2010 5:38:00 PM |
| Acenaphthylene | 0.383 | 0.0479 | | µg/L | 1 | 10/5/2010 5:38:00 PM |
| Anthracene | 0.192 | 0.0479 | | µg/L | 1 | 10/5/2010 5:38:00 PM |
| Benz(a)anthracene | ND | 0.0479 | | µg/L | 1 | 10/5/2010 5:38:00 PM |
| Benzo(a)pyrene | ND | 0.0479 | | µg/L | 1 | 10/5/2010 5:38:00 PM |
| Benzo(b)fluoranthene | ND | 0.0479 | | µg/L | 1 | 10/5/2010 5:38:00 PM |
| Benzo(g,h,i)perylene | ND | 0.0479 | | µg/L | 1 | 10/5/2010 5:38:00 PM |
| Benzo(k)fluoranthene | ND | 0.0479 | | µg/L | 1 | 10/5/2010 5:38:00 PM |
| Chrysene | ND | 0.0479 | | µg/L | 1 | 10/5/2010 5:38:00 PM |
| Dibenz(a,h)anthracene | ND | 0.0479 | | µg/L | 1 | 10/5/2010 5:38:00 PM |
| Fluoranthene | ND | 0.0479 | | µg/L | 1 | 10/5/2010 5:38:00 PM |
| Fluorene | 4.08 | 0.0479 | | µg/L | 1 | 10/5/2010 5:38:00 PM |
| Indeno(1,2,3-cd)pyrene | ND | 0.0479 | | µg/L | 1 | 10/5/2010 5:38:00 PM |
| Naphthalene | 0.795 | 0.0479 | | µg/L | 1 | 10/5/2010 5:38:00 PM |
| Phenanthrene | 2.89 | 0.0479 | | µg/L | 1 | 10/5/2010 5:38:00 PM |
| Pyrene | 0.0862 | 0.0479 | | µg/L | 1 | 10/5/2010 5:38:00 PM |
| Surr: 2-Fluorobiphenyl | 57.2 | 18.6-106 | | %REC | 1 | 10/5/2010 5:38:00 PM |
| Surr: Nitrobenzene-d5 | 62.9 | 17-130 | | %REC | 1 | 10/5/2010 5:38:00 PM |
| Surr: p-Terphenyl-d14 | 66.5 | 39.6-131 | | %REC | 1 | 10/5/2010 5:38:00 PM |
| VOLATILE ORGANICS BY GC/MS | | SW8260B | | Analyst: kmn | | |
| 1,2,4-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 10/1/2010 1:28:00 PM |
| 1,2-Dibromoethane | ND | 1.00 | | µg/L | 1 | 10/1/2010 1:28:00 PM |
| 1,2-Dichloroethane | ND | 1.00 | | µg/L | 1 | 10/1/2010 1:28:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 10/1/2010 1:28:00 PM |
| Benzene | 213 | 0.600 | | µg/L | 2 | 10/1/2010 12:52:00 PM |
| Ethylbenzene | 7.51 | 1.00 | | µg/L | 1 | 10/1/2010 1:28:00 PM |
| Isopropylbenzene | 47.2 | 1.00 | | µg/L | 1 | 10/1/2010 1:28:00 PM |
| m,p-Xylene | ND | 2.00 | | µg/L | 1 | 10/1/2010 1:28:00 PM |

Specialty Analytical

Date: 06-Oct-10

CLIENT: Environmental Compliance Northwest, Inc.
Lab Order: 1009199
Project: Powell-Salem / 07-303
Lab ID: 1009199-02

Client Sample ID: MW-2
Collection Date: 9/29/2010 1:30:00 PM
Matrix: GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|-----------------------------------|--------|----------------|------|-------|----|----------------------|
| VOLATILE ORGANICS BY GC/MS | | SW8260B | | | | Analyst: kmn |
| Methyl tert-butyl ether | ND | 1.00 | | µg/L | 1 | 10/1/2010 1:28:00 PM |
| n-Propylbenzene | 137 | 1.00 | | µg/L | 1 | 10/1/2010 1:28:00 PM |
| Naphthalene | 3.64 | 1.00 | | µg/L | 1 | 10/1/2010 1:28:00 PM |
| o-Xylene | 2.30 | 1.00 | | µg/L | 1 | 10/1/2010 1:28:00 PM |
| Toluene | 1.49 | 1.00 | | µg/L | 1 | 10/1/2010 1:28:00 PM |
| Surr: 1,2-Dichloroethane-d4 | 93.8 | 72.2-129 | | %REC | 1 | 10/1/2010 1:28:00 PM |
| Surr: 4-Bromofluorobenzene | 93.6 | 73.5-125 | | %REC | 1 | 10/1/2010 1:28:00 PM |
| Surr: Dibromofluoromethane | 90.7 | 58.8-148 | | %REC | 1 | 10/1/2010 1:28:00 PM |
| Surr: Toluene-d8 | 96.8 | 79.8-137 | | %REC | 1 | 10/1/2010 1:28:00 PM |

Specialty Analytical

Date: 06-Oct-10

CLIENT: Environmental Compliance Northwest, Inc.
Lab Order: 1009199
Project: Powell-Salem / 07-303
Lab ID: 1009199-03

Client Sample ID: MW-3
Collection Date: 9/29/2010 12:30:00 PM
Matrix: GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|--|--------|-----------------|------|---------------------|----|-----------------------|
| NWTPH-DX | | NWTPH-DX | | Analyst: jrj | | |
| Diesel | 2.31 | 0.0777 | | mg/L | 1 | 10/1/2010 |
| Lube Oil | ND | 0.194 | | mg/L | 1 | 10/1/2010 |
| Surr: o-Terphenyl | 73.0 | 50-150 | | %REC | 1 | 10/1/2010 |
| NWTPH-GX | | NWTPH-GX | | Analyst: jrj | | |
| Gasoline | ND | 100 | | µg/L | 1 | 10/5/2010 |
| Surr: 4-Bromofluorobenzene | 116 | 50-150 | | %REC | 1 | 10/5/2010 |
| DISSOLVED METALS BY ICP/MS | | SW6020 | | Analyst: cz | | |
| Lead | ND | 0.10 | | ug/L | 1 | 10/1/2010 8:23:00 PM |
| LOW LEVEL PAH BY GC/MS OARSIM (8270C) | | 8270SIM | | Analyst: bda | | |
| Acenaphthene | ND | 0.0477 | | µg/L | 1 | 10/5/2010 1:16:00 PM |
| Acenaphthylene | ND | 0.0477 | | µg/L | 1 | 10/5/2010 1:16:00 PM |
| Anthracene | ND | 0.0477 | | µg/L | 1 | 10/5/2010 1:16:00 PM |
| Benz(a)anthracene | ND | 0.0477 | | µg/L | 1 | 10/5/2010 1:16:00 PM |
| Benzo(a)pyrene | ND | 0.0477 | | µg/L | 1 | 10/5/2010 1:16:00 PM |
| Benzo(b)fluoranthene | ND | 0.0477 | | µg/L | 1 | 10/5/2010 1:16:00 PM |
| Benzo(g,h,i)perylene | ND | 0.0477 | | µg/L | 1 | 10/5/2010 1:16:00 PM |
| Benzo(k)fluoranthene | ND | 0.0477 | | µg/L | 1 | 10/5/2010 1:16:00 PM |
| Chrysene | ND | 0.0477 | | µg/L | 1 | 10/5/2010 1:16:00 PM |
| Dibenz(a,h)anthracene | ND | 0.0477 | | µg/L | 1 | 10/5/2010 1:16:00 PM |
| Fluoranthene | ND | 0.0477 | | µg/L | 1 | 10/5/2010 1:16:00 PM |
| Fluorene | ND | 0.0477 | | µg/L | 1 | 10/5/2010 1:16:00 PM |
| Indeno(1,2,3-cd)pyrene | ND | 0.0477 | | µg/L | 1 | 10/5/2010 1:16:00 PM |
| Naphthalene | 0.0858 | 0.0477 | | µg/L | 1 | 10/5/2010 1:16:00 PM |
| Phenanthrene | 0.0763 | 0.0477 | | µg/L | 1 | 10/5/2010 1:16:00 PM |
| Pyrene | ND | 0.0477 | | µg/L | 1 | 10/5/2010 1:16:00 PM |
| Surr: 2-Fluorobiphenyl | 58.7 | 18.6-106 | | %REC | 1 | 10/5/2010 1:16:00 PM |
| Surr: Nitrobenzene-d5 | 58.4 | 17-130 | | %REC | 1 | 10/5/2010 1:16:00 PM |
| Surr: p-Terphenyl-d14 | 75.8 | 39.6-131 | | %REC | 1 | 10/5/2010 1:16:00 PM |
| VOLATILE ORGANICS BY GC/MS | | SW8260B | | Analyst: kmm | | |
| 1,2,4-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 10/1/2010 12:12:00 PM |
| 1,2-Dibromoethane | ND | 1.00 | | µg/L | 1 | 10/1/2010 12:12:00 PM |
| 1,2-Dichloroethane | ND | 1.00 | | µg/L | 1 | 10/1/2010 12:12:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 10/1/2010 12:12:00 PM |
| Benzene | ND | 0.300 | | µg/L | 1 | 10/1/2010 12:12:00 PM |
| Ethylbenzene | ND | 1.00 | | µg/L | 1 | 10/1/2010 12:12:00 PM |
| Isopropylbenzene | ND | 1.00 | | µg/L | 1 | 10/1/2010 12:12:00 PM |
| m,p-Xylene | ND | 2.00 | | µg/L | 1 | 10/1/2010 12:12:00 PM |
| Methyl tert-butyl ether | ND | 1.00 | | µg/L | 1 | 10/1/2010 12:12:00 PM |
| n-Propylbenzene | ND | 1.00 | | µg/L | 1 | 10/1/2010 12:12:00 PM |

Specialty Analytical

Date: 06-Oct-10

CLIENT: Environmental Compliance Northwest, Inc.
Lab Order: 1009199
Project: Powell-Salem / 07-303
Lab ID: 1009199-03

Client Sample ID: MW-3
Collection Date: 9/29/2010 12:30:00 PM
Matrix: GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|-----------------------------------|--------|----------|------|-------|----|-----------------------|
| VOLATILE ORGANICS BY GC/MS | | | | | | Analyst: kmn |
| Naphthalene | ND | 1.00 | | µg/L | 1 | 10/1/2010 12:12:00 PM |
| o-Xylene | ND | 1.00 | | µg/L | 1 | 10/1/2010 12:12:00 PM |
| Toluene | ND | 1.00 | | µg/L | 1 | 10/1/2010 12:12:00 PM |
| Surr: 1,2-Dichloroethane-d4 | 93.6 | 72.2-129 | | %REC | 1 | 10/1/2010 12:12:00 PM |
| Surr: 4-Bromofluorobenzene | 94.2 | 73.5-125 | | %REC | 1 | 10/1/2010 12:12:00 PM |
| Surr: Dibromofluoromethane | 99.8 | 58.8-148 | | %REC | 1 | 10/1/2010 12:12:00 PM |
| Surr: Toluene-d8 | 102 | 79.8-137 | | %REC | 1 | 10/1/2010 12:12:00 PM |

Specialty Analytical

Date: 06-Oct-10

CLIENT: Environmental Compliance Northwest, Inc.
Lab Order: 1009199
Project: Powell-Salem / 07-303
Lab ID: 1009199-04

Client Sample ID: MW-4
Collection Date: 9/29/2010 2:00:00 PM
Matrix: GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|-----------------------------------|--------|-----------------|------|-------|----|----------------------|
| NWTPH-DX | | NWTPH-DX | | | | Analyst: jrp |
| Diesel | 0.133 | 0.0766 | | mg/L | 1 | 10/1/2010 |
| Lube Oil | ND | 0.191 | | mg/L | 1 | 10/1/2010 |
| Surr: o-Terphenyl | 77.1 | 50-150 | | %REC | 1 | 10/1/2010 |
| NWTPH-GX | | NWTPH-GX | | | | Analyst: jrp |
| Gasoline | 724 | 100 | | µg/L | 1 | 10/4/2010 |
| Surr: 4-Bromofluorobenzene | 112 | 50-150 | | %REC | 1 | 10/4/2010 |
| VOLATILE ORGANICS BY GC/MS | | SW8260B | | | | Analyst: kmn |
| 1,2,4-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 9/30/2010 6:12:00 PM |
| 1,2-Dibromoethane | ND | 1.00 | | µg/L | 1 | 9/30/2010 6:12:00 PM |
| 1,2-Dichloroethane | ND | 1.00 | | µg/L | 1 | 9/30/2010 6:12:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 9/30/2010 6:12:00 PM |
| Benzene | 71.5 | 0.300 | | µg/L | 1 | 9/30/2010 6:12:00 PM |
| Ethylbenzene | 37.1 | 1.00 | | µg/L | 1 | 9/30/2010 6:12:00 PM |
| Isopropylbenzene | 9.77 | 1.00 | | µg/L | 1 | 9/30/2010 6:12:00 PM |
| m,p-Xylene | ND | 2.00 | | µg/L | 1 | 9/30/2010 6:12:00 PM |
| Methyl tert-butyl ether | ND | 1.00 | | µg/L | 1 | 9/30/2010 6:12:00 PM |
| n-Propylbenzene | 14.6 | 1.00 | | µg/L | 1 | 9/30/2010 6:12:00 PM |
| Naphthalene | 15.2 | 1.00 | | µg/L | 1 | 9/30/2010 6:12:00 PM |
| o-Xylene | 1.57 | 1.00 | | µg/L | 1 | 9/30/2010 6:12:00 PM |
| Toluene | 1.28 | 1.00 | | µg/L | 1 | 9/30/2010 6:12:00 PM |
| Surr: 1,2-Dichloroethane-d4 | 91.1 | 72.2-129 | | %REC | 1 | 9/30/2010 6:12:00 PM |
| Surr: 4-Bromofluorobenzene | 90.3 | 73.5-125 | | %REC | 1 | 9/30/2010 6:12:00 PM |
| Surr: Dibromofluoromethane | 81.7 | 58.8-148 | | %REC | 1 | 9/30/2010 6:12:00 PM |
| Surr: Toluene-d8 | 101 | 79.8-137 | | %REC | 1 | 9/30/2010 6:12:00 PM |

Specialty Analytical

Date: 06-Oct-10

CLIENT: Environmental Compliance Northwest, Inc.
Lab Order: 1009199
Project: Powell-Salem / 07-303
Lab ID: 1009199-05

Client Sample ID: MW-5
Collection Date: 9/29/2010 11:30:00 AM
Matrix: GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|----------------------------|--------|----------------|------|-------|----|---------------|
| NWTPH-DX | | | | | | Analyst: jrp |
| Diesel | ND | 0.0764 | | mg/L | 1 | 10/1/2010 |
| Lube Oil | ND | 0.191 | | mg/L | 1 | 10/1/2010 |
| Surr: o-Terphenyl | 73.0 | 50-150 | | %REC | 1 | 10/1/2010 |
| BTEX - RBC | | | | | | Analyst: jrp |
| | | SW8021B | | | | |
| Benzene | ND | 0.300 | | µg/L | 1 | 10/3/2010 |
| Toluene | ND | 0.500 | | µg/L | 1 | 10/3/2010 |
| Ethylbenzene | ND | 0.500 | | µg/L | 1 | 10/3/2010 |
| Xylenes, Total | ND | 1.50 | | µg/L | 1 | 10/3/2010 |
| Surr: 4-Bromofluorobenzene | 103 | 74.8-126 | | %REC | 1 | 10/3/2010 |
| NWTPH-GX | | | | | | Analyst: jrp |
| Gasoline | ND | 100 | | µg/L | 1 | 10/3/2010 |
| Surr: 4-Bromofluorobenzene | 90.1 | 50-150 | | %REC | 1 | 10/3/2010 |

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1009199
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_WDISS

| | | | | | | | | | | | |
|---------------------------------|------------------------|-----------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1009199-03CMS | SampType: MS | TestCode: 6020_WDISS | Units: ug/L | Prep Date: 10/1/2010 | Run ID: ICPMS_101001A | | | | | | |
| Client ID: MW-3 | Batch ID: 26696 | TestNo: SW6020 | | Analysis Date: 10/1/2010 | SeqNo: 701033 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | 52.26 | 0.10 | 50 | 0.05965 | 104 | 70 | 130 | 0 | 0 | | |

| | | | | | | | | | | | |
|----------------------------------|------------------------|-----------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1009199-03CMSD | SampType: MSD | TestCode: 6020_WDISS | Units: ug/L | Prep Date: 10/1/2010 | Run ID: ICPMS_101001A | | | | | | |
| Client ID: MW-3 | Batch ID: 26696 | TestNo: SW6020 | | Analysis Date: 10/1/2010 | SeqNo: 701034 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | 55.25 | 0.10 | 50 | 0.05965 | 110 | 70 | 130 | 52.26 | 5.56 | 20 | |

| | | | | | | | | | | | |
|----------------------------------|------------------------|-----------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1009199-03CDUP | SampType: DUP | TestCode: 6020_WDISS | Units: ug/L | Prep Date: 10/1/2010 | Run ID: ICPMS_101001A | | | | | | |
| Client ID: MW-3 | Batch ID: 26696 | TestNo: SW6020 | | Analysis Date: 10/1/2010 | SeqNo: 701032 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | 0.05355 | 0.10 | 0 | 0 | 0 | 0 | 0 | 0.05965 | 0 | 20 | J |

| | | | | | | | | | | | |
|------------------------|------------------------|-----------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: 6020_WDISS | Units: ug/L | Prep Date: | Run ID: ICPMS_101001A | | | | | | |
| Client ID: ZZZZ | Batch ID: 26696 | TestNo: SW6020 | | Analysis Date: 10/1/2010 | SeqNo: 701020 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | 50.37 | 0.10 | 50 | 0 | 101 | 90 | 110 | 0 | 0 | | |

| | | | | | | | | | | | |
|------------------------|------------------------|-----------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: 6020_WDISS | Units: ug/L | Prep Date: | Run ID: ICPMS_101001A | | | | | | |
| Client ID: ZZZZ | Batch ID: 26696 | TestNo: SW6020 | | Analysis Date: 10/1/2010 | SeqNo: 701030 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | 50.46 | 0.10 | 50 | 0 | 101 | 90 | 110 | 0 | 0 | | |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1009199
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_WDISS

| | | | | | | | | | | | |
|-------------------------|------------------------|-----------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: 6020_WDISS | Units: ug/L | Prep Date: | Run ID: ICPMS_101001A | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26696 | TestNo: SW6020 | | Analysis Date: 10/1/2010 | SeqNo: 701039 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | |
|------|-------|------|----|---|-----|----|-----|---|---|--|
| Lead | 51.22 | 0.10 | 50 | 0 | 102 | 90 | 110 | 0 | 0 | |
|------|-------|------|----|---|-----|----|-----|---|---|--|

| | | | | | | | | | | | |
|-----------------------------|------------------------|-----------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: ICB-26696 | SampType: ICB | TestCode: 6020_WDISS | Units: ug/L | Prep Date: 10/1/2010 | Run ID: ICPMS_101001A | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26696 | TestNo: SW6020 | | Analysis Date: 10/1/2010 | SeqNo: 701021 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | |
|------|----|------|---|---|---|---|---|---|---|--|
| Lead | ND | 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|------|----|------|---|---|---|---|---|---|---|--|

| | | | | | | | | | | | |
|-------------------------|------------------------|-----------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: ICV | SampType: ICV | TestCode: 6020_WDISS | Units: ug/L | Prep Date: | Run ID: ICPMS_101001A | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26696 | TestNo: SW6020 | | Analysis Date: 10/1/2010 | SeqNo: 701019 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | |
|------|-------|------|----|---|------|----|-----|---|---|--|
| Lead | 49.76 | 0.10 | 50 | 0 | 99.5 | 90 | 110 | 0 | 0 | |
|------|-------|------|----|---|------|----|-----|---|---|--|

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1009199
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

| Sample ID: MB-26676 | | SampType: MBLK | | TestCode: 8260_W | | Units: µg/L | | Prep Date: 9/29/2010 | | Run ID: 5973J_100929B | |
|-----------------------------|--------|------------------------|-----------|-------------------------|------|--------------------|-----------|---------------------------------|------|------------------------------|------|
| Client ID: ZZZZZ | | Batch ID: 26676 | | TestNo: SW8260B | | | | Analysis Date: 9/29/2010 | | SeqNo: 701472 | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,2,4-Trimethylbenzene | ND | 1.00 | | | | | | | | | |
| 1,2-Dibromoethane | ND | 1.00 | | | | | | | | | |
| 1,2-Dichloroethane | ND | 1.00 | | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.00 | | | | | | | | | |
| Benzene | ND | 0.300 | | | | | | | | | |
| Ethylbenzene | 0.11 | 1.00 | | | | | | | | | J |
| Isopropylbenzene | ND | 1.00 | | | | | | | | | |
| m,p-Xylene | ND | 2.00 | | | | | | | | | |
| Methyl tert-butyl ether | ND | 1.00 | | | | | | | | | |
| n-Propylbenzene | ND | 1.00 | | | | | | | | | |
| Naphthalene | ND | 1.00 | | | | | | | | | |
| o-Xylene | ND | 1.00 | | | | | | | | | |
| Toluene | ND | 1.00 | | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 93.56 | 0 | 100 | 0 | 93.6 | 72.2 | 129 | 0 | 0 | | |
| Surr: 4-Bromofluorobenzene | 93.12 | 0 | 100 | 0 | 93.1 | 73.5 | 125 | 0 | 0 | | |
| Surr: Dibromofluoromethane | 95.85 | 0 | 100 | 0 | 95.8 | 58.8 | 148 | 0 | 0 | | |
| Surr: Toluene-d8 | 105.6 | 0 | 100 | 0 | 106 | 79.8 | 137 | 0 | 0 | | |

| Sample ID: MB-26676 | | SampType: MBLK | | TestCode: 8260_W | | Units: µg/L | | Prep Date: 9/29/2010 | | Run ID: 5973J_100929B | |
|----------------------------|--------|------------------------|-----------|-------------------------|------|--------------------|-----------|---------------------------------|------|------------------------------|------|
| Client ID: ZZZZZ | | Batch ID: 26676 | | TestNo: SW8260B | | | | Analysis Date: 9/30/2010 | | SeqNo: 701475 | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,2,4-Trimethylbenzene | ND | 1.00 | | | | | | | | | |
| 1,2-Dibromoethane | ND | 1.00 | | | | | | | | | |
| 1,2-Dichloroethane | ND | 1.00 | | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.00 | | | | | | | | | |
| Benzene | ND | 0.300 | | | | | | | | | |
| Ethylbenzene | ND | 1.00 | | | | | | | | | |
| Isopropylbenzene | ND | 1.00 | | | | | | | | | |
| m,p-Xylene | ND | 2.00 | | | | | | | | | |
| Methyl tert-butyl ether | ND | 1.00 | | | | | | | | | |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1009199
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

| | | | | | | | | | | | |
|----------------------------|------------------------|-------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: MB-26676 | SampType: MBLK | TestCode: 8260_W | Units: µg/L | Prep Date: 9/29/2010 | Run ID: 5973J_100929B | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26676 | TestNo: SW8260B | | Analysis Date: 9/30/2010 | SeqNo: 701475 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|-----------------------------|-------|------|-----|---|------|------|-----|---|---|--|--|
| n-Propylbenzene | ND | 1.00 | | | | | | | | | |
| Naphthalene | ND | 1.00 | | | | | | | | | |
| o-Xylene | ND | 1.00 | | | | | | | | | |
| Toluene | ND | 1.00 | | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 93.04 | 0 | 100 | 0 | 93 | 72.2 | 129 | 0 | 0 | | |
| Surr: 4-Bromofluorobenzene | 93.56 | 0 | 100 | 0 | 93.6 | 73.5 | 125 | 0 | 0 | | |
| Surr: Dibromofluoromethane | 94.29 | 0 | 100 | 0 | 94.3 | 58.8 | 148 | 0 | 0 | | |
| Surr: Toluene-d8 | 103.7 | 0 | 100 | 0 | 104 | 79.8 | 137 | 0 | 0 | | |

| | | | | | | | | | | | |
|-----------------------------|------------------------|-------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: LCS-26676 | SampType: LCS | TestCode: 8260_W | Units: µg/L | Prep Date: 9/29/2010 | Run ID: 5973J_100929B | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26676 | TestNo: SW8260B | | Analysis Date: 9/29/2010 | SeqNo: 701466 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|---------|-------|-------|----|---|------|------|-----|---|---|--|--|
| Benzene | 39.35 | 0.300 | 40 | 0 | 98.4 | 77.9 | 125 | 0 | 0 | | |
| Toluene | 45.07 | 1.00 | 40 | 0 | 113 | 74.6 | 119 | 0 | 0 | | |

| | | | | | | | | | | | |
|----------------------------------|------------------------|-------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: A1009173-02AMS | SampType: MS | TestCode: 8260_W | Units: µg/L | Prep Date: 9/29/2010 | Run ID: 5973J_100929B | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26676 | TestNo: SW8260B | | Analysis Date: 9/29/2010 | SeqNo: 701467 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|---------|-------|-------|----|------|------|------|-----|---|---|--|--|
| Benzene | 37.96 | 0.300 | 40 | 0 | 94.9 | 71.5 | 118 | 0 | 0 | | |
| Toluene | 43.01 | 1.00 | 40 | 0.15 | 107 | 79.6 | 121 | 0 | 0 | | |

| | | | | | | | | | | | |
|-----------------------------------|------------------------|-------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: A1009173-02AMSD | SampType: MSD | TestCode: 8260_W | Units: µg/L | Prep Date: 9/29/2010 | Run ID: 5973J_100929B | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26676 | TestNo: SW8260B | | Analysis Date: 9/29/2010 | SeqNo: 701471 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|---------|-------|-------|----|------|------|------|-----|-------|------|----|--|
| Benzene | 35.14 | 0.300 | 40 | 0 | 87.8 | 71.5 | 118 | 37.96 | 7.72 | 20 | |
| Toluene | 41.88 | 1.00 | 40 | 0.15 | 104 | 79.6 | 121 | 43.01 | 2.66 | 20 | |

Qualifiers: ND - Not Detected at the Reporting Limit
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 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1009199
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

| | | | | | | | | | | | |
|-----------------------------|------------------------|-------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV-26676 | SampType: CCV | TestCode: 8260_W | Units: µg/L | Prep Date: | Run ID: 5973J_100929B | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26676 | TestNo: SW8260B | | Analysis Date: 9/29/2010 | SeqNo: 701465 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Ethylbenzene | 41.83 | 1.00 | 40 | 0 | 105 | 80 | 120 | 0 | 0 | | |
| Toluene | 43.28 | 1.00 | 40 | 0 | 108 | 80 | 120 | 0 | 0 | | |

| | | | | | | | | | | | |
|-----------------------------|------------------------|-------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV-26676 | SampType: CCV | TestCode: 8260_W | Units: µg/L | Prep Date: 9/29/2010 | Run ID: 5973J_100929B | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26676 | TestNo: SW8260B | | Analysis Date: 9/30/2010 | SeqNo: 701474 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Ethylbenzene | 39.63 | 1.00 | 40 | 0 | 99.1 | 80 | 120 | 0 | 0 | | |
| Toluene | 42.06 | 1.00 | 40 | 0 | 105 | 80 | 120 | 0 | 0 | | |

| | | | | | | | | | | | |
|-----------------------------|------------------------|-------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV-26676 | SampType: CCV | TestCode: 8260_W | Units: µg/L | Prep Date: | Run ID: 5973J_100929B | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26676 | TestNo: SW8260B | | Analysis Date: 10/1/2010 | SeqNo: 701479 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Ethylbenzene | 41.14 | 1.00 | 40 | 0 | 103 | 80 | 120 | 0 | 0 | | |
| Toluene | 41.7 | 1.00 | 40 | 0 | 104 | 80 | 120 | 0 | 0 | | |

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1009199
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEXRBC_W

| Sample ID: MB-26701 | | SampType: MBLK | | TestCode: BTEXRBC_W Units: µg/L | | Prep Date: 10/3/2010 | | Run ID: GC-I_101003A | | | |
|----------------------------|--------|------------------------|-----------|---|------|---------------------------------|-----------|-----------------------------|------|----------|------|
| Client ID: ZZZZZ | | Batch ID: 26701 | | TestNo: SW8021B | | Analysis Date: 10/3/2010 | | SeqNo: 700751 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene | 0.14 | 0.300 | | | | | | | | | J |
| Toluene | 0.19 | 0.500 | | | | | | | | | J |
| Ethylbenzene | 0.36 | 0.500 | | | | | | | | | J |
| Xylenes, Total | 0.83 | 1.50 | | | | | | | | | J |
| Surr: 4-Bromofluorobenzene | 102.2 | 0 | 100 | 0 | 102 | 74.8 | 126 | 0 | 0 | | |

| Sample ID: LCS-26701 | | SampType: LCS | | TestCode: BTEXRBC_W Units: µg/L | | Prep Date: 10/3/2010 | | Run ID: GC-I_101003A | | | |
|-----------------------------|--------|------------------------|-----------|---|------|---------------------------------|-----------|-----------------------------|------|----------|------|
| Client ID: ZZZZZ | | Batch ID: 26701 | | TestNo: SW8021B | | Analysis Date: 10/3/2010 | | SeqNo: 700750 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene | 44.34 | 0.300 | 50 | 0 | 88.7 | 75.8 | 113 | 0 | 0 | | |
| Toluene | 47.95 | 0.500 | 50 | 0 | 95.9 | 77 | 116 | 0 | 0 | | |
| Ethylbenzene | 50.18 | 0.500 | 50 | 0 | 100 | 76.6 | 118 | 0 | 0 | | |
| Xylenes, Total | 153.7 | 1.50 | 150 | 0 | 102 | 76.7 | 118 | 0 | 0 | | |

| Sample ID: 1009198-01BMS | | SampType: MS | | TestCode: BTEXRBC_W Units: µg/L | | Prep Date: 10/3/2010 | | Run ID: GC-I_101003A | | | |
|---------------------------------|--------|------------------------|-----------|---|------|---------------------------------|-----------|-----------------------------|------|----------|------|
| Client ID: ZZZZZ | | Batch ID: 26701 | | TestNo: SW8021B | | Analysis Date: 10/3/2010 | | SeqNo: 700753 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene | 20.91 | 0.300 | 25 | 0.19 | 82.9 | 67.8 | 118 | 0 | 0 | | |
| Toluene | 22.81 | 0.500 | 25 | 0.2 | 90.4 | 74.7 | 117 | 0 | 0 | | |
| Ethylbenzene | 23.33 | 0.500 | 25 | 0.18 | 92.6 | 74.5 | 115 | 0 | 0 | | |
| Xylenes, Total | 71.82 | 1.50 | 75 | 0.9 | 94.6 | 76.8 | 120 | 0 | 0 | | |

| Sample ID: 1009198-01BMSD | | SampType: MSD | | TestCode: BTEXRBC_W Units: µg/L | | Prep Date: 10/3/2010 | | Run ID: GC-I_101003A | | | |
|----------------------------------|--------|------------------------|-----------|---|------|---------------------------------|-----------|-----------------------------|------|----------|------|
| Client ID: ZZZZZ | | Batch ID: 26701 | | TestNo: SW8021B | | Analysis Date: 10/3/2010 | | SeqNo: 700754 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene | 22.03 | 0.300 | 25 | 0.19 | 87.4 | 67.8 | 118 | 20.91 | 5.22 | 20 | |
| Toluene | 24.16 | 0.500 | 25 | 0.2 | 95.8 | 74.7 | 117 | 22.81 | 5.75 | 20 | |
| Ethylbenzene | 24.7 | 0.500 | 25 | 0.18 | 98.1 | 74.5 | 115 | 23.33 | 5.70 | 20 | |

Qualifiers: ND - Not Detected at the Reporting Limit
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 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1009199
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEXRBC_W

| | | | | | | | | | | | |
|----------------------------------|------------------------|----------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1009198-01BMSD | SampType: MSD | TestCode: BTEXRBC_W | Units: µg/L | Prep Date: 10/3/2010 | Run ID: GC-I_101003A | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26701 | TestNo: SW8021B | | Analysis Date: 10/3/2010 | SeqNo: 700754 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Xylenes, Total | 76.02 | 1.50 | 75 | 0.9 | 100 | 76.8 | 120 | 71.82 | 5.68 | 20 | |

| | | | | | | | | | | | |
|-------------------------|------------------------|----------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: BTEXRBC_W | Units: µg/L | Prep Date: | Run ID: GC-I_101003A | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26701 | TestNo: SW8021B | | Analysis Date: 10/3/2010 | SeqNo: 700749 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene | 44.34 | 0.300 | 50 | 0 | 88.7 | 85 | 115 | 0 | 0 | | |
| Toluene | 47.95 | 0.500 | 50 | 0 | 95.9 | 85 | 115 | 0 | 0 | | |
| Ethylbenzene | 50.18 | 0.500 | 50 | 0 | 100 | 85 | 115 | 0 | 0 | | |
| Xylenes, Total | 153.7 | 1.50 | 150 | 0 | 102 | 85 | 115 | 0 | 0 | | |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

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 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1009199
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDXLL_W

| Sample ID: MB-26697 | SampType: MBLK | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: 10/1/2010 | Run ID: GC-M_101001B | | | | | | |
|----------------------------|------------------------|----------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 26697 | TestNo: NWTPH-Dx | | Analysis Date: 10/1/2010 | SeqNo: 700682 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|-------------------|---------|--------|-----|---|------|----|-----|---|---|--|---|
| Diesel | ND | 0.0800 | | | | | | | | | |
| Lube Oil | 0.06272 | 0.200 | | | | | | | | | J |
| Surr: o-Terphenyl | 0.1643 | 0 | 0.2 | 0 | 82.2 | 50 | 150 | 0 | 0 | | |

| Sample ID: LCS-26697 | SampType: LCS | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: 10/1/2010 | Run ID: GC-M_101001B | | | | | | |
|-----------------------------|------------------------|----------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 26697 | TestNo: NWTPH-Dx | | Analysis Date: 10/1/2010 | SeqNo: 700683 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|--------|--------|---|---|------|------|-----|---|---|--|--|
| Diesel | 0.9603 | 0.0800 | 1 | 0 | 96 | 60.7 | 121 | 0 | 0 | | |
| Lube Oil | 0.8711 | 0.200 | 1 | 0 | 87.1 | 64 | 126 | 0 | 0 | | |

| Sample ID: LCSD-26697 | SampType: LCSD | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: 10/1/2010 | Run ID: GC-M_101001B | | | | | | |
|------------------------------|------------------------|----------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 26697 | TestNo: NWTPH-Dx | | Analysis Date: 10/1/2010 | SeqNo: 700684 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|--------|--------|---|---|------|------|-----|--------|------|----|--|
| Diesel | 0.9211 | 0.0800 | 1 | 0 | 92.1 | 60.7 | 121 | 0.9603 | 4.16 | 20 | |
| Lube Oil | 0.9175 | 0.200 | 1 | 0 | 91.7 | 64 | 126 | 0.8711 | 5.18 | 20 | |

| Sample ID: CCV | SampType: CCV | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: | Run ID: GC-M_101001B | | | | | | |
|-------------------------|------------------------|----------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 26697 | TestNo: NWTPH-Dx | | Analysis Date: 10/1/2010 | SeqNo: 700681 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|-------|--------|-------|---|------|----|-----|---|---|--|--|
| Diesel | 8.741 | 0.0800 | 8.155 | 0 | 107 | 85 | 115 | 0 | 0 | | |
| Lube Oil | 3.746 | 0.200 | 4.12 | 0 | 90.9 | 85 | 115 | 0 | 0 | | |

| Sample ID: CCV | SampType: CCV | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: | Run ID: GC-M_101001B | | | | | | |
|-------------------------|------------------------|----------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 26697 | TestNo: NWTPH-Dx | | Analysis Date: 10/1/2010 | SeqNo: 700694 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|--------|-------|--------|-------|---|-----|----|-----|---|---|--|--|
| Diesel | 6.581 | 0.0800 | 6.116 | 0 | 108 | 85 | 115 | 0 | 0 | | |
|--------|-------|--------|-------|---|-----|----|-----|---|---|--|--|

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1009199
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDXLL_W

| | | | | | | | | | | | |
|-------------------------|------------------------|----------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: | Run ID: GC-M_101001B | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26697 | TestNo: NWTPH-Dx | | Analysis Date: 10/1/2010 | SeqNo: 700694 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|-------|-------|------|---|------|----|-----|---|---|--|--|
| Lube Oil | 2.864 | 0.200 | 3.09 | 0 | 92.7 | 85 | 115 | 0 | 0 | | |
|----------|-------|-------|------|---|------|----|-----|---|---|--|--|

| | | | | | | | | | | | |
|-------------------------|------------------------|----------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: | Run ID: GC-M_101001B | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26697 | TestNo: NWTPH-Dx | | Analysis Date: 10/3/2010 | SeqNo: 700736 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|-------|--------|-------|---|------|----|-----|---|---|--|--|
| Diesel | 9.161 | 0.0800 | 8.155 | 0 | 112 | 85 | 115 | 0 | 0 | | |
| Lube Oil | 3.887 | 0.200 | 4.12 | 0 | 94.3 | 85 | 115 | 0 | 0 | | |

| | | | | | | | | | | | |
|-------------------------|------------------------|----------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: | Run ID: GC-M_101001B | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26697 | TestNo: NWTPH-Dx | | Analysis Date: 10/3/2010 | SeqNo: 700748 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|-------|--------|-------|---|------|----|-----|---|---|--|--|
| Diesel | 7.019 | 0.0800 | 6.116 | 0 | 115 | 85 | 115 | 0 | 0 | | |
| Lube Oil | 3.065 | 0.200 | 3.09 | 0 | 99.2 | 85 | 115 | 0 | 0 | | |

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CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1009199
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_W

| | | | | | | | | | | | |
|----------------------------|------------------------|---------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: MB-26704 | SampType: MBLK | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: 10/3/2010 | Run ID: GC-I_101003B | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26704 | TestNo: NWTPH-Gx | | Analysis Date: 10/3/2010 | SeqNo: 700763 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------------------------|-------|-----|-----|---|------|----|-----|---|---|--|---|
| Gasoline | 54.51 | 100 | | | | | | | | | J |
| Surr: 4-Bromofluorobenzene | 94.75 | 0 | 100 | 0 | 94.8 | 50 | 150 | 0 | 0 | | |

| | | | | | | | | | | | |
|----------------------------|------------------------|---------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: MB-26720 | SampType: MBLK | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: 10/4/2010 | Run ID: GC-S_101004C | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26720 | TestNo: NWTPH-Gx | | Analysis Date: 10/4/2010 | SeqNo: 700979 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------------------------|-------|-----|-----|---|-----|----|-----|---|---|--|---|
| Gasoline | 64.59 | 100 | | | | | | | | | J |
| Surr: 4-Bromofluorobenzene | 118.1 | 0 | 100 | 0 | 118 | 50 | 150 | 0 | 0 | | |

| | | | | | | | | | | | |
|-----------------------------|------------------------|---------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: LCS-26704 | SampType: LCS | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: 10/3/2010 | Run ID: GC-I_101003B | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26704 | TestNo: NWTPH-Gx | | Analysis Date: 10/3/2010 | SeqNo: 700762 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|------|-----|------|---|------|------|-----|---|---|--|--|
| Gasoline | 2494 | 100 | 2500 | 0 | 99.8 | 74.4 | 128 | 0 | 0 | | |
|----------|------|-----|------|---|------|------|-----|---|---|--|--|

| | | | | | | | | | | | |
|-----------------------------|------------------------|---------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: LCS-26720 | SampType: LCS | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: 10/4/2010 | Run ID: GC-S_101004C | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26720 | TestNo: NWTPH-Gx | | Analysis Date: 10/4/2010 | SeqNo: 700978 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|------|-----|------|---|-----|------|-----|---|---|--|--|
| Gasoline | 2009 | 100 | 2000 | 0 | 100 | 74.4 | 128 | 0 | 0 | | |
|----------|------|-----|------|---|-----|------|-----|---|---|--|--|

| | | | | | | | | | | | |
|----------------------------------|------------------------|---------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1009198-01BDUP | SampType: DUP | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: 10/3/2010 | Run ID: GC-I_101003B | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26704 | TestNo: NWTPH-Gx | | Analysis Date: 10/3/2010 | SeqNo: 700765 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|-------|-----|---|---|---|---|---|-------|---|----|---|
| Gasoline | 19.48 | 100 | 0 | 0 | 0 | 0 | 0 | 35.43 | 0 | 20 | J |
|----------|-------|-----|---|---|---|---|---|-------|---|----|---|

Qualifiers: ND - Not Detected at the Reporting Limit
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 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1009199
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_W

| | | | | | | | | | | | |
|----------------------------------|------------------------|---------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1010008-01CDUP | SampType: DUP | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: 10/4/2010 | Run ID: GC-S_101004C | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26720 | TestNo: NWTPH-Gx | | Analysis Date: 10/4/2010 | SeqNo: 700982 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline | 42.77 | 100 | 0 | 0 | 0 | 0 | 0 | 36.13 | 0 | 20 | J |

| | | | | | | | | | | | |
|-------------------------|------------------------|---------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: | Run ID: GC-I_101003B | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26704 | TestNo: NWTPH-Gx | | Analysis Date: 10/3/2010 | SeqNo: 700772 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline | 2756 | 100 | 3000 | 0 | 91.9 | 80 | 120 | 0 | 0 | | |

| | | | | | | | | | | | |
|-------------------------|------------------------|---------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: | Run ID: GC-S_101004C | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26720 | TestNo: NWTPH-Gx | | Analysis Date: 10/4/2010 | SeqNo: 700980 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline | 2432 | 100 | 2500 | 0 | 97.3 | 80 | 120 | 0 | 0 | | |

| | | | | | | | | | | | |
|-------------------------|------------------------|---------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: | Run ID: GC-S_101004C | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26720 | TestNo: NWTPH-Gx | | Analysis Date: 10/4/2010 | SeqNo: 700989 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline | 2849 | 100 | 3000 | 0 | 95 | 80 | 120 | 0 | 0 | | |

| | | | | | | | | | | | |
|-------------------------|------------------------|---------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: | Run ID: GC-S_101004C | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26720 | TestNo: NWTPH-Gx | | Analysis Date: 10/5/2010 | SeqNo: 701040 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline | 1938 | 100 | 2000 | 0 | 96.9 | 80 | 120 | 0 | 0 | | |

| | | | | | | | | | | | |
|-------------------------|------------------------|---------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: | Run ID: GC-S_101004C | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26720 | TestNo: NWTPH-Gx | | Analysis Date: 10/5/2010 | SeqNo: 701046 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline | | | | | | | | | | | |

Qualifiers: ND - Not Detected at the Reporting Limit
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CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1009199
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_W

| Sample ID: CCV | SampType: CCV | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: | Run ID: GC-S_101004C | | | | | | |
|-------------------------|------------------------|---------------------------|--------------------|---------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 26720 | TestNo: NWTPH-Gx | | Analysis Date: 10/5/2010 | SeqNo: 701046 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline | 2321 | 100 | 2500 | 0 | 92.9 | 80 | 120 | 0 | 0 | | |

Qualifiers: ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1009199
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: PAHLL_W

| Sample ID: MB-26719 | SampType: MBLK | TestCode: PAHLL_W | Units: µg/L | Prep Date: 10/4/2010 | Run ID: 5973G_101005A | | | | | | |
|----------------------------|------------------------|--------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 26719 | TestNo: 8270SIM | | Analysis Date: 10/5/2010 | SeqNo: 701100 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acenaphthene | 0.01 | 0.0500 | | | | | | | | | J |
| Acenaphthylene | ND | 0.0500 | | | | | | | | | |
| Anthracene | ND | 0.0500 | | | | | | | | | |
| Benz(a)anthracene | 0.01 | 0.0500 | | | | | | | | | J |
| Benzo(a)pyrene | 0.02 | 0.0500 | | | | | | | | | J |
| Benzo(b)fluoranthene | 0.01 | 0.0500 | | | | | | | | | J |
| Benzo(g,h,i)perylene | 0.03 | 0.0500 | | | | | | | | | J |
| Benzo(k)fluoranthene | 0.01 | 0.0500 | | | | | | | | | J |
| Chrysene | 0.01 | 0.0500 | | | | | | | | | J |
| Dibenz(a,h)anthracene | 0.02 | 0.0500 | | | | | | | | | J |
| Fluoranthene | 0.01 | 0.0500 | | | | | | | | | J |
| Fluorene | ND | 0.0500 | | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | 0.03 | 0.0500 | | | | | | | | | J |
| Naphthalene | 0.03 | 0.0500 | | | | | | | | | J |
| Phenanthrene | 0.02 | 0.0500 | | | | | | | | | J |
| Pyrene | 0.01 | 0.0500 | | | | | | | | | J |
| Surr: 2-Fluorobiphenyl | 38.63 | 1.00 | 100 | 0 | 38.6 | 18.6 | 106 | 0 | 0 | | |
| Surr: Nitrobenzene-d5 | 66.85 | 1.00 | 100 | 0 | 66.8 | 17 | 130 | 0 | 0 | | |
| Surr: p-Terphenyl-d14 | 71.17 | 1.00 | 100 | 0 | 71.2 | 39.6 | 131 | 0 | 0 | | |

| Sample ID: LCS-26719 | SampType: LCS | TestCode: PAHLL_W | Units: µg/L | Prep Date: 10/4/2010 | Run ID: 5973G_101005A | | | | | | |
|-----------------------------|------------------------|--------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 26719 | TestNo: 8270SIM | | Analysis Date: 10/5/2010 | SeqNo: 701098 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acenaphthene | 3.5 | 0.0500 | 5 | 0 | 70 | 35.1 | 100 | 0 | 0 | | |
| Benzo(g,h,i)perylene | 3.09 | 0.0500 | 5 | 0 | 61.8 | 20.8 | 120 | 0 | 0 | | |
| Chrysene | 3.21 | 0.0500 | 5 | 0 | 64.2 | 39.1 | 119 | 0 | 0 | | |
| Naphthalene | 3.47 | 0.0500 | 5 | 0 | 69.4 | 25.6 | 106 | 0 | 0 | | |
| Phenanthrene | 3.26 | 0.0500 | 5 | 0 | 65.2 | 38.1 | 106 | 0 | 0 | | |
| Pyrene | 3.8 | 0.0500 | 5 | 0 | 76 | 41.3 | 118 | 0 | 0 | | |

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CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1009199
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: PAHLL_W

| Sample ID: LCSD-26719 | SampType: LCSD | TestCode: PAHLL_W | Units: µg/L | Prep Date: 10/4/2010 | Run ID: 5973G_101005A | | | | | | |
|------------------------------|------------------------|--------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 26719 | TestNo: 8270SIM | | Analysis Date: 10/5/2010 | SeqNo: 701099 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acenaphthene | 3.23 | 0.0500 | 5 | 0 | 64.6 | 35.1 | 100 | 3.5 | 8.02 | 20 | |
| Benzo(g,h,i)perylene | 2.91 | 0.0500 | 5 | 0 | 58.2 | 20.8 | 120 | 3.09 | 6.00 | 20 | |
| Chrysene | 3.05 | 0.0500 | 5 | 0 | 61 | 39.1 | 119 | 3.21 | 5.11 | 20 | |
| Naphthalene | 2.93 | 0.0500 | 5 | 0 | 58.6 | 25.6 | 106 | 3.47 | 16.9 | 20 | |
| Phenanthrene | 3.05 | 0.0500 | 5 | 0 | 61 | 38.1 | 106 | 3.26 | 6.66 | 20 | |
| Pyrene | 3.61 | 0.0500 | 5 | 0 | 72.2 | 41.3 | 118 | 3.8 | 5.13 | 20 | |

| Sample ID: CCV-26719 | SampType: CCV | TestCode: PAHLL_W | Units: µg/Kg | Prep Date: | Run ID: 5973G_101005A | | | | | | |
|-----------------------------|------------------------|--------------------------|---------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 26719 | TestNo: 8270SIM | | Analysis Date: 10/5/2010 | SeqNo: 701097 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acenaphthene | 2.23 | 6.67 | 2 | 0 | 112 | 70 | 130 | 0 | 0 | | |
| Acenaphthylene | 2.42 | 6.67 | 2 | 0 | 121 | 70 | 130 | 0 | 0 | | |
| Anthracene | 2.07 | 6.67 | 2 | 0 | 104 | 70 | 130 | 0 | 0 | | |
| Benz(a)anthracene | 1.89 | 6.67 | 2 | 0 | 94.5 | 70 | 130 | 0 | 0 | | |
| Benzo(a)pyrene | 1.94 | 6.67 | 2 | 0 | 97 | 70 | 130 | 0 | 0 | | |
| Benzo(b)fluoranthene | 1.96 | 6.67 | 2 | 0 | 98 | 70 | 130 | 0 | 0 | | |
| Benzo(g,h,i)perylene | 1.8 | 6.67 | 2 | 0 | 90 | 70 | 130 | 0 | 0 | | |
| Benzo(k)fluoranthene | 1.8 | 6.67 | 2 | 0 | 90 | 70 | 130 | 0 | 0 | | |
| Chrysene | 1.83 | 6.67 | 2 | 0 | 91.5 | 70 | 130 | 0 | 0 | | |
| Dibenz(a,h)anthracene | 1.93 | 6.67 | 2 | 0 | 96.5 | 70 | 130 | 0 | 0 | | |
| Fluoranthene | 2.04 | 6.67 | 2 | 0 | 102 | 70 | 130 | 0 | 0 | | |
| Fluorene | 2.22 | 6.67 | 2 | 0 | 111 | 70 | 130 | 0 | 0 | | |
| Indeno(1,2,3-cd)pyrene | 1.89 | 6.67 | 2 | 0 | 94.5 | 70 | 130 | 0 | 0 | | |
| Naphthalene | 2.28 | 6.67 | 2 | 0 | 114 | 70 | 130 | 0 | 0 | | |
| Phenanthrene | 2.02 | 6.67 | 2 | 0 | 101 | 70 | 130 | 0 | 0 | | |
| Pyrene | 2.33 | 6.67 | 2 | 0 | 116 | 70 | 130 | 0 | 0 | | |

Qualifiers: ND - Not Detected at the Reporting Limit
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KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- * The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

CHAIN OF CUSTODY RECORD

Specialty Analytical

11711 SE Capps Road
Clackamas, OR 97015
Phone: 503-607-1331
Fax: 503-607-1336

Contact Person/Project Manager John Ay

Company ECN

Address PO Box 230163

Portland, OR 97281

Phone 3729760 Fax 2179980

Project No. 07-303 Project Name powell. Salem

Project Site Location OR X WA _____ Other _____

Invoice To _____ P.O. No. _____

Collected By: [Signature]
Signature: John Ay
Printed: John Ay

Signature: _____
Printed: _____

Turn Around Time _____

Normal 5-7 Business Days

Rush _____

Specify _____

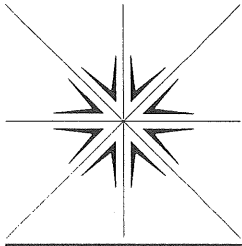
Rush Analyses Must Be Scheduled With The Lab In Advance

| Date | Time | Sample I.D. | Matrix | No. of Containers | Analyses | | | | For Laboratory Use | | | | | |
|---------|------|-------------|--------|-------------------|----------|--------|------|----------------|--------------------|-------------|--------------|------------------------|----------------------------------|-----------------------------------|
| | | | | | TPH-4x | TPH-1x | PAHS | pb (dissolved) | Lab Job No. | Shipped Via | Air Bill No. | Temperature On Receipt | Specialty Analytical Containers? | Specialty Analytical Trip Blanks? |
| 9/29/10 | 1200 | MW-1 | w | 5 | X | X | X | X | 1009199 | Client | | 4 °C | Y | N |
| | 1330 | MW-2 | ✓ | 6 | X | X | X | X | | | | | | |
| | 1230 | MW-3 | ✓ | 6 | X | X | X | X | | | | | | |
| | 1400 | MW-4 | ✓ | 5 | X | X | X | X | | | | | | |
| | 1130 | MW-5 | ✓ | 5 | X | X | X | X | | | | | | |

| Relinquished By: | Date | Time | Received By: | Date | Time |
|------------------|---------|------|--------------------|---------|------|
| <u>ECN</u> | 9/29/10 | 1705 | <u>[Signature]</u> | 9/29/10 | 1705 |

Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.
Samples held beyond 60 days subject to storage fee(s)

Copies: White-Original Yellow-Project File Pink-Customer Copy



Specialty Analytical

11711 SE Capps Road
Clackamas, OR 97015
(503) 607-1331
Fax (503) 607-1336

July 09, 2010

John Day
Environmental Compliance Northwest, Inc.
P.O. Box 230163
Portland, OR 97281
TEL: (503) 372-9760
FAX: (503) 213-9980

RE: Powell-Salem / 07303

Dear John Day:

Order No.: 1007029

Specialty Analytical received 4 samples on 7/2/2010 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,


Cindy Hilliard
Project Manager


Technical Review

Specialty Analytical

Date: 09-Jul-10

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Salem / 07303

Lab Order: 1007029

Lab ID: 1007029-01

Collection Date: 6/30/2010 8:30:00 AM

Client Sample ID: MW-1

Matrix: GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|-----------------------------------|--------|-----------------|------|---------------------|----|---------------------|
| NWTPH-DX | | NWTPH-DX | | Analyst: jrp | | |
| Diesel | 0.380 | 0.0832 | A1 | mg/L | 1 | 7/7/2010 |
| Lube Oil | 0.350 | 0.208 | A2 | mg/L | 1 | 7/7/2010 |
| Surr: o-Terphenyl | 89.1 | 50-150 | | %REC | 1 | 7/7/2010 |
| NWTPH-GX | | NWTPH-GX | | Analyst: jrp | | |
| Gasoline | ND | 100 | | µg/L | 1 | 7/9/2010 |
| Surr: 4-Bromofluorobenzene | 115 | 50-150 | | %REC | 1 | 7/9/2010 |
| VOLATILE ORGANICS BY GC/MS | | SW8260B | | Analyst: kmn | | |
| 1,2,4-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 7/7/2010 3:40:00 PM |
| 1,2-Dibromoethane | ND | 1.00 | | µg/L | 1 | 7/7/2010 3:40:00 PM |
| 1,2-Dichloroethane | ND | 1.00 | | µg/L | 1 | 7/7/2010 3:40:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 7/7/2010 3:40:00 PM |
| Benzene | ND | 0.300 | | µg/L | 1 | 7/7/2010 3:40:00 PM |
| Ethylbenzene | ND | 1.00 | | µg/L | 1 | 7/7/2010 3:40:00 PM |
| Isopropylbenzene | ND | 1.00 | | µg/L | 1 | 7/7/2010 3:40:00 PM |
| m,p-Xylene | ND | 2.00 | | µg/L | 1 | 7/7/2010 3:40:00 PM |
| Methyl tert-butyl ether | ND | 1.00 | | µg/L | 1 | 7/7/2010 3:40:00 PM |
| n-Propylbenzene | ND | 1.00 | | µg/L | 1 | 7/7/2010 3:40:00 PM |
| Naphthalene | ND | 1.00 | | µg/L | 1 | 7/7/2010 3:40:00 PM |
| o-Xylene | ND | 1.00 | | µg/L | 1 | 7/7/2010 3:40:00 PM |
| Toluene | ND | 1.00 | | µg/L | 1 | 7/7/2010 3:40:00 PM |
| Surr: 1,2-Dichloroethane-d4 | 95.4 | 72.2-129 | | %REC | 1 | 7/7/2010 3:40:00 PM |
| Surr: 4-Bromofluorobenzene | 85.8 | 73.5-125 | | %REC | 1 | 7/7/2010 3:40:00 PM |
| Surr: Dibromofluoromethane | 108 | 58.8-148 | | %REC | 1 | 7/7/2010 3:40:00 PM |
| Surr: Toluene-d8 | 91.7 | 79.8-137 | | %REC | 1 | 7/7/2010 3:40:00 PM |

Specialty Analytical

Date: 09-Jul-10

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Salem / 07303

Lab Order: 1007029

Lab ID: 1007029-02

Collection Date: 6/30/2010 10:30:00 AM

Client Sample ID: MW-2

Matrix: GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|--|--------|-----------------|------|---------------------|----|---------------------|
| NWTPH-DX | | NWTPH-DX | | Analyst: jrp | | |
| Diesel | 3.75 | 0.0760 | A1 | mg/L | 1 | 7/7/2010 |
| Lube Oil | 0.723 | 0.190 | A2 | mg/L | 1 | 7/7/2010 |
| Surr: o-Terphenyl | 106 | 50-150 | | %REC | 1 | 7/7/2010 |
| NWTPH-GX | | NWTPH-GX | | Analyst: jrp | | |
| Gasoline | 2700 | 100 | | µg/L | 1 | 7/9/2010 |
| Surr: 4-Bromofluorobenzene | 123 | 50-150 | | %REC | 1 | 7/9/2010 |
| DISSOLVED METALS BY ICP/MS | | SW6020 | | Analyst: zau | | |
| Cadmium | ND | 0.10 | | ug/L | 1 | 7/6/2010 6:29:00 PM |
| Chromium | ND | 1.0 | | ug/L | 1 | 7/6/2010 6:29:00 PM |
| Lead | ND | 0.10 | | ug/L | 1 | 7/6/2010 6:29:00 PM |
| LOW LEVEL PAH BY GC/MS OARSIM (8270C) | | 8270SIM | | Analyst: bda | | |
| Acenaphthene | 1.95 | 0.0473 | | µg/L | 1 | 7/7/2010 9:26:00 AM |
| Acenaphthylene | 0.369 | 0.0473 | | µg/L | 1 | 7/7/2010 9:26:00 AM |
| Anthracene | 0.123 | 0.0473 | | µg/L | 1 | 7/7/2010 9:26:00 AM |
| Benz(a)anthracene | ND | 0.0473 | | µg/L | 1 | 7/7/2010 9:26:00 AM |
| Benzo(a)pyrene | ND | 0.0473 | | µg/L | 1 | 7/7/2010 9:26:00 AM |
| Benzo(b)fluoranthene | ND | 0.0473 | | µg/L | 1 | 7/7/2010 9:26:00 AM |
| Benzo(g,h,i)perylene | ND | 0.0473 | | µg/L | 1 | 7/7/2010 9:26:00 AM |
| Benzo(k)fluoranthene | ND | 0.0473 | | µg/L | 1 | 7/7/2010 9:26:00 AM |
| Chrysene | ND | 0.0473 | | µg/L | 1 | 7/7/2010 9:26:00 AM |
| Dibenz(a,h)anthracene | ND | 0.0473 | | µg/L | 1 | 7/7/2010 9:26:00 AM |
| Fluoranthene | ND | 0.0473 | | µg/L | 1 | 7/7/2010 9:26:00 AM |
| Fluorene | 3.64 | 0.0473 | | µg/L | 1 | 7/7/2010 9:26:00 AM |
| Indeno(1,2,3-cd)pyrene | ND | 0.0473 | | µg/L | 1 | 7/7/2010 9:26:00 AM |
| Naphthalene | 1.16 | 0.0473 | | µg/L | 1 | 7/7/2010 9:26:00 AM |
| Phenanthrene | 3.24 | 0.0473 | | µg/L | 1 | 7/7/2010 9:26:00 AM |
| Pyrene | 0.0851 | 0.0473 | | µg/L | 1 | 7/7/2010 9:26:00 AM |
| Surr: 2-Fluorobiphenyl | 67.2 | 18.6-106 | | %REC | 1 | 7/7/2010 9:26:00 AM |
| Surr: Nitrobenzene-d5 | 72.0 | 17-130 | | %REC | 1 | 7/7/2010 9:26:00 AM |
| Surr: p-Terphenyl-d14 | 104 | 39.6-131 | | %REC | 1 | 7/7/2010 9:26:00 AM |
| VOLATILE ORGANICS BY GC/MS | | SW8260B | | Analyst: kmn | | |
| 1,2,4-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 7/7/2010 4:15:00 PM |
| 1,2-Dibromoethane | ND | 1.00 | | µg/L | 1 | 7/7/2010 4:15:00 PM |
| 1,2-Dichloroethane | ND | 1.00 | | µg/L | 1 | 7/7/2010 4:15:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 7/7/2010 4:15:00 PM |
| Benzene | 239 | 1.50 | | µg/L | 5 | 7/7/2010 6:34:00 PM |
| Ethylbenzene | 6.70 | 1.00 | | µg/L | 1 | 7/7/2010 4:15:00 PM |

Specialty Analytical

Date: 09-Jul-10

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Salem / 07303

Lab Order: 1007029

VOLATILE ORGANICS BY GC/MS

SW8260B

Analyst: kmn

| | | | | | |
|-----------------------------|------|----------|------|---|---------------------|
| Isopropylbenzene | 36.2 | 1.00 | µg/L | 1 | 7/7/2010 4:15:00 PM |
| m,p-Xylene | ND | 2.00 | µg/L | 1 | 7/7/2010 4:15:00 PM |
| Methyl tert-butyl ether | ND | 1.00 | µg/L | 1 | 7/7/2010 4:15:00 PM |
| n-Propylbenzene | 107 | 1.00 | µg/L | 1 | 7/7/2010 4:15:00 PM |
| Naphthalene | 2.79 | 1.00 | µg/L | 1 | 7/7/2010 4:15:00 PM |
| o-Xylene | ND | 1.00 | µg/L | 1 | 7/7/2010 4:15:00 PM |
| Toluene | 1.19 | 1.00 | µg/L | 1 | 7/7/2010 4:15:00 PM |
| Surr: 1,2-Dichloroethane-d4 | 103 | 72.2-129 | %REC | 1 | 7/7/2010 4:15:00 PM |
| Surr: 4-Bromofluorobenzene | 81.1 | 73.5-125 | %REC | 1 | 7/7/2010 4:15:00 PM |
| Surr: Dibromofluoromethane | 106 | 58.8-148 | %REC | 1 | 7/7/2010 4:15:00 PM |
| Surr: Toluene-d8 | 82.7 | 79.8-137 | %REC | 1 | 7/7/2010 4:15:00 PM |

Specialty Analytical

Date: 09-Jul-10

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Salem / 07303

Lab Order: 1007029

Lab ID: 1007029-03

Collection Date: 6/30/2010 9:30:00 AM

Client Sample ID: MW-3

Matrix: GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|--|--------|-----------------|------|---------------------|----|----------------------|
| NWTPH-DX | | NWTPH-DX | | Analyst: jrj | | |
| Diesel | 0.562 | 0.0823 | A1 | mg/L | 1 | 7/7/2010 |
| Lube Oil | 0.412 | 0.206 | A2 | mg/L | 1 | 7/7/2010 |
| Surr: o-Terphenyl | 92.4 | 50-150 | | %REC | 1 | 7/7/2010 |
| NWTPH-GX | | NWTPH-GX | | Analyst: jrj | | |
| Gasoline | 109 | 100 | | µg/L | 1 | 7/9/2010 |
| Surr: 4-Bromofluorobenzene | 113 | 50-150 | | %REC | 1 | 7/9/2010 |
| DISSOLVED METALS BY ICP/MS | | SW6020 | | Analyst: zau | | |
| Lead | ND | 0.10 | | ug/L | 1 | 7/6/2010 5:48:00 PM |
| LOW LEVEL PAH BY GC/MS OARSIM (8270C) | | 8270SIM | | Analyst: bda | | |
| Acenaphthene | ND | 0.0511 | | µg/L | 1 | 7/6/2010 5:50:00 PM |
| Acenaphthylene | ND | 0.0511 | | µg/L | 1 | 7/6/2010 5:50:00 PM |
| Anthracene | ND | 0.0511 | | µg/L | 1 | 7/6/2010 5:50:00 PM |
| Benz(a)anthracene | ND | 0.0511 | | µg/L | 1 | 7/6/2010 5:50:00 PM |
| Benzo(a)pyrene | ND | 0.0511 | | µg/L | 1 | 7/6/2010 5:50:00 PM |
| Benzo(b)fluoranthene | ND | 0.0511 | | µg/L | 1 | 7/6/2010 5:50:00 PM |
| Benzo(g,h,i)perylene | ND | 0.0511 | | µg/L | 1 | 7/6/2010 5:50:00 PM |
| Benzo(k)fluoranthene | ND | 0.0511 | | µg/L | 1 | 7/6/2010 5:50:00 PM |
| Chrysene | ND | 0.0511 | | µg/L | 1 | 7/6/2010 5:50:00 PM |
| Dibenz(a,h)anthracene | ND | 0.0511 | | µg/L | 1 | 7/6/2010 5:50:00 PM |
| Fluoranthene | ND | 0.0511 | | µg/L | 1 | 7/6/2010 5:50:00 PM |
| Fluorene | 0.0920 | 0.0511 | | µg/L | 1 | 7/6/2010 5:50:00 PM |
| Indeno(1,2,3-cd)pyrene | ND | 0.0511 | | µg/L | 1 | 7/6/2010 5:50:00 PM |
| Naphthalene | ND | 0.0511 | | µg/L | 1 | 7/6/2010 5:50:00 PM |
| Phenanthrene | ND | 0.0511 | | µg/L | 1 | 7/6/2010 5:50:00 PM |
| Pyrene | ND | 0.0511 | | µg/L | 1 | 7/6/2010 5:50:00 PM |
| Surr: 2-Fluorobiphenyl | 58.1 | 18.6-106 | | %REC | 1 | 7/6/2010 5:50:00 PM |
| Surr: Nitrobenzene-d5 | 59.7 | 17-130 | | %REC | 1 | 7/6/2010 5:50:00 PM |
| Surr: p-Terphenyl-d14 | 83.8 | 39.6-131 | | %REC | 1 | 7/6/2010 5:50:00 PM |
| VOLATILE ORGANICS BY GC/MS | | SW8260B | | Analyst: kmn | | |
| 1,2,4-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 7/7/2010 4:50:00 PM |
| 1,2-Dibromoethane | ND | 1.00 | | µg/L | 1 | 7/7/2010 4:50:00 PM |
| 1,2-Dichloroethane | ND | 1.00 | | µg/L | 1 | 7/7/2010 4:50:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 7/7/2010 4:50:00 PM |
| Benzene | 0.990 | 0.300 | | µg/L | 1 | 7/8/2010 10:54:00 AM |
| Ethylbenzene | 2.56 | 1.00 | | µg/L | 1 | 7/7/2010 4:50:00 PM |
| Isopropylbenzene | ND | 1.00 | | µg/L | 1 | 7/7/2010 4:50:00 PM |
| m,p-Xylene | ND | 2.00 | | µg/L | 1 | 7/7/2010 4:50:00 PM |

Specialty Analytical

Date: 09-Jul-10

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Salem / 07303

Lab Order: 1007029

| VOLATILE ORGANICS BY GC/MS | | SW8260B | | Analyst: kmn | | |
|-----------------------------------|------|----------------|--------|--------------|---------------------|--|
| Methyl tert-butyl ether | ND | 1.00 | µg/L | 1 | 7/7/2010 4:50:00 PM | |
| n-Propylbenzene | 1.05 | 1.00 | µg/L | 1 | 7/7/2010 4:50:00 PM | |
| Naphthalene | ND | 1.00 | µg/L | 1 | 7/7/2010 4:50:00 PM | |
| o-Xylene | ND | 1.00 | µg/L | 1 | 7/7/2010 4:50:00 PM | |
| Toluene | ND | 1.00 | µg/L | 1 | 7/7/2010 4:50:00 PM | |
| Surr: 1,2-Dichloroethane-d4 | 86.2 | 72.2-129 | %REC | 1 | 7/7/2010 4:50:00 PM | |
| Surr: 4-Bromofluorobenzene | 78.7 | 73.5-125 | %REC | 1 | 7/7/2010 4:50:00 PM | |
| Surr: Dibromofluoromethane | 94.0 | 58.8-148 | %REC | 1 | 7/7/2010 4:50:00 PM | |
| Surr: Toluene-d8 | 78.1 | 79.8-137 | S %REC | 1 | 7/7/2010 4:50:00 PM | |

Lab ID: 1007029-04

Collection Date: 6/30/2010 7:30:00 AM

Client Sample ID: MW-4

Matrix: GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|----------|--------|-------|------|-------|----|---------------|
|----------|--------|-------|------|-------|----|---------------|

| NWTPH-DX | | NWTPH-DX | | Analyst: jrp | | |
|-------------------|-------|-----------------|--|--------------|---|----------|
| Diesel | ND | 0.0815 | | mg/L | 1 | 7/7/2010 |
| Lube Oil | 0.209 | 0.204 | | mg/L | 1 | 7/7/2010 |
| Surr: o-Terphenyl | 103 | 50-150 | | %REC | 1 | 7/7/2010 |

| NWTPH-GX | | NWTPH-GX | | Analyst: jrp | | |
|----------------------------|-----|-----------------|--|--------------|---|----------|
| Gasoline | ND | 100 | | µg/L | 1 | 7/9/2010 |
| Surr: 4-Bromofluorobenzene | 111 | 50-150 | | %REC | 1 | 7/9/2010 |

| VOLATILE ORGANICS BY GC/MS | | SW8260B | | Analyst: kmn | | |
|-----------------------------------|------|----------------|------|--------------|---------------------|--|
| 1,2,4-Trimethylbenzene | ND | 1.00 | µg/L | 1 | 7/7/2010 5:25:00 PM | |
| 1,2-Dibromoethane | ND | 1.00 | µg/L | 1 | 7/7/2010 5:25:00 PM | |
| 1,2-Dichloroethane | ND | 1.00 | µg/L | 1 | 7/7/2010 5:25:00 PM | |
| 1,3,5-Trimethylbenzene | ND | 1.00 | µg/L | 1 | 7/7/2010 5:25:00 PM | |
| Benzene | ND | 0.300 | µg/L | 1 | 7/7/2010 5:25:00 PM | |
| Ethylbenzene | ND | 1.00 | µg/L | 1 | 7/7/2010 5:25:00 PM | |
| Isopropylbenzene | ND | 1.00 | µg/L | 1 | 7/7/2010 5:25:00 PM | |
| m,p-Xylene | ND | 2.00 | µg/L | 1 | 7/7/2010 5:25:00 PM | |
| Methyl tert-butyl ether | ND | 1.00 | µg/L | 1 | 7/7/2010 5:25:00 PM | |
| n-Propylbenzene | ND | 1.00 | µg/L | 1 | 7/7/2010 5:25:00 PM | |
| Naphthalene | ND | 1.00 | µg/L | 1 | 7/7/2010 5:25:00 PM | |
| o-Xylene | ND | 1.00 | µg/L | 1 | 7/7/2010 5:25:00 PM | |
| Toluene | ND | 1.00 | µg/L | 1 | 7/7/2010 5:25:00 PM | |
| Surr: 1,2-Dichloroethane-d4 | 98.2 | 72.2-129 | %REC | 1 | 7/7/2010 5:25:00 PM | |
| Surr: 4-Bromofluorobenzene | 82.6 | 73.5-125 | %REC | 1 | 7/7/2010 5:25:00 PM | |
| Surr: Dibromofluoromethane | 104 | 58.8-148 | %REC | 1 | 7/7/2010 5:25:00 PM | |
| Surr: Toluene-d8 | 84.7 | 79.8-137 | %REC | 1 | 7/7/2010 5:25:00 PM | |

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1007029
Project: Powell-Salem / 07303

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_WDISS

| | | | | | | | | | | | |
|---------------------------------|------------------------|-----------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1007029-03CMS | SampType: MS | TestCode: 6020_WDISS | Units: ug/L | Prep Date: 7/6/2010 | Run ID: ICPMS_100706A | | | | | | |
| Client ID: MW-3 | Batch ID: 25986 | TestNo: SW6020 | | Analysis Date: 7/6/2010 | SeqNo: 684921 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Cadmium | 46.07 | 0.10 | 50 | 0 | 92.1 | 70 | 130 | 0 | 0 | | |
| Chromium | 43.22 | 1.0 | 50 | 0 | 86.4 | 70 | 130 | 0 | 0 | | |
| Lead | 46.1 | 0.10 | 50 | 0 | 92.2 | 70 | 130 | 0 | 0 | | |

| | | | | | | | | | | | |
|----------------------------------|------------------------|-----------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1007029-03CMSD | SampType: MSD | TestCode: 6020_WDISS | Units: ug/L | Prep Date: 7/6/2010 | Run ID: ICPMS_100706A | | | | | | |
| Client ID: MW-3 | Batch ID: 25986 | TestNo: SW6020 | | Analysis Date: 7/6/2010 | SeqNo: 684922 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Cadmium | 47.27 | 0.10 | 50 | 0 | 94.5 | 70 | 130 | 46.07 | 2.57 | 20 | |
| Chromium | 44.76 | 1.0 | 50 | 0 | 89.5 | 70 | 130 | 43.22 | 3.50 | 20 | |
| Lead | 47 | 0.10 | 50 | 0 | 94 | 70 | 130 | 46.1 | 1.93 | 20 | |

| | | | | | | | | | | | |
|----------------------------------|------------------------|-----------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1007029-03CDUP | SampType: DUP | TestCode: 6020_WDISS | Units: ug/L | Prep Date: 7/6/2010 | Run ID: ICPMS_100706A | | | | | | |
| Client ID: MW-3 | Batch ID: 25986 | TestNo: SW6020 | | Analysis Date: 7/6/2010 | SeqNo: 684920 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Cadmium | ND | 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | |
| Chromium | ND | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | |
| Lead | ND | 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | |

| | | | | | | | | | | | |
|-------------------------|------------------------|-----------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: 6020_WDISS | Units: ug/L | Prep Date: | Run ID: ICPMS_100706A | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25986 | TestNo: SW6020 | | Analysis Date: 7/6/2010 | SeqNo: 684917 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Cadmium | 53.13 | 0.10 | 50 | 0 | 106 | 90 | 110 | 0 | 0 | | |
| Chromium | 50.47 | 1.0 | 50 | 0 | 101 | 90 | 110 | 0 | 0 | | |
| Lead | 53.14 | 0.10 | 50 | 0 | 106 | 90 | 110 | 0 | 0 | | |

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1007029
Project: Powell-Salem / 07303

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_WDISS

| Sample ID: CCV | SampType: CCV | TestCode: 6020_WDISS | Units: ug/L | Prep Date: | Run ID: ICPMS_100706A | | | | | | |
|-------------------------|------------------------|-----------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25986 | TestNo: SW6020 | | Analysis Date: 7/6/2010 | SeqNo: 684923 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Cadmium | 52.68 | 0.10 | 50 | 0 | 105 | 90 | 110 | 0 | 0 | | |
| Chromium | 50.28 | 1.0 | 50 | 0 | 101 | 90 | 110 | 0 | 0 | | |
| Lead | 52.46 | 0.10 | 50 | 0 | 105 | 90 | 110 | 0 | 0 | | |

| Sample ID: CCV | SampType: CCV | TestCode: 6020_WDISS | Units: ug/L | Prep Date: | Run ID: ICPMS_100706A | | | | | | |
|-------------------------|------------------------|-----------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25986 | TestNo: SW6020 | | Analysis Date: 7/6/2010 | SeqNo: 684925 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Cadmium | 52.52 | 0.10 | 50 | 0 | 105 | 90 | 110 | 0 | 0 | | |
| Chromium | 49.52 | 1.0 | 50 | 0 | 99 | 90 | 110 | 0 | 0 | | |
| Lead | 52 | 0.10 | 50 | 0 | 104 | 90 | 110 | 0 | 0 | | |

| Sample ID: ICB-25986 | SampType: ICB | TestCode: 6020_WDISS | Units: ug/L | Prep Date: 7/6/2010 | Run ID: ICPMS_100706A | | | | | | |
|-----------------------------|------------------------|-----------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25986 | TestNo: SW6020 | | Analysis Date: 7/6/2010 | SeqNo: 684918 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Cadmium | ND | 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Chromium | ND | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Lead | ND | 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |

| Sample ID: ICV | SampType: ICV | TestCode: 6020_WDISS | Units: ug/L | Prep Date: | Run ID: ICPMS_100706A | | | | | | |
|-------------------------|------------------------|-----------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25986 | TestNo: SW6020 | | Analysis Date: 7/6/2010 | SeqNo: 684916 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Cadmium | 52.84 | 0.10 | 50 | 0 | 106 | 90 | 110 | 0 | 0 | | |
| Chromium | 50.97 | 1.0 | 50 | 0 | 102 | 90 | 110 | 0 | 0 | | |
| Lead | 52.79 | 0.10 | 50 | 0 | 106 | 90 | 110 | 0 | 0 | | |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1007029
Project: Powell-Salem / 07303

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

| Sample ID: MB-26002 | SampType: MBLK | TestCode: 8260_W | Units: µg/L | Prep Date: 7/7/2010 | Run ID: 5975X_100707B | | | | | | |
|-----------------------------|------------------------|-------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 26002 | TestNo: SW8260B | | Analysis Date: 7/7/2010 | SeqNo: 685199 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,2,4-Trimethylbenzene | ND | 1.00 | | | | | | | | | |
| 1,2-Dibromoethane | ND | 1.00 | | | | | | | | | |
| 1,2-Dichloroethane | ND | 1.00 | | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.00 | | | | | | | | | |
| Benzene | ND | 0.300 | | | | | | | | | |
| Ethylbenzene | 0.12 | 1.00 | | | | | | | | | J |
| Isopropylbenzene | ND | 1.00 | | | | | | | | | |
| m,p-Xylene | ND | 2.00 | | | | | | | | | |
| Methyl tert-butyl ether | ND | 1.00 | | | | | | | | | |
| n-Propylbenzene | ND | 1.00 | | | | | | | | | |
| Naphthalene | ND | 1.00 | | | | | | | | | |
| o-Xylene | ND | 1.00 | | | | | | | | | |
| Toluene | ND | 1.00 | | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 97.5 | 0 | 100 | 0 | 97.5 | 72.2 | 129 | 0 | 0 | | |
| Surr: 4-Bromofluorobenzene | 86.74 | 0 | 100 | 0 | 86.7 | 73.5 | 125 | 0 | 0 | | |
| Surr: Dibromofluoromethane | 106.3 | 0 | 100 | 0 | 106 | 58.8 | 148 | 0 | 0 | | |
| Surr: Toluene-d8 | 91.88 | 0 | 100 | 0 | 91.9 | 79.8 | 137 | 0 | 0 | | |

| Sample ID: LCS-26002 | SampType: LCS | TestCode: 8260_W | Units: µg/L | Prep Date: 7/7/2010 | Run ID: 5975X_100707B | | | | | | |
|-----------------------------|------------------------|-------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 26002 | TestNo: SW8260B | | Analysis Date: 7/7/2010 | SeqNo: 685198 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene | 38.46 | 0.300 | 40 | 0 | 96.2 | 77.9 | 125 | 0 | 0 | | |
| Toluene | 36.47 | 1.00 | 40 | 0 | 91.2 | 74.6 | 119 | 0 | 0 | | |

| Sample ID: A1007006-02BMS | SampType: MS | TestCode: 8260_W | Units: µg/L | Prep Date: 7/7/2010 | Run ID: 5975X_100707B | | | | | | |
|----------------------------------|------------------------|-------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 26002 | TestNo: SW8260B | | Analysis Date: 7/7/2010 | SeqNo: 685196 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene | 37.29 | 0.300 | 40 | 0 | 93.2 | 71.5 | 118 | 0 | 0 | | |
| Toluene | 37.28 | 1.00 | 40 | 0 | 93.2 | 79.6 | 121 | 0 | 0 | | |

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1007029
Project: Powell-Salem / 07303

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

| Sample ID: A1007006-02BMSD | SampType: MSD | TestCode: 8260_W | Units: µg/L | Prep Date: 7/7/2010 | Run ID: 5975X_100707B | | | | | | |
|-----------------------------------|------------------------|-------------------------|--------------------------------|----------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 26002 | TestNo: SW8260B | Analysis Date: 7/7/2010 | SeqNo: 685197 | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene | 36.61 | 0.300 | 40 | 0 | 91.5 | 71.5 | 118 | 37.29 | 1.84 | 20 | |
| Toluene | 34.61 | 1.00 | 40 | 0 | 86.5 | 79.6 | 121 | 37.28 | 7.43 | 20 | |

| Sample ID: CCV-26002 | SampType: CCV | TestCode: 8260_W | Units: µg/L | Prep Date: | Run ID: 5975X_100707B | | | | | | |
|-----------------------------|------------------------|-------------------------|--------------------------------|----------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 26002 | TestNo: SW8260B | Analysis Date: 7/7/2010 | SeqNo: 685193 | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Ethylbenzene | 32.54 | 1.00 | 40 | 0 | 81.4 | 80 | 120 | 0 | 0 | | |
| Toluene | 40.04 | 1.00 | 40 | 0 | 100 | 80 | 120 | 0 | 0 | | |

| Sample ID: CCV-26002 | SampType: CCV | TestCode: 8260_W | Units: µg/L | Prep Date: | Run ID: 5975X_100707B | | | | | | |
|-----------------------------|------------------------|-------------------------|--------------------------------|----------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 26002 | TestNo: SW8260B | Analysis Date: 7/8/2010 | SeqNo: 685209 | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Ethylbenzene | 32.52 | 1.00 | 40 | 0 | 81.3 | 80 | 120 | 0 | 0 | | |
| Toluene | 39.41 | 1.00 | 40 | 0 | 98.5 | 80 | 120 | 0 | 0 | | |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1007029
Project: Powell-Salem / 07303

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDXLL_W

| | | | | | | | | | | | |
|----------------------------|------------------------|----------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: MB-25987 | SampType: MBLK | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: 7/6/2010 | Run ID: GC-M_100707B | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25987 | TestNo: NWTPH-Dx | | Analysis Date: 7/7/2010 | SeqNo: 685093 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|-------------------|--------|--------|-----|---|-----|----|-----|---|---|--|---|
| Diesel | ND | 0.0800 | | | | | | | | | |
| Lube Oil | 0.0524 | 0.200 | | | | | | | | | J |
| Surr: o-Terphenyl | 0.2209 | 0 | 0.2 | 0 | 110 | 50 | 150 | 0 | 0 | | |

| | | | | | | | | | | | |
|-----------------------------|------------------------|----------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: LCS-25987 | SampType: LCS | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: 7/6/2010 | Run ID: GC-M_100707B | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25987 | TestNo: NWTPH-Dx | | Analysis Date: 7/7/2010 | SeqNo: 685094 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|--------|--------|---|---|------|------|-----|---|---|--|--|
| Diesel | 0.9874 | 0.0800 | 1 | 0 | 98.7 | 60.7 | 121 | 0 | 0 | | |
| Lube Oil | 0.9119 | 0.200 | 1 | 0 | 91.2 | 64 | 126 | 0 | 0 | | |

| | | | | | | | | | | | |
|------------------------------|------------------------|----------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: LCSD-25987 | SampType: LCSD | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: 7/6/2010 | Run ID: GC-M_100707B | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25987 | TestNo: NWTPH-Dx | | Analysis Date: 7/7/2010 | SeqNo: 685095 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|--------|--------|---|---|------|------|-----|--------|-------|----|--|
| Diesel | 0.9906 | 0.0800 | 1 | 0 | 99.1 | 60.7 | 121 | 0.9874 | 0.330 | 20 | |
| Lube Oil | 0.9332 | 0.200 | 1 | 0 | 93.3 | 64 | 126 | 0.9119 | 2.32 | 20 | |

| | | | | | | | | | | | |
|-------------------------|------------------------|----------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: | Run ID: GC-M_100707B | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25987 | TestNo: NWTPH-Dx | | Analysis Date: 7/7/2010 | SeqNo: 685092 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|-------|--------|-------|---|-----|----|-----|---|---|--|--|
| Diesel | 6.385 | 0.0800 | 6.045 | 0 | 106 | 85 | 115 | 0 | 0 | | |
| Lube Oil | 3.119 | 0.200 | 3.007 | 0 | 104 | 85 | 115 | 0 | 0 | | |

| | | | | | | | | | | | |
|-------------------------|------------------------|----------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: | Run ID: GC-M_100707B | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25987 | TestNo: NWTPH-Dx | | Analysis Date: 7/7/2010 | SeqNo: 685111 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|--------|-------|--------|------|---|-----|----|-----|---|---|--|--|
| Diesel | 8.873 | 0.0800 | 8.06 | 0 | 110 | 85 | 115 | 0 | 0 | | |
|--------|-------|--------|------|---|-----|----|-----|---|---|--|--|

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1007029
Project: Powell-Salem / 07303

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDXLL_W

| Sample ID: CCV | SampType: CCV | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: | Run ID: GC-M_100707B | | | | | | |
|-------------------------|------------------------|----------------------------|--------------------------------|----------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25987 | TestNo: NWTPH-Dx | Analysis Date: 7/7/2010 | SeqNo: 685111 | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lube Oil | 3.981 | 0.200 | 4.01 | 0 | 99.3 | 85 | 115 | 0 | 0 | | |

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1007029
Project: Powell-Salem / 07303

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_W

| | | | | | | | | | | | |
|----------------------------|------------------------|---------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: MB-26009 | SampType: MBLK | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: 7/9/2010 | Run ID: GC-I_100709A | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26009 | TestNo: NWTPH-Gx | | Analysis Date: 7/9/2010 | SeqNo: 685450 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------------------------|-------|-----|-----|---|-----|----|-----|---|---|--|---|
| Gasoline | 37.53 | 100 | | | | | | | | | J |
| Surr: 4-Bromofluorobenzene | 107.5 | 0 | 100 | 0 | 107 | 50 | 150 | 0 | 0 | | |

| | | | | | | | | | | | |
|-----------------------------|------------------------|---------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: LCS-26009 | SampType: LCS | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: 7/9/2010 | Run ID: GC-I_100709A | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26009 | TestNo: NWTPH-Gx | | Analysis Date: 7/9/2010 | SeqNo: 685449 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|------|-----|------|---|-----|------|-----|---|---|--|--|
| Gasoline | 2723 | 100 | 2500 | 0 | 109 | 74.4 | 128 | 0 | 0 | | |
|----------|------|-----|------|---|-----|------|-----|---|---|--|--|

| | | | | | | | | | | | |
|----------------------------------|------------------------|---------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1007029-03BDUP | SampType: DUP | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: 7/9/2010 | Run ID: GC-I_100709A | | | | | | |
| Client ID: MW-3 | Batch ID: 26009 | TestNo: NWTPH-Gx | | Analysis Date: 7/9/2010 | SeqNo: 685452 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|-------|-----|---|---|---|---|---|-------|------|----|--|
| Gasoline | 104.7 | 100 | 0 | 0 | 0 | 0 | 0 | 108.9 | 3.92 | 20 | |
|----------|-------|-----|---|---|---|---|---|-------|------|----|--|

| | | | | | | | | | | | |
|-------------------------|------------------------|---------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: | Run ID: GC-I_100709A | | | | | | |
| Client ID: ZZZZZ | Batch ID: 26009 | TestNo: NWTPH-Gx | | Analysis Date: 7/9/2010 | SeqNo: 685456 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|------|-----|------|---|-----|----|-----|---|---|--|--|
| Gasoline | 3164 | 100 | 3000 | 0 | 105 | 80 | 120 | 0 | 0 | | |
|----------|------|-----|------|---|-----|----|-----|---|---|--|--|

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1007029
Project: Powell-Salem / 07303

ANALYTICAL QC SUMMARY REPORT

TestCode: PAHLL_W

| Sample ID: MB-25984 | SampType: MBLK | TestCode: PAHLL_W | Units: µg/L | Prep Date: 7/6/2010 | Run ID: 5975Q_100706A | | | | | | |
|----------------------------|------------------------|--------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25984 | TestNo: 8270SIM | | Analysis Date: 7/6/2010 | SeqNo: 684835 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acenaphthene | ND | 0.0500 | | | | | | | | | |
| Acenaphthylene | ND | 0.0500 | | | | | | | | | |
| Anthracene | ND | 0.0500 | | | | | | | | | |
| Benz(a)anthracene | 0.02 | 0.0500 | | | | | | | | | J |
| Benzo(a)pyrene | 0.03 | 0.0500 | | | | | | | | | J |
| Benzo(b)fluoranthene | 0.04 | 0.0500 | | | | | | | | | J |
| Benzo(g,h,i)perylene | 0.01 | 0.0500 | | | | | | | | | J |
| Benzo(k)fluoranthene | 0.03 | 0.0500 | | | | | | | | | J |
| Chrysene | 0.01 | 0.0500 | | | | | | | | | J |
| Dibenz(a,h)anthracene | 0.01 | 0.0500 | | | | | | | | | J |
| Fluoranthene | 0.01 | 0.0500 | | | | | | | | | J |
| Fluorene | 0.01 | 0.0500 | | | | | | | | | J |
| Indeno(1,2,3-cd)pyrene | 0.01 | 0.0500 | | | | | | | | | J |
| Naphthalene | ND | 0.0500 | | | | | | | | | |
| Phenanthrene | 0.01 | 0.0500 | | | | | | | | | J |
| Pyrene | 0.01 | 0.0500 | | | | | | | | | J |
| Surr: 2-Fluorobiphenyl | 76.75 | 1.00 | 100 | 0 | 76.8 | 18.6 | 106 | 0 | 0 | | |
| Surr: Nitrobenzene-d5 | 78.6 | 1.00 | 100 | 0 | 78.6 | 17 | 130 | 0 | 0 | | |
| Surr: p-Terphenyl-d14 | 120 | 1.00 | 100 | 0 | 120 | 39.6 | 131 | 0 | 0 | | |

| Sample ID: LCS-25984 | SampType: LCS | TestCode: PAHLL_W | Units: µg/L | Prep Date: 7/6/2010 | Run ID: 5975Q_100706A | | | | | | |
|-----------------------------|------------------------|--------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25984 | TestNo: 8270SIM | | Analysis Date: 7/6/2010 | SeqNo: 684833 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acenaphthene | 3.42 | 0.0500 | 5 | 0 | 68.4 | 35.1 | 100 | 0 | 0 | | |
| Benzo(g,h,i)perylene | 4.68 | 0.0500 | 5 | 0 | 93.6 | 20.8 | 120 | 0 | 0 | | |
| Chrysene | 4.31 | 0.0500 | 5 | 0 | 86.2 | 39.1 | 119 | 0 | 0 | | |
| Naphthalene | 3.32 | 0.0500 | 5 | 0 | 66.4 | 25.6 | 106 | 0 | 0 | | |
| Phenanthrene | 3.72 | 0.0500 | 5 | 0 | 74.4 | 38.1 | 106 | 0 | 0 | | |
| Pyrene | 4.32 | 0.0500 | 5 | 0 | 86.4 | 41.3 | 118 | 0 | 0 | | |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

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 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1007029
Project: Powell-Salem / 07303

ANALYTICAL QC SUMMARY REPORT

TestCode: PAHLL_W

| Sample ID: LCSD-25984 | SampType: LCSD | TestCode: PAHLL_W | Units: µg/L | Prep Date: 7/6/2010 | Run ID: 5975Q_100706A | | | | | | |
|------------------------------|------------------------|--------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25984 | TestNo: 8270SIM | | Analysis Date: 7/6/2010 | SeqNo: 684834 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acenaphthene | 2.81 | 0.0500 | 5 | 0 | 56.2 | 35.1 | 100 | 3.42 | 19.6 | 20 | |
| Benzo(g,h,i)perylene | 3.3 | 0.0500 | 5 | 0 | 66 | 20.8 | 120 | 4.68 | 34.6 | 20 | R |
| Chrysene | 3.32 | 0.0500 | 5 | 0 | 66.4 | 39.1 | 119 | 4.31 | 26.0 | 20 | R |
| Naphthalene | 2.72 | 0.0500 | 5 | 0 | 54.4 | 25.6 | 106 | 3.32 | 19.9 | 20 | |
| Phenanthrene | 2.85 | 0.0500 | 5 | 0 | 57 | 38.1 | 106 | 3.72 | 26.5 | 20 | R |
| Pyrene | 3.27 | 0.0500 | 5 | 0 | 65.4 | 41.3 | 118 | 4.32 | 27.7 | 20 | R |

| Sample ID: CCV-25984 | SampType: CCV | TestCode: PAHLL_W | Units: µg/L | Prep Date: | Run ID: 5975Q_100706A | | | | | | |
|-----------------------------|------------------------|--------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25984 | TestNo: 8270SIM | | Analysis Date: 7/6/2010 | SeqNo: 684832 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acenaphthene | 1.02 | 0.0500 | 1 | 0 | 102 | 70 | 130 | 0 | 0 | | |
| Acenaphthylene | 1.01 | 0.0500 | 1 | 0 | 101 | 70 | 130 | 0 | 0 | | |
| Anthracene | 0.91 | 0.0500 | 1 | 0 | 91 | 70 | 130 | 0 | 0 | | |
| Benz(a)anthracene | 0.91 | 0.0500 | 1 | 0 | 91 | 70 | 130 | 0 | 0 | | |
| Benzo(a)pyrene | 0.94 | 0.0500 | 1 | 0 | 94 | 70 | 130 | 0 | 0 | | |
| Benzo(b)fluoranthene | 0.92 | 0.0500 | 1 | 0 | 92 | 70 | 130 | 0 | 0 | | |
| Benzo(g,h,i)perylene | 1.11 | 0.0500 | 1 | 0 | 111 | 70 | 130 | 0 | 0 | | |
| Benzo(k)fluoranthene | 1.18 | 0.0500 | 1 | 0 | 118 | 70 | 130 | 0 | 0 | | |
| Chrysene | 1.04 | 0.0500 | 1 | 0 | 104 | 70 | 130 | 0 | 0 | | |
| Dibenz(a,h)anthracene | 1.02 | 0.0500 | 1 | 0 | 102 | 70 | 130 | 0 | 0 | | |
| Fluoranthene | 0.89 | 0.0500 | 1 | 0 | 89 | 70 | 130 | 0 | 0 | | |
| Fluorene | 0.97 | 0.0500 | 1 | 0 | 97 | 70 | 130 | 0 | 0 | | |
| Indeno(1,2,3-cd)pyrene | 1.05 | 0.0500 | 1 | 0 | 105 | 70 | 130 | 0 | 0 | | |
| Naphthalene | 1 | 0.0500 | 1 | 0 | 100 | 70 | 130 | 0 | 0 | | |
| Phenanthrene | 0.99 | 0.0500 | 1 | 0 | 99 | 70 | 130 | 0 | 0 | | |
| Pyrene | 1.01 | 0.0500 | 1 | 0 | 101 | 70 | 130 | 0 | 0 | | |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1007029
Project: Powell-Salem / 07303

ANALYTICAL QC SUMMARY REPORT

TestCode: PAHLL_W

| Sample ID: CCV-25984 | SampType: CCV | TestCode: PAHLL_W | Units: µg/L | Prep Date: | Run ID: 5975Q_100706A | | | | | | |
|-----------------------------|------------------------|--------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25984 | TestNo: 8270SIM | | Analysis Date: 7/7/2010 | SeqNo: 684946 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acenaphthene | 0.91 | 0.0500 | 1 | 0 | 91 | 70 | 130 | 0 | 0 | | |
| Acenaphthylene | 0.94 | 0.0500 | 1 | 0 | 94 | 70 | 130 | 0 | 0 | | |
| Anthracene | 0.9 | 0.0500 | 1 | 0 | 90 | 70 | 130 | 0 | 0 | | |
| Benz(a)anthracene | 0.86 | 0.0500 | 1 | 0 | 86 | 70 | 130 | 0 | 0 | | |
| Benzo(a)pyrene | 0.86 | 0.0500 | 1 | 0 | 86 | 70 | 130 | 0 | 0 | | |
| Benzo(b)fluoranthene | 0.91 | 0.0500 | 1 | 0 | 91 | 70 | 130 | 0 | 0 | | |
| Benzo(g,h,i)perylene | 0.97 | 0.0500 | 1 | 0 | 97 | 70 | 130 | 0 | 0 | | |
| Benzo(k)fluoranthene | 0.95 | 0.0500 | 1 | 0 | 95 | 70 | 130 | 0 | 0 | | |
| Chrysene | 0.92 | 0.0500 | 1 | 0 | 92 | 70 | 130 | 0 | 0 | | |
| Dibenz(a,h)anthracene | 0.89 | 0.0500 | 1 | 0 | 89 | 70 | 130 | 0 | 0 | | |
| Fluoranthene | 0.88 | 0.0500 | 1 | 0 | 88 | 70 | 130 | 0 | 0 | | |
| Fluorene | 0.91 | 0.0500 | 1 | 0 | 91 | 70 | 130 | 0 | 0 | | |
| Indeno(1,2,3-cd)pyrene | 0.9 | 0.0500 | 1 | 0 | 90 | 70 | 130 | 0 | 0 | | |
| Naphthalene | 0.92 | 0.0500 | 1 | 0 | 92 | 70 | 130 | 0 | 0 | | |
| Phenanthrene | 0.89 | 0.0500 | 1 | 0 | 89 | 70 | 130 | 0 | 0 | | |
| Pyrene | 1.01 | 0.0500 | 1 | 0 | 101 | 70 | 130 | 0 | 0 | | |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

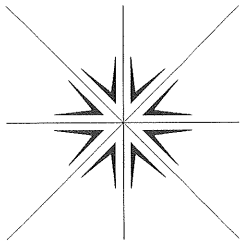
S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- * The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.



Specialty Analytical

11711 SE Capps Road
Clackamas, OR 97015
(503) 607-1331
Fax (503) 607-1336

April 15, 2010

John Day
Environmental Compliance Northwest, Inc.
P.O. Box 230163
Portland, OR 97281
TEL: (503) 372-9760
FAX: (503) 213-9980

RE: Powell-Salem / 07-303

Dear John Day:


Order No.: 1004008

Specialty Analytical received 5 samples on 4/1/2010 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,


Cindy Hillyard
Project Manager


Technical Review

Specialty Analytical

Date: 15-Apr-10

CLIENT: Environmental Compliance Northwest, Inc.

Client Sample ID: MW-1

Lab Order: 1004008

Collection Date: 3/31/2010 12:00:00 PM

Project: Powell-Salem / 07-303

Lab ID: 1004008-01

Matrix: GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|-----------------------------------|--------|-----------------|------|-------|----|---------------------|
| NWTPH-DX | | NWTPH-DX | | | | Analyst: jrj |
| Diesel | 0.212 | 0.0765 | | mg/L | 1 | 4/5/2010 |
| Lube Oil | 0.255 | 0.191 | | mg/L | 1 | 4/5/2010 |
| Surr: o-Terphenyl | 75.4 | 50-150 | | %REC | 1 | 4/5/2010 |
| NWTPH-GX | | NWTPH-GX | | | | Analyst: jrj |
| Gasoline | ND | 100 | | µg/L | 1 | 4/2/2010 |
| Surr: 4-Bromofluorobenzene | 63.1 | 50-150 | | %REC | 1 | 4/2/2010 |
| VOLATILE ORGANICS BY GC/MS | | SW8260B | | | | Analyst: kmn |
| 1,2,4-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 9:40:00 PM |
| 1,2-Dibromoethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 9:40:00 PM |
| 1,2-Dichloroethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 9:40:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 9:40:00 PM |
| Benzene | ND | 0.300 | | µg/L | 1 | 4/2/2010 9:40:00 PM |
| Ethylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 9:40:00 PM |
| Isopropylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 9:40:00 PM |
| m,p-Xylene | ND | 2.00 | | µg/L | 1 | 4/2/2010 9:40:00 PM |
| Methyl tert-butyl ether | ND | 1.00 | | µg/L | 1 | 4/2/2010 9:40:00 PM |
| n-Propylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 9:40:00 PM |
| Naphthalene | ND | 1.00 | | µg/L | 1 | 4/2/2010 9:40:00 PM |
| o-Xylene | ND | 1.00 | | µg/L | 1 | 4/2/2010 9:40:00 PM |
| Toluene | ND | 1.00 | | µg/L | 1 | 4/2/2010 9:40:00 PM |
| Surr: 1,2-Dichloroethane-d4 | 94.1 | 72.2-129 | | %REC | 1 | 4/2/2010 9:40:00 PM |
| Surr: 4-Bromofluorobenzene | 102 | 73.5-125 | | %REC | 1 | 4/2/2010 9:40:00 PM |
| Surr: Dibromofluoromethane | 92.5 | 58.8-148 | | %REC | 1 | 4/2/2010 9:40:00 PM |
| Surr: Toluene-d8 | 109 | 79.8-137 | | %REC | 1 | 4/2/2010 9:40:00 PM |

Specialty Analytical

Date: 15-Apr-10

CLIENT: Environmental Compliance Northwest, Inc.

Client Sample ID: MW-2

Lab Order: 1004008

Collection Date: 3/31/2010 3:00:00 PM

Project: Powell-Salem / 07-303

Lab ID: 1004008-02

Matrix: GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|--|--------|-----------------|------|---------------------|----|----------------------|
| NWTPH-DX | | NWTPH-DX | | Analyst: jrj | | |
| Diesel | 4.51 | 0.0769 | | mg/L | 1 | 4/5/2010 |
| Lube Oil | 0.819 | 0.192 | | mg/L | 1 | 4/5/2010 |
| Surr: o-Terphenyl | 108 | 50-150 | | %REC | 1 | 4/5/2010 |
| NWTPH-GX | | NWTPH-GX | | Analyst: jrj | | |
| Gasoline | 1810 | 100 | | µg/L | 1 | 4/2/2010 |
| Surr: 4-Bromofluorobenzene | 80.5 | 50-150 | | %REC | 1 | 4/2/2010 |
| DISSOLVED METALS BY ICP/MS | | SW6020 | | Analyst: zau | | |
| Cadmium | ND | 0.10 | | ug/L | 1 | 4/5/2010 5:53:00 PM |
| Chromium | ND | 1.0 | | ug/L | 1 | 4/5/2010 5:53:00 PM |
| Lead | ND | 0.10 | | ug/L | 1 | 4/5/2010 5:53:00 PM |
| LOW LEVEL PAH BY GC/MS OARSIM (8270C) | | 8270SIM | | Analyst: bda | | |
| Acenaphthene | 2.04 | 0.0500 | | µg/L | 1 | 4/2/2010 4:39:00 PM |
| Acenaphthylene | 0.508 | 0.0500 | | µg/L | 1 | 4/2/2010 4:39:00 PM |
| Anthracene | 0.171 | 0.0500 | | µg/L | 1 | 4/2/2010 4:39:00 PM |
| Benz(a)anthracene | ND | 0.0500 | | µg/L | 1 | 4/2/2010 4:39:00 PM |
| Benzo(a)pyrene | ND | 0.0500 | | µg/L | 1 | 4/2/2010 4:39:00 PM |
| Benzo(b)fluoranthene | ND | 0.0500 | | µg/L | 1 | 4/2/2010 4:39:00 PM |
| Benzo(g,h,i)perylene | ND | 0.0500 | | µg/L | 1 | 4/2/2010 4:39:00 PM |
| Benzo(k)fluoranthene | ND | 0.0500 | | µg/L | 1 | 4/2/2010 4:39:00 PM |
| Chrysene | ND | 0.0500 | | µg/L | 1 | 4/2/2010 4:39:00 PM |
| Dibenz(a,h)anthracene | ND | 0.0500 | | µg/L | 1 | 4/2/2010 4:39:00 PM |
| Fluoranthene | 0.0577 | 0.0500 | | µg/L | 1 | 4/2/2010 4:39:00 PM |
| Fluorene | 4.49 | 0.0500 | | µg/L | 1 | 4/2/2010 4:39:00 PM |
| Indeno(1,2,3-cd)pyrene | ND | 0.0500 | | µg/L | 1 | 4/2/2010 4:39:00 PM |
| Naphthalene | 1.31 | 0.0500 | | µg/L | 1 | 4/2/2010 4:39:00 PM |
| Phenanthrene | 3.22 | 0.0500 | | µg/L | 1 | 4/2/2010 4:39:00 PM |
| Pyrene | 0.127 | 0.0500 | | µg/L | 1 | 4/2/2010 4:39:00 PM |
| Surr: 2-Fluorobiphenyl | 77.1 | 18.6-106 | | %REC | 1 | 4/2/2010 4:39:00 PM |
| Surr: Nitrobenzene-d5 | 78.5 | 17-130 | | %REC | 1 | 4/2/2010 4:39:00 PM |
| Surr: p-Terphenyl-d14 | 113 | 39.6-131 | | %REC | 1 | 4/2/2010 4:39:00 PM |
| VOLATILE ORGANICS BY GC/MS | | SW8260B | | Analyst: kmn | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 1,1,1-Trichloroethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 1,1,2,2-Tetrachloroethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 1,1,2-Trichloroethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 1,1-Dichloroethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 1,1-Dichloroethene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 1,1-Dichloropropene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 1,2,3-Trichlorobenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |

Specialty Analytical

Date: 15-Apr-10

CLIENT: Environmental Compliance Northwest, Inc.

Client Sample ID: MW-2

Lab Order: 1004008

Collection Date: 3/31/2010 3:00:00 PM

Project: Powell-Salem / 07-303

Lab ID: 1004008-02

Matrix: GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|-----------------------------------|--------|----------------|------|--------------|----|----------------------|
| VOLATILE ORGANICS BY GC/MS | | SW8260B | | Analyst: kmn | | |
| 1,2,3-Trichloropropane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 1,2,4-Trichlorobenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 1,2,4-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 1,2-Dibromo-3-chloropropane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 1,2-Dibromoethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 1,2-Dichlorobenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 1,2-Dichloroethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 1,2-Dichloropropane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 1,3-Dichlorobenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 1,3-Dichloropropane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 1,4-Dichlorobenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 2,2-Dichloropropane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 2-Butanone | ND | 10.0 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 2-Chlorotoluene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 2-Hexanone | ND | 10.0 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 4-Chlorotoluene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 4-Isopropyltoluene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| 4-Methyl-2-pentanone | ND | 20.0 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Acetone | ND | 50.0 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Acrylonitrile | ND | 5.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Benzene | 168 | 0.300 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Bromobenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Bromochloromethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Bromodichloromethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Bromoform | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Bromomethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Carbon disulfide | ND | 2.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Carbon tetrachloride | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Chlorobenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Chloroethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Chloroform | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Chloromethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| cis-1,2-Dichloroethene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| cis-1,3-Dichloropropene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Dibromochloromethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Dibromomethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Dichlorodifluoromethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Ethylbenzene | 6.63 | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Hexachlorobutadiene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Isopropylbenzene | 28.3 | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |

Specialty Analytical

Date: 15-Apr-10

CLIENT: Environmental Compliance Northwest, Inc.

Client Sample ID: MW-2

Lab Order: 1004008

Collection Date: 3/31/2010 3:00:00 PM

Project: Powell-Salem / 07-303

Lab ID: 1004008-02

Matrix: GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|-----------------------------------|--------|----------------|------|-------|----|----------------------|
| VOLATILE ORGANICS BY GC/MS | | SW8260B | | | | Analyst: kmn |
| m,p-Xylene | ND | 2.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Methyl tert-butyl ether | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Methylene chloride | ND | 20.0 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| n-Butylbenzene | 4.40 | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| n-Propylbenzene | 91.7 | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Naphthalene | 5.86 | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| o-Xylene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| sec-Butylbenzene | 2.78 | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Styrene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| tert-Butylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Tetrachloroethene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Toluene | 1.29 | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| trans-1,2-Dichloroethene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| trans-1,3-Dichloropropene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Trichloroethene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Trichlorofluoromethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Vinyl chloride | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:14:00 PM |
| Surr: 1,2-Dichloroethane-d4 | 96.8 | 72.2-129 | | %REC | 1 | 4/2/2010 10:14:00 PM |
| Surr: 4-Bromofluorobenzene | 95.4 | 73.5-125 | | %REC | 1 | 4/2/2010 10:14:00 PM |
| Surr: Dibromofluoromethane | 93.4 | 58.8-148 | | %REC | 1 | 4/2/2010 10:14:00 PM |
| Surr: Toluene-d8 | 97.1 | 79.8-137 | | %REC | 1 | 4/2/2010 10:14:00 PM |

Specialty Analytical

Date: 15-Apr-10

CLIENT: Environmental Compliance Northwest, Inc.

Client Sample ID: MW-3

Lab Order: 1004008

Collection Date: 3/31/2010 2:00:00 PM

Project: Powell-Salem / 07-303

Lab ID: 1004008-03

Matrix: GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|--|--------|-----------------|------|-------|----|----------------------|
| NWTPH-DX | | NWTPH-DX | | | | Analyst: jrp |
| Diesel | 0.171 | 0.0763 | | mg/L | 1 | 4/5/2010 |
| Lube Oil | 0.274 | 0.191 | | mg/L | 1 | 4/5/2010 |
| Surr: o-Terphenyl | 76.5 | 50-150 | | %REC | 1 | 4/5/2010 |
| NWTPH-GX | | NWTPH-GX | | | | Analyst: jrp |
| Gasoline | ND | 100 | | µg/L | 1 | 4/2/2010 |
| Surr: 4-Bromofluorobenzene | 69.4 | 50-150 | | %REC | 1 | 4/2/2010 |
| LOW LEVEL PAH BY GC/MS OARSIM (8270C) | | 8270SIM | | | | Analyst: bda |
| Acenaphthene | 0.217 | 0.0500 | | µg/L | 1 | 4/2/2010 5:04:00 PM |
| Acenaphthylene | ND | 0.0500 | | µg/L | 1 | 4/2/2010 5:04:00 PM |
| Anthracene | ND | 0.0500 | | µg/L | 1 | 4/2/2010 5:04:00 PM |
| Benzo(a)anthracene | ND | 0.0500 | | µg/L | 1 | 4/2/2010 5:04:00 PM |
| Benzo(a)pyrene | ND | 0.0500 | | µg/L | 1 | 4/2/2010 5:04:00 PM |
| Benzo(b)fluoranthene | ND | 0.0500 | | µg/L | 1 | 4/2/2010 5:04:00 PM |
| Benzo(g,h,i)perylene | ND | 0.0500 | | µg/L | 1 | 4/2/2010 5:04:00 PM |
| Benzo(k)fluoranthene | ND | 0.0500 | | µg/L | 1 | 4/2/2010 5:04:00 PM |
| Chrysene | ND | 0.0500 | | µg/L | 1 | 4/2/2010 5:04:00 PM |
| Dibenz(a,h)anthracene | ND | 0.0500 | | µg/L | 1 | 4/2/2010 5:04:00 PM |
| Fluoranthene | 0.202 | 0.0500 | | µg/L | 1 | 4/2/2010 5:04:00 PM |
| Fluorene | 0.259 | 0.0500 | | µg/L | 1 | 4/2/2010 5:04:00 PM |
| Indeno(1,2,3-cd)pyrene | ND | 0.0500 | | µg/L | 1 | 4/2/2010 5:04:00 PM |
| Naphthalene | 1.42 | 0.0500 | | µg/L | 1 | 4/2/2010 5:04:00 PM |
| Phenanthrene | 0.650 | 0.0500 | | µg/L | 1 | 4/2/2010 5:04:00 PM |
| Pyrene | 0.113 | 0.0500 | | µg/L | 1 | 4/2/2010 5:04:00 PM |
| Surr: 2-Fluorobiphenyl | 63.6 | 18.6-106 | | %REC | 1 | 4/2/2010 5:04:00 PM |
| Surr: Nitrobenzene-d5 | 65.8 | 17-130 | | %REC | 1 | 4/2/2010 5:04:00 PM |
| Surr: p-Terphenyl-d14 | 91.8 | 39.6-131 | | %REC | 1 | 4/2/2010 5:04:00 PM |
| VOLATILE ORGANICS BY GC/MS | | SW8260B | | | | Analyst: kmn |
| 1,2,4-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:49:00 PM |
| 1,2-Dibromoethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:49:00 PM |
| 1,2-Dichloroethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:49:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:49:00 PM |
| Benzene | ND | 0.300 | | µg/L | 1 | 4/2/2010 10:49:00 PM |
| Ethylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:49:00 PM |
| Isopropylbenzene | 2.22 | 1.00 | | µg/L | 1 | 4/2/2010 10:49:00 PM |
| m,p-Xylene | ND | 2.00 | | µg/L | 1 | 4/2/2010 10:49:00 PM |
| Methyl tert-butyl ether | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:49:00 PM |
| n-Propylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:49:00 PM |
| Naphthalene | 1.36 | 1.00 | | µg/L | 1 | 4/2/2010 10:49:00 PM |
| o-Xylene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:49:00 PM |

Specialty Analytical

Date: 15-Apr-10

CLIENT: Environmental Compliance Northwest, Inc.
Lab Order: 1004008
Project: Powell-Salem / 07-303
Lab ID: 1004008-03

Client Sample ID: MW-3
Collection Date: 3/31/2010 2:00:00 PM

Matrix: GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|-----------------------------------|--------|----------|------|-------|----|----------------------|
| VOLATILE ORGANICS BY GC/MS | | | | | | Analyst: kmn |
| Toluene | ND | 1.00 | | µg/L | 1 | 4/2/2010 10:49:00 PM |
| Surr: 1,2-Dichloroethane-d4 | 98.5 | 72.2-129 | | %REC | 1 | 4/2/2010 10:49:00 PM |
| Surr: 4-Bromofluorobenzene | 95.6 | 73.5-125 | | %REC | 1 | 4/2/2010 10:49:00 PM |
| Surr: Dibromofluoromethane | 95.3 | 58.8-148 | | %REC | 1 | 4/2/2010 10:49:00 PM |
| Surr: Toluene-d8 | 103 | 79.8-137 | | %REC | 1 | 4/2/2010 10:49:00 PM |

Specialty Analytical

Date: 15-Apr-10

CLIENT: Environmental Compliance Northwest, Inc.

Client Sample ID: MW-4

Lab Order: 1004008

Collection Date: 3/31/2010 1:00:00 PM

Project: Powell-Salem / 07-303

Lab ID: 1004008-04

Matrix: GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|-----------------------------------|--------|-----------------|------|-------|----|----------------------|
| NWTPH-DX | | NWTPH-DX | | | | Analyst: jrp |
| Diesel | 0.118 | 0.0768 | | mg/L | 1 | 4/5/2010 |
| Lube Oil | 0.218 | 0.192 | | mg/L | 1 | 4/5/2010 |
| Surr: o-Terphenyl | 79.3 | 50-150 | | %REC | 1 | 4/5/2010 |
| NWTPH-GX | | NWTPH-GX | | | | Analyst: jrp |
| Gasoline | ND | 100 | | µg/L | 1 | 4/2/2010 |
| Surr: 4-Bromofluorobenzene | 73.8 | 50-150 | | %REC | 1 | 4/2/2010 |
| DISSOLVED METALS BY ICP/MS | | SW6020 | | | | Analyst: zau |
| Lead | ND | 0.10 | | ug/L | 1 | 4/14/2010 3:57:00 PM |
| VOLATILE ORGANICS BY GC/MS | | SW8260B | | | | Analyst: kmn |
| 1,2,4-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 2:48:00 PM |
| 1,2-Dibromoethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 2:48:00 PM |
| 1,2-Dichloroethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 2:48:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 2:48:00 PM |
| Benzene | 7.23 | 0.300 | | µg/L | 1 | 4/2/2010 2:48:00 PM |
| Ethylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 2:48:00 PM |
| Isopropylbenzene | 2.31 | 1.00 | | µg/L | 1 | 4/2/2010 2:48:00 PM |
| m,p-Xylene | ND | 2.00 | | µg/L | 1 | 4/2/2010 2:48:00 PM |
| Methyl tert-butyl ether | ND | 1.00 | | µg/L | 1 | 4/2/2010 2:48:00 PM |
| n-Propylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 2:48:00 PM |
| Naphthalene | ND | 1.00 | | µg/L | 1 | 4/2/2010 2:48:00 PM |
| o-Xylene | ND | 1.00 | | µg/L | 1 | 4/2/2010 2:48:00 PM |
| Toluene | ND | 1.00 | | µg/L | 1 | 4/2/2010 2:48:00 PM |
| Surr: 1,2-Dichloroethane-d4 | 95.0 | 72.2-129 | | %REC | 1 | 4/2/2010 2:48:00 PM |
| Surr: 4-Bromofluorobenzene | 103 | 73.5-125 | | %REC | 1 | 4/2/2010 2:48:00 PM |
| Surr: Dibromofluoromethane | 90.5 | 58.8-148 | | %REC | 1 | 4/2/2010 2:48:00 PM |
| Surr: Toluene-d8 | 96.0 | 79.8-137 | | %REC | 1 | 4/2/2010 2:48:00 PM |

Specialty Analytical

Date: 15-Apr-10

CLIENT: Environmental Compliance Northwest, Inc.

Client Sample ID: MW-5

Lab Order: 1004008

Collection Date: 3/31/2010 11:00:00 AM

Project: Powell-Salem / 07-303

Lab ID: 1004008-05

Matrix: GROUNDWATER

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|-----------------------------------|--------|-----------------|------|-------|----|---------------------|
| NWTPH-DX | | NWTPH-DX | | | | Analyst: jrj |
| Diesel | ND | 0.0775 | | mg/L | 1 | 4/5/2010 |
| Lube Oil | ND | 0.194 | | mg/L | 1 | 4/5/2010 |
| Surr: o-Terphenyl | 75.2 | 50-150 | | %REC | 1 | 4/5/2010 |
| NWTPH-GX | | NWTPH-GX | | | | Analyst: jrj |
| Gasoline | ND | 100 | | µg/L | 1 | 4/2/2010 |
| Surr: 4-Bromofluorobenzene | 71.1 | 50-150 | | %REC | 1 | 4/2/2010 |
| VOLATILE ORGANICS BY GC/MS | | SW8260B | | | | Analyst: kmn |
| 1,2,4-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 3:22:00 PM |
| 1,2-Dibromoethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 3:22:00 PM |
| 1,2-Dichloroethane | ND | 1.00 | | µg/L | 1 | 4/2/2010 3:22:00 PM |
| 1,3,5-Trimethylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 3:22:00 PM |
| Benzene | ND | 0.300 | | µg/L | 1 | 4/2/2010 3:22:00 PM |
| Ethylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 3:22:00 PM |
| Isopropylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 3:22:00 PM |
| m,p-Xylene | ND | 2.00 | | µg/L | 1 | 4/2/2010 3:22:00 PM |
| Methyl tert-butyl ether | ND | 1.00 | | µg/L | 1 | 4/2/2010 3:22:00 PM |
| n-Propylbenzene | ND | 1.00 | | µg/L | 1 | 4/2/2010 3:22:00 PM |
| Naphthalene | ND | 1.00 | | µg/L | 1 | 4/2/2010 3:22:00 PM |
| o-Xylene | ND | 1.00 | | µg/L | 1 | 4/2/2010 3:22:00 PM |
| Toluene | ND | 1.00 | | µg/L | 1 | 4/2/2010 3:22:00 PM |
| Surr: 1,2-Dichloroethane-d4 | 98.4 | 72.2-129 | | %REC | 1 | 4/2/2010 3:22:00 PM |
| Surr: 4-Bromofluorobenzene | 101 | 73.5-125 | | %REC | 1 | 4/2/2010 3:22:00 PM |
| Surr: Dibromofluoromethane | 96.0 | 58.8-148 | | %REC | 1 | 4/2/2010 3:22:00 PM |
| Surr: Toluene-d8 | 100 | 79.8-137 | | %REC | 1 | 4/2/2010 3:22:00 PM |

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1004008
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_WDISS

| | | | | | | | | | | | |
|---------------------------------|------------------------|-----------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1004022-03AMS | SampType: MS | TestCode: 6020_WDISS | Units: ug/L | Prep Date: 4/5/2010 | Run ID: ICPMS_100405C | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25307 | TestNo: SW6020 | | Analysis Date: 4/5/2010 | SeqNo: 666823 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Cadmium | 47.74 | 0.10 | 50 | 0.1553 | 95.2 | 70 | 130 | 0 | 0 | | |
| Chromium | 44.96 | 1.0 | 50 | 0 | 89.9 | 70 | 130 | 0 | 0 | | |
| Lead | 47.56 | 0.10 | 50 | 0 | 95.1 | 70 | 130 | 0 | 0 | | |

| | | | | | | | | | | | |
|---------------------------------|------------------------|-----------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1004022-03AMS | SampType: MS | TestCode: 6020_WDISS | Units: ug/L | Prep Date: 4/5/2010 | Run ID: ICPMS_100405C | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25307 | TestNo: SW6020 | | Analysis Date: 4/6/2010 | SeqNo: 666948 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic | 59.1 | 1.0 | 50 | 9.651 | 98.9 | 70 | 130 | 0 | 0 | | |

| | | | | | | | | | | | |
|---------------------------------|------------------------|-----------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1004008-04CMS | SampType: MS | TestCode: 6020_WDISS | Units: ug/L | Prep Date: 4/14/2010 | Run ID: ICPMS_100414C | | | | | | |
| Client ID: MW-4 | Batch ID: 25381 | TestNo: SW6020 | | Analysis Date: 4/14/2010 | SeqNo: 668247 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | 48.69 | 0.10 | 50 | 0 | 97.4 | 70 | 130 | 0 | 0 | | |

| | | | | | | | | | | | |
|----------------------------------|------------------------|-----------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1004022-03AMSD | SampType: MSD | TestCode: 6020_WDISS | Units: ug/L | Prep Date: 4/5/2010 | Run ID: ICPMS_100405C | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25307 | TestNo: SW6020 | | Analysis Date: 4/5/2010 | SeqNo: 666824 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic | 57.82 | 1.0 | 50 | 9.651 | 96.3 | 70 | 130 | 55.82 | 3.52 | 20 | |
| Cadmium | 49.22 | 0.10 | 50 | 0.1553 | 98.1 | 70 | 130 | 47.74 | 3.05 | 20 | |
| Chromium | 47.25 | 1.0 | 50 | 0 | 94.5 | 70 | 130 | 44.96 | 4.97 | 20 | |
| Lead | 50.18 | 0.10 | 50 | 0 | 100 | 70 | 130 | 47.56 | 5.36 | 20 | |

| | | | | | | | | | | | |
|----------------------------------|------------------------|-----------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1004008-04CMSD | SampType: MSD | TestCode: 6020_WDISS | Units: ug/L | Prep Date: 4/14/2010 | Run ID: ICPMS_100414C | | | | | | |
| Client ID: MW-4 | Batch ID: 25381 | TestNo: SW6020 | | Analysis Date: 4/14/2010 | SeqNo: 668248 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1004008
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_WDISS

| | | | | | | | | | | | |
|----------------------------------|------------------------|-----------------------------|---------------------------------|-----------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1004008-04CMSD | SampType: MSD | TestCode: 6020_WDISS | Units: ug/L | Prep Date: 4/14/2010 | Run ID: ICPMS_100414C | | | | | | |
| Client ID: MW-4 | Batch ID: 25381 | TestNo: SW6020 | Analysis Date: 4/14/2010 | SeqNo: 668248 | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | 46.45 | 0.10 | 50 | 0 | 92.9 | 70 | 130 | 48.69 | 4.71 | 20 | |

| | | | | | | | | | | | |
|----------------------------------|------------------------|-----------------------------|--------------------------------|----------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1004022-03ADUP | SampType: DUP | TestCode: 6020_WDISS | Units: ug/L | Prep Date: 4/5/2010 | Run ID: ICPMS_100405C | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25307 | TestNo: SW6020 | Analysis Date: 4/5/2010 | SeqNo: 666822 | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Cadmium | 0.1409 | 0.10 | 0 | 0 | 0 | 0 | 0 | 0.1553 | 9.72 | 20 | |
| Chromium | ND | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | |
| Lead | ND | 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | |

| | | | | | | | | | | | |
|----------------------------------|------------------------|-----------------------------|--------------------------------|----------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1004022-03ADUP | SampType: DUP | TestCode: 6020_WDISS | Units: ug/L | Prep Date: 4/5/2010 | Run ID: ICPMS_100405C | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25307 | TestNo: SW6020 | Analysis Date: 4/6/2010 | SeqNo: 666947 | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic | 9.89 | 1.0 | 0 | 0 | 0 | 0 | 0 | 9.651 | 2.45 | 20 | |

| | | | | | | | | | | | |
|----------------------------------|------------------------|-----------------------------|---------------------------------|-----------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1004008-04CDUP | SampType: DUP | TestCode: 6020_WDISS | Units: ug/L | Prep Date: 4/14/2010 | Run ID: ICPMS_100414C | | | | | | |
| Client ID: MW-4 | Batch ID: 25381 | TestNo: SW6020 | Analysis Date: 4/14/2010 | SeqNo: 668246 | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | ND | 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | |

| | | | | | | | | | | | |
|-------------------------|------------------------|-----------------------------|--------------------------------|----------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: 6020_WDISS | Units: ug/L | Prep Date: | Run ID: ICPMS_100405C | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25307 | TestNo: SW6020 | Analysis Date: 4/5/2010 | SeqNo: 666819 | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic | 48.05 | 1.0 | 50 | 0 | 96.1 | 90 | 110 | 0 | 0 | | |
| Cadmium | 47.78 | 0.10 | 50 | 0 | 95.6 | 90 | 110 | 0 | 0 | | |
| Chromium | 45.28 | 1.0 | 50 | 0 | 90.6 | 90 | 110 | 0 | 0 | | |
| Lead | 47.05 | 0.10 | 50 | 0 | 94.1 | 90 | 110 | 0 | 0 | | |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1004008
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_WDISS

| Sample ID: CCV | SampType: CCV | TestCode: 6020_WDISS | Units: ug/L | Prep Date: | Run ID: ICPMS_100405C | | | | | | |
|-------------------------|------------------------|-----------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25307 | TestNo: SW6020 | | Analysis Date: 4/5/2010 | SeqNo: 666826 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic | 47.88 | 1.0 | 50 | 0 | 95.8 | 90 | 110 | 0 | 0 | | |
| Cadmium | 48.61 | 0.10 | 50 | 0 | 97.2 | 90 | 110 | 0 | 0 | | |
| Chromium | 45.32 | 1.0 | 50 | 0 | 90.6 | 90 | 110 | 0 | 0 | | |
| Lead | 46.85 | 0.10 | 50 | 0 | 93.7 | 90 | 110 | 0 | 0 | | |

| Sample ID: CCV | SampType: CCV | TestCode: 6020_WDISS | Units: ug/L | Prep Date: | Run ID: ICPMS_100405C | | | | | | |
|-------------------------|------------------------|-----------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25307 | TestNo: SW6020 | | Analysis Date: 4/5/2010 | SeqNo: 666833 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic | 48.17 | 1.0 | 50 | 0 | 96.3 | 90 | 110 | 0 | 0 | | |
| Cadmium | 48.56 | 0.10 | 50 | 0 | 97.1 | 90 | 110 | 0 | 0 | | |
| Chromium | 46.34 | 1.0 | 50 | 0 | 92.7 | 90 | 110 | 0 | 0 | | |
| Lead | 46.24 | 0.10 | 50 | 0 | 92.5 | 90 | 110 | 0 | 0 | | |

| Sample ID: CCV | SampType: CCV | TestCode: 6020_WDISS | Units: ug/L | Prep Date: | Run ID: ICPMS_100405C | | | | | | |
|-------------------------|------------------------|-----------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25307 | TestNo: SW6020 | | Analysis Date: 4/6/2010 | SeqNo: 666951 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Arsenic | 50.42 | 1.0 | 50 | 0 | 101 | 90 | 110 | 0 | 0 | | |

| Sample ID: CCV | SampType: CCV | TestCode: 6020_WDISS | Units: ug/L | Prep Date: | Run ID: ICPMS_100414C | | | | | | |
|-------------------------|------------------------|-----------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25381 | TestNo: SW6020 | | Analysis Date: 4/14/2010 | SeqNo: 668243 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | 47.44 | 0.10 | 50 | 0 | 94.9 | 90 | 110 | 0 | 0 | | |

| Sample ID: CCV | SampType: CCV | TestCode: 6020_WDISS | Units: ug/L | Prep Date: | Run ID: ICPMS_100414C | | | | | | |
|-------------------------|------------------------|-----------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25381 | TestNo: SW6020 | | Analysis Date: 4/14/2010 | SeqNo: 668249 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1004008
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_WDISS

| | | | | | | | | | | | |
|-------------------------|------------------------|-----------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: 6020_WDISS | Units: ug/L | Prep Date: | Run ID: ICPMS_100414C | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25381 | TestNo: SW6020 | | Analysis Date: 4/14/2010 | SeqNo: 668249 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|------|-------|------|----|---|------|----|-----|---|---|--|--|
| Lead | 46.15 | 0.10 | 50 | 0 | 92.3 | 90 | 110 | 0 | 0 | | |
|------|-------|------|----|---|------|----|-----|---|---|--|--|

| | | | | | | | | | | | |
|-------------------------|------------------------|-----------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: ICV | SampType: ICV | TestCode: 6020_WDISS | Units: ug/L | Prep Date: | Run ID: ICPMS_100405C | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25307 | TestNo: SW6020 | | Analysis Date: 4/5/2010 | SeqNo: 668818 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|-------|------|----|---|------|----|-----|---|---|--|--|
| Arsenic | 49.03 | 1.0 | 50 | 0 | 98.1 | 90 | 110 | 0 | 0 | | |
| Cadmium | 47.39 | 0.10 | 50 | 0 | 94.8 | 90 | 110 | 0 | 0 | | |
| Chromium | 47.7 | 1.0 | 50 | 0 | 95.4 | 90 | 110 | 0 | 0 | | |
| Lead | 46.57 | 0.10 | 50 | 0 | 93.1 | 90 | 110 | 0 | 0 | | |

| | | | | | | | | | | | |
|-------------------------|------------------------|-----------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: ICV | SampType: ICV | TestCode: 6020_WDISS | Units: ug/L | Prep Date: | Run ID: ICPMS_100405C | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25307 | TestNo: SW6020 | | Analysis Date: 4/6/2010 | SeqNo: 666946 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|---------|-------|-----|----|---|-----|----|-----|---|---|--|--|
| Arsenic | 50.19 | 1.0 | 50 | 0 | 100 | 90 | 110 | 0 | 0 | | |
|---------|-------|-----|----|---|-----|----|-----|---|---|--|--|

| | | | | | | | | | | | |
|-------------------------|------------------------|-----------------------------|--------------------|---------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: ICV | SampType: ICV | TestCode: 6020_WDISS | Units: ug/L | Prep Date: | Run ID: ICPMS_100414C | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25381 | TestNo: SW6020 | | Analysis Date: 4/14/2010 | SeqNo: 668242 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|------|-------|------|----|---|------|----|-----|---|---|--|--|
| Lead | 47.14 | 0.10 | 50 | 0 | 94.3 | 90 | 110 | 0 | 0 | | |
|------|-------|------|----|---|------|----|-----|---|---|--|--|

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1004008
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

| Sample ID: MB-25304 | SampType: MBLK | TestCode: 8260_W | Units: µg/L | Prep Date: 4/1/2010 | Run ID: 5973L_100402A | | | | | | |
|-----------------------------|------------------------|-------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25304 | TestNo: SW8260B | | Analysis Date: 4/2/2010 | SeqNo: 666510 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 1,1,1,2-Tetrachloroethane | ND | 1.00 | | | | | | | | | |
| 1,1,1-Trichloroethane | ND | 1.00 | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 1.00 | | | | | | | | | |
| 1,1,2-Trichloroethane | ND | 1.00 | | | | | | | | | |
| 1,1-Dichloroethane | ND | 1.00 | | | | | | | | | |
| 1,1-Dichloroethene | ND | 1.00 | | | | | | | | | |
| 1,1-Dichloropropene | ND | 1.00 | | | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.00 | | | | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.00 | | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.00 | | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.00 | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 1.00 | | | | | | | | | |
| 1,2-Dibromoethane | ND | 1.00 | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 1.00 | | | | | | | | | |
| 1,2-Dichloroethane | ND | 1.00 | | | | | | | | | |
| 1,2-Dichloropropane | ND | 1.00 | | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.00 | | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 1.00 | | | | | | | | | |
| 1,3-Dichloropropane | ND | 1.00 | | | | | | | | | |
| 1,4-Dichlorobenzene | 0.13 | 1.00 | | | | | | | | | J |
| 2,2-Dichloropropane | ND | 1.00 | | | | | | | | | |
| 2-Butanone | ND | 10.0 | | | | | | | | | |
| 2-Chlorotoluene | ND | 1.00 | | | | | | | | | |
| 2-Hexanone | ND | 10.0 | | | | | | | | | |
| 4-Chlorotoluene | ND | 1.00 | | | | | | | | | |
| 4-Isopropyltoluene | ND | 1.00 | | | | | | | | | |
| 4-Methyl-2-pentanone | ND | 20.0 | | | | | | | | | |
| Acetone | 2.04 | 50.0 | | | | | | | | | J |
| Acrylonitrile | ND | 5.00 | | | | | | | | | |
| Benzene | ND | 0.300 | | | | | | | | | |
| Bromobenzene | ND | 1.00 | | | | | | | | | |

Qualifiers: ND - Not Detected at the Reporting Limit
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 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1004008
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

| Sample ID: MB-25304 | SampType: MBLK | TestCode: 8260_W | Units: µg/L | Prep Date: 4/1/2010 | Run ID: 5973L_100402A | | | | | | |
|----------------------------|------------------------|-------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25304 | TestNo: SW8260B | | Analysis Date: 4/2/2010 | SeqNo: 666510 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Bromochloromethane | ND | 1.00 | | | | | | | | | |
| Bromodichloromethane | ND | 1.00 | | | | | | | | | |
| Bromoform | ND | 1.00 | | | | | | | | | |
| Bromomethane | ND | 1.00 | | | | | | | | | |
| Carbon disulfide | ND | 2.00 | | | | | | | | | |
| Carbon tetrachloride | ND | 1.00 | | | | | | | | | |
| Chlorobenzene | ND | 1.00 | | | | | | | | | |
| Chloroethane | ND | 1.00 | | | | | | | | | |
| Chloroform | ND | 1.00 | | | | | | | | | |
| Chloromethane | ND | 1.00 | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 1.00 | | | | | | | | | |
| cis-1,3-Dichloropropene | ND | 1.00 | | | | | | | | | |
| Dibromochloromethane | ND | 1.00 | | | | | | | | | |
| Dibromomethane | ND | 1.00 | | | | | | | | | |
| Dichlorodifluoromethane | ND | 1.00 | | | | | | | | | |
| Ethylbenzene | ND | 1.00 | | | | | | | | | |
| Hexachlorobutadiene | ND | 1.00 | | | | | | | | | |
| Isopropylbenzene | ND | 1.00 | | | | | | | | | |
| m,p-Xylene | ND | 2.00 | | | | | | | | | |
| Methyl tert-butyl ether | ND | 1.00 | | | | | | | | | |
| Methylene chloride | 11.14 | 20.0 | | | | | | | | | J |
| n-Butylbenzene | ND | 1.00 | | | | | | | | | |
| n-Propylbenzene | ND | 1.00 | | | | | | | | | |
| Naphthalene | 0.72 | 1.00 | | | | | | | | | J |
| o-Xylene | ND | 1.00 | | | | | | | | | |
| sec-Butylbenzene | ND | 1.00 | | | | | | | | | |
| Styrene | ND | 1.00 | | | | | | | | | |
| tert-Butylbenzene | ND | 1.00 | | | | | | | | | |
| Tetrachloroethene | ND | 1.00 | | | | | | | | | |
| Toluene | ND | 1.00 | | | | | | | | | |
| trans-1,2-Dichloroethene | ND | 1.00 | | | | | | | | | |

Qualifiers: ND - Not Detected at the Reporting Limit
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 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1004008
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

| | | | | | |
|----------------------------|------------------------|-------------------------|--------------------|--------------------------------|------------------------------|
| Sample ID: MB-25304 | SampType: MBLK | TestCode: 8260_W | Units: µg/L | Prep Date: 4/1/2010 | Run ID: 5973L_100402A |
| Client ID: ZZZZZ | Batch ID: 25304 | TestNo: SW8260B | | Analysis Date: 4/2/2010 | SeqNo: 666510 |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|-----------------------------|--------|------|-----------|-------------|------|----------|-----------|-------------|------|----------|------|
| trans-1,3-Dichloropropene | ND | 1.00 | | | | | | | | | |
| Trichloroethene | ND | 1.00 | | | | | | | | | |
| Trichlorofluoromethane | ND | 1.00 | | | | | | | | | |
| Vinyl chloride | ND | 1.00 | | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 96.83 | 0 | 100 | 0 | 96.8 | 72.2 | 129 | 0 | 0 | | |
| Surr: 4-Bromofluorobenzene | 100.1 | 0 | 100 | 0 | 100 | 73.5 | 125 | 0 | 0 | | |
| Surr: Dibromofluoromethane | 92.16 | 0 | 100 | 0 | 92.2 | 58.8 | 148 | 0 | 0 | | |
| Surr: Toluene-d8 | 94.08 | 0 | 100 | 0 | 94.1 | 79.8 | 137 | 0 | 0 | | |

| | | | | | |
|-----------------------------|------------------------|-------------------------|--------------------|--------------------------------|------------------------------|
| Sample ID: LCS-25304 | SampType: LCS | TestCode: 8260_W | Units: µg/L | Prep Date: 4/1/2010 | Run ID: 5973L_100402A |
| Client ID: ZZZZZ | Batch ID: 25304 | TestNo: SW8260B | | Analysis Date: 4/2/2010 | SeqNo: 666507 |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|--------------------|--------|-------|-----------|-------------|------|----------|-----------|-------------|------|----------|------|
| 1,1-Dichloroethene | 42.21 | 1.00 | 40 | 0 | 106 | 69.9 | 130 | 0 | 0 | | |
| Benzene | 45.36 | 0.300 | 40 | 0 | 113 | 77.9 | 125 | 0 | 0 | | |
| Chlorobenzene | 40.9 | 1.00 | 40 | 0 | 102 | 82.5 | 114 | 0 | 0 | | |
| Toluene | 39.36 | 1.00 | 40 | 0 | 98.4 | 74.6 | 119 | 0 | 0 | | |
| Trichloroethene | 43.76 | 1.00 | 40 | 0 | 109 | 74.7 | 125 | 0 | 0 | | |

| | | | | | |
|---------------------------------|------------------------|-------------------------|--------------------|--------------------------------|------------------------------|
| Sample ID: 1004008-01BMS | SampType: MS | TestCode: 8260_W | Units: µg/L | Prep Date: 4/1/2010 | Run ID: 5973L_100402A |
| Client ID: MW-1 | Batch ID: 25304 | TestNo: SW8260B | | Analysis Date: 4/2/2010 | SeqNo: 666508 |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|--------------------|--------|-------|-----------|-------------|------|----------|-----------|-------------|------|----------|------|
| 1,1-Dichloroethene | 44.94 | 1.00 | 40 | 0 | 112 | 51.4 | 176 | 0 | 0 | | |
| Benzene | 43.12 | 0.300 | 40 | 0 | 108 | 71.5 | 118 | 0 | 0 | | |
| Chlorobenzene | 38.64 | 1.00 | 40 | 0 | 96.6 | 79.8 | 114 | 0 | 0 | | |
| Toluene | 38.2 | 1.00 | 40 | 0 | 95.5 | 79.6 | 121 | 0 | 0 | | |
| Trichloroethene | 42.92 | 1.00 | 40 | 0 | 107 | 73.6 | 120 | 0 | 0 | | |

Qualifiers: ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1004008
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

| | | | | | |
|----------------------------------|------------------------|-------------------------|--------------------|--------------------------------|------------------------------|
| Sample ID: 1004008-01BMSD | SampType: MSD | TestCode: 8260_W | Units: µg/L | Prep Date: 4/1/2010 | Run ID: 5973L_100402A |
| Client ID: MW-1 | Batch ID: 25304 | TestNo: SW8260B | | Analysis Date: 4/2/2010 | SeqNo: 666509 |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|--------------------|--------|-------|-----------|-------------|------|----------|-----------|-------------|-------|----------|------|
| 1,1-Dichloroethene | 42.83 | 1.00 | 40 | 0 | 107 | 51.4 | 176 | 44.94 | 4.81 | 20 | |
| Benzene | 42.97 | 0.300 | 40 | 0 | 107 | 71.5 | 118 | 43.12 | 0.348 | 20 | |
| Chlorobenzene | 38.51 | 1.00 | 40 | 0 | 96.3 | 79.8 | 114 | 38.64 | 0.337 | 20 | |
| Toluene | 36.91 | 1.00 | 40 | 0 | 92.3 | 79.6 | 121 | 38.2 | 3.43 | 20 | |
| Trichloroethene | 43.23 | 1.00 | 40 | 0 | 108 | 73.6 | 120 | 42.92 | 0.720 | 20 | |

| | | | | | |
|-----------------------------|------------------------|-------------------------|--------------------|--------------------------------|------------------------------|
| Sample ID: CCV-25304 | SampType: CCV | TestCode: 8260_W | Units: µg/L | Prep Date: | Run ID: 5973L_100402A |
| Client ID: ZZZZZ | Batch ID: 25304 | TestNo: SW8260B | | Analysis Date: 4/2/2010 | SeqNo: 666506 |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---------------------|--------|------|-----------|-------------|------|----------|-----------|-------------|------|----------|------|
| 1,1-Dichloroethene | 41.83 | 1.00 | 40 | 0 | 105 | 80 | 120 | 0 | 0 | | |
| 1,2-Dichloropropane | 43.99 | 1.00 | 40 | 0 | 110 | 80 | 120 | 0 | 0 | | |
| Chloroform | 38.88 | 1.00 | 40 | 0 | 97.2 | 80 | 120 | 0 | 0 | | |
| Ethylbenzene | 39.71 | 1.00 | 40 | 0 | 99.3 | 80 | 120 | 0 | 0 | | |
| Toluene | 38.2 | 1.00 | 40 | 0 | 95.5 | 80 | 120 | 0 | 0 | | |
| Vinyl chloride | 34.85 | 1.00 | 40 | 0 | 87.1 | 80 | 120 | 0 | 0 | | |

| | | | | | |
|-----------------------------|------------------------|-------------------------|--------------------|--------------------------------|------------------------------|
| Sample ID: CCV-25304 | SampType: CCV | TestCode: 8260_W | Units: µg/L | Prep Date: | Run ID: 5973L_100402A |
| Client ID: ZZZZZ | Batch ID: 25304 | TestNo: SW8260B | | Analysis Date: 4/2/2010 | SeqNo: 666515 |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---------------------|--------|------|-----------|-------------|------|----------|-----------|-------------|------|----------|------|
| 1,1-Dichloroethene | 47.52 | 1.00 | 40 | 0 | 119 | 80 | 120 | 0 | 0 | | |
| 1,2-Dichloropropane | 47.54 | 1.00 | 40 | 0 | 119 | 80 | 120 | 0 | 0 | | |
| Chloroform | 42.35 | 1.00 | 40 | 0 | 106 | 80 | 120 | 0 | 0 | | |
| Ethylbenzene | 44.19 | 1.00 | 40 | 0 | 110 | 80 | 120 | 0 | 0 | | |
| Toluene | 42.11 | 1.00 | 40 | 0 | 105 | 80 | 120 | 0 | 0 | | |
| Vinyl chloride | 42.62 | 1.00 | 40 | 0 | 107 | 80 | 120 | 0 | 0 | | |

Qualifiers: ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1004008
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDXLL_W

| | | | | | | | | | | | |
|----------------------------|------------------------|----------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: MB-25312 | SampType: MBLK | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: 4/5/2010 | Run ID: GC-M_100405A | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25312 | TestNo: NWTPH-Dx | | Analysis Date: 4/5/2010 | SeqNo: 666775 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|-------------------|--------|--------|-----|---|------|----|-----|---|---|--|---|
| Diesel | 0.0188 | 0.0800 | | | | | | | | | J |
| Lube Oil | ND | 0.200 | | | | | | | | | |
| Surr: o-Terphenyl | 0.153 | 0 | 0.2 | 0 | 76.5 | 50 | 150 | 0 | 0 | | |

| | | | | | | | | | | | |
|----------------------------|------------------------|----------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: MB-25312 | SampType: MBLK | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: 4/5/2010 | Run ID: GC-M_100405A | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25312 | TestNo: NWTPH-Dx | | Analysis Date: 4/6/2010 | SeqNo: 666858 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|---------------|--------|-------|--|--|--|--|--|--|--|--|---|
| Hydraulic Oil | 0.1703 | 0.200 | | | | | | | | | J |
|---------------|--------|-------|--|--|--|--|--|--|--|--|---|

| | | | | | | | | | | | |
|-----------------------------|------------------------|----------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: LCS-25312 | SampType: LCS | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: 4/5/2010 | Run ID: GC-M_100405A | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25312 | TestNo: NWTPH-Dx | | Analysis Date: 4/5/2010 | SeqNo: 666776 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|--------|--------|---|---|------|------|-----|---|---|--|--|
| Diesel | 0.8325 | 0.0800 | 1 | 0 | 83.2 | 60.7 | 121 | 0 | 0 | | |
| Lube Oil | 0.872 | 0.200 | 1 | 0 | 87.2 | 64 | 126 | 0 | 0 | | |

| | | | | | | | | | | | |
|------------------------------|------------------------|----------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: LCSD-25312 | SampType: LCSD | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: 4/5/2010 | Run ID: GC-M_100405A | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25312 | TestNo: NWTPH-Dx | | Analysis Date: 4/5/2010 | SeqNo: 666777 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|--------|--------|---|---|------|------|-----|--------|------|----|--|
| Diesel | 0.9085 | 0.0800 | 1 | 0 | 90.8 | 60.7 | 121 | 0.8325 | 8.74 | 20 | |
| Lube Oil | 1.038 | 0.200 | 1 | 0 | 104 | 64 | 126 | 0.872 | 17.4 | 20 | |

| | | | | | | | | | | | |
|-------------------------|------------------------|----------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: | Run ID: GC-M_100405A | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25312 | TestNo: NWTPH-Dx | | Analysis Date: 4/5/2010 | SeqNo: 666774 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|-------|--------|-------|---|------|----|-----|---|---|--|--|
| Diesel | 6.117 | 0.0800 | 6.15 | 0 | 99.5 | 85 | 115 | 0 | 0 | | |
| Lube Oil | 2.884 | 0.200 | 3.007 | 0 | 95.9 | 85 | 115 | 0 | 0 | | |

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B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1004008
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDXLL_W

| Sample ID: CCV | SampType: CCV | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: | Run ID: GC-M_100405A | | | | | | |
|-------------------------|------------------------|----------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25312 | TestNo: NWTPH-Dx | | Analysis Date: 4/5/2010 | SeqNo: 666793 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|-------|--------|------|---|------|----|-----|---|---|--|--|
| Diesel | 8.231 | 0.0800 | 8.2 | 0 | 100 | 85 | 115 | 0 | 0 | | |
| Lube Oil | 3.696 | 0.200 | 4.01 | 0 | 92.2 | 85 | 115 | 0 | 0 | | |

| Sample ID: CCV | SampType: CCV | TestCode: NWTPHDXLL | Units: mg/L | Prep Date: | Run ID: GC-M_100405A | | | | | | |
|-------------------------|------------------------|----------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25312 | TestNo: NWTPH-Dx | | Analysis Date: 4/6/2010 | SeqNo: 666857 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|---------------|-------|-------|---|---|------|----|-----|---|---|--|--|
| Hydraulic Oil | 2.864 | 0.200 | 3 | 0 | 95.5 | 85 | 115 | 0 | 0 | | |
|---------------|-------|-------|---|---|------|----|-----|---|---|--|--|

Qualifiers: ND - Not Detected at the Reporting Limit
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 R - RPD outside accepted recovery limits

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CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1004008
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_W

| | | | | | | | | | | | |
|----------------------------|------------------------|---------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: MB-25305 | SampType: MBLK | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: 4/2/2010 | Run ID: GC-I_100402A | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25305 | TestNo: NWTPH-Gx | | Analysis Date: 4/2/2010 | SeqNo: 666462 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------------------------|-------|-----|-----|---|------|----|-----|---|---|--|--|
| Gasoline | ND | 100 | | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 77.06 | 0 | 100 | 0 | 77.1 | 50 | 150 | 0 | 0 | | |

| | | | | | | | | | | | |
|-----------------------------|------------------------|---------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: LCS-25305 | SampType: LCS | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: 4/2/2010 | Run ID: GC-I_100402A | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25305 | TestNo: NWTPH-Gx | | Analysis Date: 4/2/2010 | SeqNo: 666461 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|------|-----|------|---|-----|------|-----|---|---|--|--|
| Gasoline | 2737 | 100 | 2500 | 0 | 109 | 74.4 | 128 | 0 | 0 | | |
|----------|------|-----|------|---|-----|------|-----|---|---|--|--|

| | | | | | | | | | | | |
|----------------------------------|------------------------|---------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1003188-01BDUP | SampType: DUP | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: 4/2/2010 | Run ID: GC-I_100402A | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25305 | TestNo: NWTPH-Gx | | Analysis Date: 4/2/2010 | SeqNo: 666464 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|----|-----|---|---|---|---|---|---|---|---|----|
| Gasoline | ND | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
|----------|----|-----|---|---|---|---|---|---|---|---|----|

| | | | | | | | | | | | |
|----------------------------------|------------------------|---------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 1003188-03BDUP | SampType: DUP | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: 4/2/2010 | Run ID: GC-I_100402A | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25305 | TestNo: NWTPH-Gx | | Analysis Date: 4/2/2010 | SeqNo: 666476 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|------|-----|---|---|---|---|---|------|------|----|--|
| Gasoline | 4831 | 500 | 0 | 0 | 0 | 0 | 0 | 5359 | 10.4 | 20 | |
|----------|------|-----|---|---|---|---|---|------|------|----|--|

| | | | | | | | | | | | |
|-------------------------|------------------------|---------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: | Run ID: GC-I_100402A | | | | | | |
| Client ID: ZZZZZ | Batch ID: 25305 | TestNo: NWTPH-Gx | | Analysis Date: 4/2/2010 | SeqNo: 666479 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|----------|------|-----|------|---|-----|----|-----|---|---|--|--|
| Gasoline | 2856 | 100 | 2800 | 0 | 102 | 80 | 120 | 0 | 0 | | |
|----------|------|-----|------|---|-----|----|-----|---|---|--|--|

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1004008
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_W

| Sample ID: CCV | SampType: CCV | TestCode: NWTPHGX_ | Units: µg/L | Prep Date: | Run ID: GC-I_100402A | | | | | | |
|-------------------------|------------------------|---------------------------|--------------------|--------------------------------|-----------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25305 | TestNo: NWTPH-Gx | | Analysis Date: 4/2/2010 | SeqNo: 666485 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Gasoline | 3160 | 100 | 3000 | 0 | 105 | 80 | 120 | 0 | 0 | | |

Qualifiers: ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1004008
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: PAHLL_W

| Sample ID: MB-25296 | SampType: MBLK | TestCode: PAHLL_W | Units: µg/L | Prep Date: 4/1/2010 | Run ID: 5975Q_100402B | | | | | | |
|----------------------------|------------------------|--------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25296 | TestNo: 8270SIM | | Analysis Date: 4/2/2010 | SeqNo: 666359 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acenaphthene | ND | 0.0500 | | | | | | | | | |
| Acenaphthylene | ND | 0.0500 | | | | | | | | | |
| Anthracene | ND | 0.0500 | | | | | | | | | |
| Benz(a)anthracene | 0.01643 | 0.0500 | | | | | | | | | J |
| Benzo(a)pyrene | 0.00944 | 0.0500 | | | | | | | | | J |
| Benzo(b)fluoranthene | ND | 0.0500 | | | | | | | | | |
| Benzo(g,h,i)perylene | 0.01642 | 0.0500 | | | | | | | | | J |
| Benzo(k)fluoranthene | 0.01407 | 0.0500 | | | | | | | | | J |
| Chrysene | ND | 0.0500 | | | | | | | | | |
| Dibenz(a,h)anthracene | 0.01628 | 0.0500 | | | | | | | | | J |
| Fluoranthene | ND | 0.0500 | | | | | | | | | |
| Fluorene | 0.00195 | 0.0500 | | | | | | | | | J |
| Indeno(1,2,3-cd)pyrene | 0.01386 | 0.0500 | | | | | | | | | J |
| Naphthalene | ND | 0.0500 | | | | | | | | | |
| Phenanthrene | ND | 0.0500 | | | | | | | | | |
| Pyrene | ND | 0.0500 | | | | | | | | | |
| Surr: 2-Fluorobiphenyl | 10.77 | 1.00 | 20 | 0 | 53.9 | 18.6 | 106 | 0 | 0 | | |
| Surr: Nitrobenzene-d5 | 11.82 | 1.00 | 20 | 0 | 59.1 | 17 | 130 | 0 | 0 | | |
| Surr: p-Terphenyl-d14 | 17.23 | 1.00 | 20 | 0 | 86.2 | 39.6 | 131 | 0 | 0 | | |

| Sample ID: LCS-25296 | SampType: LCS | TestCode: PAHLL_W | Units: µg/L | Prep Date: 4/1/2010 | Run ID: 5975Q_100402B | | | | | | |
|-----------------------------|------------------------|--------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25296 | TestNo: 8270SIM | | Analysis Date: 4/2/2010 | SeqNo: 666357 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acenaphthene | 2.962 | 0.0500 | 5 | 0 | 59.2 | 35.1 | 100 | 0 | 0 | | |
| Benzo(g,h,i)perylene | 4.062 | 0.0500 | 5 | 0.01642 | 80.9 | 20.8 | 120 | 0 | 0 | | |
| Chrysene | 3.576 | 0.0500 | 5 | 0 | 71.5 | 39.1 | 119 | 0 | 0 | | |
| Naphthalene | 2.939 | 0.0500 | 5 | 0 | 58.8 | 25.6 | 106 | 0 | 0 | | |
| Phenanthrene | 3.027 | 0.0500 | 5 | 0 | 60.5 | 38.1 | 106 | 0 | 0 | | |
| Pyrene | 3.429 | 0.0500 | 5 | 0 | 68.6 | 41.3 | 118 | 0 | 0 | | |

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CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1004008
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: PAHLL_W

| | | | | | |
|------------------------------|------------------------|--------------------------|--------------------|--------------------------------|------------------------------|
| Sample ID: LCSD-25296 | SampType: LCSD | TestCode: PAHLL_W | Units: µg/L | Prep Date: 4/1/2010 | Run ID: 5975Q_100402B |
| Client ID: ZZZZZ | Batch ID: 25296 | TestNo: 8270SIM | | Analysis Date: 4/2/2010 | SeqNo: 666358 |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|----------------------|--------|--------|-----------|-------------|------|----------|-----------|-------------|-------|----------|------|
| Acenaphthene | 3.096 | 0.0500 | 5 | 0 | 61.9 | 35.1 | 100 | 2.962 | 4.43 | 20 | |
| Benzo(g,h,i)perylene | 4.088 | 0.0500 | 5 | 0.01642 | 81.4 | 20.8 | 120 | 4.062 | 0.639 | 20 | |
| Chrysene | 3.62 | 0.0500 | 5 | 0 | 72.4 | 39.1 | 119 | 3.576 | 1.23 | 20 | |
| Naphthalene | 2.964 | 0.0500 | 5 | 0 | 59.3 | 25.6 | 106 | 2.939 | 0.866 | 20 | |
| Phenanthrene | 3.212 | 0.0500 | 5 | 0 | 64.2 | 38.1 | 106 | 3.027 | 5.91 | 20 | |
| Pyrene | 3.569 | 0.0500 | 5 | 0 | 71.4 | 41.3 | 118 | 3.429 | 4.01 | 20 | |

| | | | | | |
|-----------------------------|------------------------|--------------------------|--------------------|--------------------------------|------------------------------|
| Sample ID: CCV-25296 | SampType: CCV | TestCode: PAHLL_W | Units: µg/L | Prep Date: | Run ID: 5975Q_100402B |
| Client ID: ZZZZZ | Batch ID: 25296 | TestNo: 8270SIM | | Analysis Date: 4/2/2010 | SeqNo: 666356 |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|------------------------|--------|--------|-----------|-------------|------|----------|-----------|-------------|------|----------|------|
| Acenaphthene | 4.991 | 0.0500 | 5 | 0 | 99.8 | 70 | 130 | 0 | 0 | | |
| Acenaphthylene | 5.306 | 0.0500 | 5 | 0 | 106 | 70 | 130 | 0 | 0 | | |
| Anthracene | 4.857 | 0.0500 | 5 | 0 | 97.1 | 70 | 130 | 0 | 0 | | |
| Benz(a)anthracene | 5.763 | 0.0500 | 5 | 0 | 115 | 70 | 130 | 0 | 0 | | |
| Benzo(a)pyrene | 5.531 | 0.0500 | 5 | 0 | 111 | 70 | 130 | 0 | 0 | | |
| Benzo(b)fluoranthene | 5.648 | 0.0500 | 5 | 0 | 113 | 70 | 130 | 0 | 0 | | |
| Benzo(g,h,i)perylene | 5.563 | 0.0500 | 5 | 0 | 111 | 70 | 130 | 0 | 0 | | |
| Benzo(k)fluoranthene | 4.948 | 0.0500 | 5 | 0 | 99 | 70 | 130 | 0 | 0 | | |
| Chrysene | 4.709 | 0.0500 | 5 | 0 | 94.2 | 70 | 130 | 0 | 0 | | |
| Dibenz(a,h)anthracene | 5.113 | 0.0500 | 5 | 0 | 102 | 70 | 130 | 0 | 0 | | |
| Fluoranthene | 4.971 | 0.0500 | 5 | 0 | 99.4 | 70 | 130 | 0 | 0 | | |
| Fluorene | 5.059 | 0.0500 | 5 | 0 | 101 | 70 | 130 | 0 | 0 | | |
| Indeno(1,2,3-cd)pyrene | 5.116 | 0.0500 | 5 | 0 | 102 | 70 | 130 | 0 | 0 | | |
| Naphthalene | 4.488 | 0.0500 | 5 | 0 | 89.8 | 70 | 130 | 0 | 0 | | |
| Phenanthrene | 4.605 | 0.0500 | 5 | 0 | 92.1 | 70 | 130 | 0 | 0 | | |
| Pyrene | 4.8 | 0.0500 | 5 | 0 | 96 | 70 | 130 | 0 | 0 | | |

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CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 1004008
Project: Powell-Salem / 07-303

ANALYTICAL QC SUMMARY REPORT

TestCode: PAHLL_W

| Sample ID: CCV-25296 | SampType: CCV | TestCode: PAHLL_W | Units: µg/L | Prep Date: | Run ID: 5975Q_100402B | | | | | | |
|-----------------------------|------------------------|--------------------------|--------------------|--------------------------------|------------------------------|----------|-----------|-------------|------|----------|------|
| Client ID: ZZZZZ | Batch ID: 25296 | TestNo: 8270SIM | | Analysis Date: 4/5/2010 | SeqNo: 666543 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Acenaphthene | 5.12 | 0.0500 | 5 | 0 | 102 | 70 | 130 | 0 | 0 | | |
| Acenaphthylene | 5.26 | 0.0500 | 5 | 0 | 105 | 70 | 130 | 0 | 0 | | |
| Anthracene | 4.78 | 0.0500 | 5 | 0 | 95.6 | 70 | 130 | 0 | 0 | | |
| Benz(a)anthracene | 5.89 | 0.0500 | 5 | 0 | 118 | 70 | 130 | 0 | 0 | | |
| Benzo(a)pyrene | 5.59 | 0.0500 | 5 | 0 | 112 | 70 | 130 | 0 | 0 | | |
| Benzo(b)fluoranthene | 5.72 | 0.0500 | 5 | 0 | 114 | 70 | 130 | 0 | 0 | | |
| Benzo(g,h,i)perylene | 5.64 | 0.0500 | 5 | 0 | 113 | 70 | 130 | 0 | 0 | | |
| Benzo(k)fluoranthene | 4.98 | 0.0500 | 5 | 0 | 99.6 | 70 | 130 | 0 | 0 | | |
| Chrysene | 4.74 | 0.0500 | 5 | 0 | 94.8 | 70 | 130 | 0 | 0 | | |
| Dibenz(a,h)anthracene | 5.21 | 0.0500 | 5 | 0 | 104 | 70 | 130 | 0 | 0 | | |
| Fluoranthene | 4.98 | 0.0500 | 5 | 0 | 99.6 | 70 | 130 | 0 | 0 | | |
| Fluorene | 5.18 | 0.0500 | 5 | 0 | 104 | 70 | 130 | 0 | 0 | | |
| Indeno(1,2,3-cd)pyrene | 5.22 | 0.0500 | 5 | 0 | 104 | 70 | 130 | 0 | 0 | | |
| Naphthalene | 4.79 | 0.0500 | 5 | 0 | 95.8 | 70 | 130 | 0 | 0 | | |
| Phenanthrene | 4.62 | 0.0500 | 5 | 0 | 92.4 | 70 | 130 | 0 | 0 | | |
| Pyrene | 4.77 | 0.0500 | 5 | 0 | 95.4 | 70 | 130 | 0 | 0 | | |

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B - Analyte detected in the associated Method Blank

KEY TO FLAGS

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards.
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- B The blank exhibited a positive result greater than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- H Sample was analyzed outside recommended hold time.
- HT At clients request, sample was analyzed outside recommended hold time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- N Gasoline result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- P Detection levels of Methylene Chloride may be laboratory contamination, due to previous analysis or background levels.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits, post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- * The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

TABLE 1
Groundwater Analytical Results - TPH-Dx, TPH-G, VOCs, and Dissolved Lead
1705 Lancaster Drive NE
Salem, Oregon
ECN Project No. 07-303



| Well I.D. | Date of Sampling | Casing Elevation (Feet amsl) | Depth to Water (Feet) | Groundwater Elevation (Feet amsl) | Change in Elevation (Feet) | TPH-Dx [1] | | TPH-G [2] | B [3] | T [3] | E [3] | X [3] | 1,2,4-TMB [3] | EDB [3] | EDC [3] | 1,3,5-TMB [3] | IPB [3] | MTBE [3] | NPB [3] | Naphthalene [3] | Other VOCs [3] | Dissolved Cd [4] | Dissolved Cr [4] | Dissolved Lead [4] | LAB | | |
|---|------------------|------------------------------|-----------------------|-----------------------------------|----------------------------|------------|----------|-----------|----------|----------|----------|----------|---------------|---------|---------|---------------|---------|-----------|---------|-----------------|---------------------------------|------------------|------------------|--------------------|---------|---------|----|
| | | | | | | Diesel | Lube Oil | | | | | | | | | | | | | | | | | | | | |
| MW-1 | 8/10/2007 | 99.66 | 10.54 | 89.12 | --- | 434 | ND<478 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND | --- | --- | --- | SA | | |
| | 3/20/2008 | 99.66 | 8.97 | 90.69 | 1.57 | 455 | ND<529 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND | --- | --- | --- | SA | | |
| | 9/29/2008 | 99.66 | 10.62 | 89.04 | -1.65 | 800 | ND<480 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<1.50 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND | --- | --- | --- | SA | | |
| | 3/27/2009 | 99.66 | 6.68 | 92.98 | 3.94 | 350 | 632 | ND<100 | ND<0.300 | ND<0.500 | ND<0.500 | ND<1.50 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND | --- | --- | --- | SA | | |
| | 6/30/2009 | 99.66 | 8.57 | 91.09 | -1.89 | 283 | ND<510 | ND<100 | ND1.00 | ND<1.00 | ND<1.00 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND | --- | --- | --- | SA | | |
| | 9/29/2009 | 99.66 | 10.99 | 88.67 | -2.42 | 643 | 694 | ND<100 | ND<0.300 | ND<0.500 | ND<0.500 | ND<1.50 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND | --- | --- | --- | SA | | |
| | 12/26/2009 | 99.66 | 6.09 | 93.57 | 4.9 | 417 | 783 | ND<100 | ND<0.300 | ND<0.500 | ND<0.500 | ND<1.50 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND | --- | --- | --- | SA | | |
| | 3/31/2010 | 99.66 | 5.38 | 94.28 | 0.71 | 212 | 255 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND | --- | --- | --- | SA | | |
| | 6/30/2010 | 99.66 | 8.93 | 90.73 | -3.55 | 380 | 350 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND | --- | --- | --- | SA | | |
| | 9/29/2010 | 99.66 | 9.40 | 90.26 | -0.47 | 355 | ND<190 | ND<100 | ND<100 | ND<0.300 | ND<0.500 | ND<0.500 | ND<1.50 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | SA | | |
| MW-2 | 8/10/2007 | 100.00 | 9.44 | 90.56 | --- | 1,880 | ND<479 | 2,390 | 159 | 1.89 | 14.3 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 58.8 | ND<1.00 | 134 | 1.80 | CE 1.08 NBB 13.4 SBB 8.22 | ND<0.1 | ND<1.0 | 0.83 | SA | | |
| | 3/20/2008 | 100.00 | 7.68 | 92.32 | 1.76 | 3,220 | 1230 | ND<100 | 310 | 1.64 | 12.5 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 49.7 | ND<1.00 | 127 | ND<1.00 | NBB 11.9 SBB 7.03 | --- | --- | ND<0.10 | SA | | |
| | 9/29/2008 | 100.00 | 10.74 | 89.26 | -3.06 | 2,820 | 890 | 26,500 | 290 | 1.16 | 6.96 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 35.7 | ND<1.00 | 97.4 | 4.52 | NBB 9.89 SBB 5.84 | ND<0.10 | ND<1.0 | ND<0.10 | SA | | |
| | 3/27/2009 | 100.00 | 5.85 | 94.15 | 4.89 | 7,820 | 1110 | 3,580 | 162 | 1.68 | 9.38 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 39.3 | ND<1.00 | 104 | ND<1.00 | NBB 8.99 SBB 5.08 | --- | --- | ND<0.10 | SA | | |
| | 6/30/2009 | 100.00 | 7.34 | 92.66 | -1.49 | 4,260 | 492 | ND<100 | 164 | 1.8 | 11.7 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 50.5 | ND<1.00 | 143 | ND<1.00 | NBB 10.8 SBB 7.44 | ND<0.10 | ND<1.0 | ND<0.10 | SA | | |
| | 9/29/2009 | 100.00 | 11.08 | 88.92 | -3.74 | 2,330 | 147 | 2,950 | 277 | 1.49 | 8.39 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 42.8 | ND<1.00 | 151 | 37.10 | NBB 11.6 SBB 6.93 | ND<0.10 | ND<1.0 | 0.2 | SA | | |
| | 12/26/2009 | 100.00 | 5.82 | 94.18 | 5.26 | 5,570 | 2000 | 1,660 | 137 | ND<1.00 | 3.23 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 21.7 | ND<1.00 | 66.3 | ND<1.00 | NBB 5.22 SBB 3.45 | ND<0.10 | ND<1.0 | ND<0.10 | SA | | |
| | 3/31/2010 | 100.00 | 4.74 | 95.26 | 1.08 | 4,510 | 819 | 1,810 | 168 | 1.29 | 6.63 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 28.3 | ND<1.00 | 91.7 | 5.86 | NBB 4.40 SBB 2.78 | ND<0.10 | ND<1.0 | ND<0.10 | SA | | |
| | 6/30/2010 | 100.00 | 6.67 | 93.33 | -1.93 | 3,750 | 723 | 2,700 | 239 | 1.19 | 6.70 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 36.2 | ND<1.00 | 107 | 2.79 | NBB 6.29 SBB 3.52 | ND<0.10 | ND<1.0 | ND<0.10 | SA | | |
| | 9/29/2010 | 100.00 | 9.49 | 90.51 | -2.82 | 2,990 | 339 | 1,700 | 213 | 1.49 | 7.51 | 2.30 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 47.2 | ND<1.00 | 137 | 3.64 | --- | ND<0.10 | ND<1.0 | 0.12 | SA | | |
| MW-3 | 8/10/2007 | 99.84 | 10.55 | 89.29 | --- | 337 | ND<478 | 336 | 0.420 | ND<1.00 | 10.1 | 6.30 | 10.9 | ND<1.00 | ND<1.00 | 1.90 | 1.36 | ND<1.00 | 3.27 | 1.78 | --- | --- | --- | --- | SA | | |
| | 3/20/2008 | 98.53 | 7.41 | 91.12 | 1.83 | 1420 | 862 | ND<100 | 4.240 | ND<1.00 | 52.6 | 16.90 | 12.4 | ND<1.00 | ND<1.00 | 3.62 | 6.54 | ND<1.00 | 16.1 | 19.5 | NBB 2.23 SBB 3.69 | --- | --- | --- | SA | | |
| | 9/29/2008 | 98.53 | 9.19 | 89.34 | -1.78 | 1610 | 603 | ND<100 | 0.360 | ND<1.00 | ND<1.00 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 2.41 | --- | --- | --- | --- | SA | | |
| | 3/27/2009 | 98.53 | 5.06 | 93.47 | 4.13 | 600 | 664 | ND<100 | 1.300 | ND<1.00 | 3.35 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | --- | --- | --- | ND<0.10 | SA | | |
| | 6/30/2009 | 98.53 | 6.92 | 91.61 | -1.86 | 660 | ND | ND<100 | 2.990 | ND<1.00 | 10.5 | ND<3.00 | 1.34 | ND<1.00 | ND<1.00 | ND<1.00 | 1.84 | ND<1.00 | 3.5 | 1.31 | SBB 1.73 | --- | --- | --- | ND<0.10 | SA | |
| | 9/29/2009 | 98.53 | 9.6 | 88.93 | -2.68 | 567 | 528 | 1050 | ND<0.300 | ND<1.00 | ND<1.00 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 1.53 | SBB 1.08 | --- | --- | --- | --- | SA | |
| | 12/26/2009 | 98.53 | 4.51 | 94.02 | 5.09 | 333 | 749 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | --- | --- | --- | --- | ND<0.10 | SA | |
| | 3/31/2010 | 98.53 | 3.86 | 94.67 | 0.65 | 171 | 274 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 2.22 | ND<1.00 | ND<1.00 | 1.36 | --- | --- | --- | --- | --- | SA | |
| | 6/30/2010 | 98.53 | 6.39 | 92.14 | -2.53 | 562 | 412 | 109 | 0.990 | ND<1.00 | 2.56 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 1.05 | ND<1.00 | --- | --- | --- | --- | ND<0.10 | SA |
| | 9/29/2010 | 98.53 | 7.94 | 90.59 | -1.55 | 2,310 | ND<194 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | --- | --- | --- | --- | --- | ND<0.10 | SA |
| Risk-Based Concentrations [5] | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - Volatilization to Outdoor Air (Occupational) | | | | | | >S | NE | >S | 14,000 | >S | 41,000 | >S | >S | 960 | 9,500 | >S | >S | 1,100,000 | NE | 16,000 | NE | NV | NV | NV | | | |
| - Vapor Intrusion into Buildings (Occupational) | | | | | | >S | NE | >S | 2,800 | >S | 7,400 | >S | >S | 690 | 3,800 | 41,000 | >S | 590,000 | NE | 10,000 | NE | NV | NV | NV | | | |
| - Groundwater in an Excavation | | | | | | >S | NE | 13,000 | 1,700 | 210,000 | 4,400 | 23,000 | 1,700 | 28 | 630 | 1,400 | >S | 62,000 | NE | 500 | NE | 57,000 | >S | >S | | | |

TABLE 1 - Continued
Groundwater Analytical Results - TPH-Dx, TPH-G, VOCs, and Dissolved Lead
1705 Lancaster Drive NE
Salem, Oregon
ECN Project No. 07-303



| Well I.D. | Date of Sampling | Casing Elevation (Feet amsl) | Depth to Water (Feet) | Groundwater Elevation (Feet amsl) | Change in Elevation (Feet) | TPH-Dx [1] | | TPH-G [2] | B [3] | T [3] | E [3] | X [3] | 1,2,4-TMB [3] | EDB [3] | EDC [3] | 1,3,5-TMB [3] | IPB [3] | MTBE [3] | NPB [3] | Naphthalene [3] | Other VOCs [3] | Dissolved Cd [4] | Dissolved Cr [4] | Dissolved Lead [4] | LAB |
|---|------------------|------------------------------|-----------------------|-----------------------------------|----------------------------|------------|----------|-----------|----------|----------|----------|---------|---------------|---------|---------|---------------|---------|-----------|---------|-----------------|----------------------------------|------------------|------------------|--------------------|-----|
| | | | | | | Diesel | Lube Oil | | | | | | | | | | | | | | | | | | |
| MW-4 | 8/10/2007 | 99.82 | 10.83 | 88.99 | --- | 534 | ND<490 | 2,320 | 137 | 3.15 | 88.3 | 21.50 | 3.94 | ND<1.00 | ND<1.00 | 2.14 | 19.1 | ND<1.00 | 66.2 | 55.6 | IPT 1.17 NBB 3.65 SBB 3.31 | ND<0.1 | ND<1.0 | 0.67 | SA |
| | 3/20/2008 | 99.82 | 9.45 | 90.37 | 1.38 | 388 | ND<485 | ND<100 | 62.3 | ND<1.00 | 35.0 | ND<3.00 | 1.36 | ND<1.00 | ND<1.00 | ND<1.00 | 3.63 | ND<1.00 | 8.47 | 14.8 | --- | --- | --- | 0.18 | SA |
| | 9/29/2008 | 99.82 | 10.96 | 88.86 | -1.51 | 812 | ND<491 | ND<100 | 248 | 1.88 | 201.0 | ND<3.00 | 2.07 | ND<1.00 | ND<1.00 | ND<1.00 | 18.2 | ND<1.00 | 42 | 89.6 | --- | --- | --- | 1.2 | SA |
| | 3/27/2009 | 99.82 | 7.29 | 92.53 | 3.67 | 428 | ND<481 | 522 | 39.7 | ND<1.00 | 3.6 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 1.66 | ND<1.00 | 2.56 | ND<1.00 | --- | --- | --- | ND<0.10 | SA |
| | 6/30/2009 | 99.82 | 9.11 | 90.71 | -1.82 | ND<245 | ND<489 | ND<100 | 15.5 | ND<1.00 | 1.0 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | --- | --- | --- | ND<0.10 | SA |
| | 9/30/2009 | 99.82 | 11.38 | 88.44 | -2.27 | 449 | ND<478 | 2,470 | 85.7 | 1.2 | 204.0 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | 1.35 | 25.4 | ND<1.00 | 41.6 | 105 | --- | --- | --- | 0.33 | SA |
| | 12/26/2009 | 99.82 | 6.89 | 92.93 | 4.49 | ND<239 | 499 | 111 | 5.33 | ND<1.00 | 1.6 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 2.32 | --- | --- | --- | 2.0 | SA |
| | 3/31/2010 | 99.82 | 5.97 | 93.85 | 0.92 | 118 | 218 | ND<100 | 7.23 | ND<1.00 | 1.6 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | --- | --- | --- | ND<0.10 | SA |
| | 6/30/2010 | 99.82 | | | | | | | | | | | | | | | | | | | | | | | |
| | 9/29/2010 | 99.82 | 9.49 | 90.33 | --- | 133 | ND<191 | 724 | 71.5 | 1.28 | 37.1 | 1.57 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 9.77 | ND<1.00 | ND<1.00 | ND<1.00 | --- | --- | --- | --- | SA |
| MW-5 | 8/10/2007 | 99.66 | 10.88 | 88.78 | --- | 247 | ND<478 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<1.50 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 1.26 | ND<1.00 | ND<1.00 | ND<1.00 | --- | --- | --- | --- | SA |
| | 3/20/2008 | 99.66 | 9.52 | 90.14 | 1.36 | ND<239 | ND<477 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | --- | --- | --- | --- | SA |
| | 9/29/2008 | 99.66 | 10.87 | 88.79 | -1.35 | 292 | ND<479 | ND<100 | ND<0.300 | ND<0.500 | ND<0.500 | ND<1.50 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | --- | --- | --- | --- | SA |
| | 3/27/2009 | 99.66 | 7.13 | 92.53 | 3.74 | ND<239 | ND<478 | ND<100 | ND<0.300 | ND<0.500 | ND<0.500 | ND<1.50 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | --- | --- | --- | --- | SA |
| | 6/30/2009 | 99.66 | 9.15 | 90.51 | -2.02 | ND<255 | ND<509 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND | --- | --- | --- | SA |
| | 9/30/2009 | 99.66 | 11.27 | 88.39 | -2.12 | ND<239 | ND<478 | ND<100 | ND<0.300 | ND<0.500 | ND<0.500 | ND<1.50 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | --- | --- | --- | --- | SA |
| | 12/26/2009 | 99.66 | 6.77 | 92.89 | 4.5 | ND<239 | ND<479 | ND<100 | ND<0.300 | ND<0.500 | ND<0.500 | ND<1.50 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | --- | --- | --- | --- | SA |
| | 3/31/2010 | 99.66 | 5.79 | 93.87 | 0.98 | ND<77.5 | ND<194 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | --- | --- | --- | --- | SA |
| | 6/30/2010 | 99.66 | 8.53 | 91.13 | -2.74 | ND<815 | 209 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | --- | --- | --- | --- | SA |
| | 9/29/2010 | 99.66 | 9.72 | 89.94 | -1.19 | ND<76.4 | ND<191 | ND<100 | ND<0.300 | ND<0.500 | ND<0.500 | ND<1.50 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | SA |
| Risk-Based Concentrations [5] | | | | | | | | | | | | | | | | | | | | | | | | | |
| - Volatilization to Outdoor Air (Occupational) | | | | | | >S | NE | >S | 14,000 | >S | 41,000 | >S | >S | 960 | 9,500 | >S | >S | 1,100,000 | NE | 16,000 | NE | NV | NV | NV | |
| - Vapor Intrusion into Buildings (Occupational) | | | | | | >S | NE | >S | 2,800 | >S | 7,400 | >S | >S | 690 | 3,800 | 41,000 | >S | 590,000 | NE | | NE | NV | NV | NV | |
| - Groundwater in an Excavation (Construction and Excavation Worker) | | | | | | >S | NE | 13,000 | 1,700 | 210,000 | 4,400 | 23,000 | 1,700 | 28 | 630 | 1,400 | >S | 62,000 | NE | 500 | NE | 57,000 | >S | >S | |

ABBREVIATIONS:

B: Benzene
T: Toluene
E: Ethylbenzene
X: Total Xylenes
TMB: Trimethylbenzene
EDB: Ethylene Dibromide
EDC: Ethylene Dichloride
IPB: Isopropylbenzene
MTBE: Metyl tertiary-butyl ether
NPB: n-Propylbenzene
>S: The groundwater RBC exceeds the solubility limit.

NBB: n-Butylbenzene
SBB: sec- Butylbenzene
CE: Chloroethane
IPT: Isopropyltoluene
Cd: Cadmium
Cr: Chromium
ND: Not detected at or above the indicated laboratory reporting limit
NE: Not established by DEQ
NV: This chemical is considered "nonvolatile" for purposes of the exposure calculations
>S: The groundwater RBC exceeds the solubility limit.

Results are in micrograms per liter (µg/L)

(1) Northwest Method NWTPH-Dx
(2) Northwest Method NWTPH-Gx
(3) EPA Method 8021B Or 8260B
(4) EPA Method 6011
(5) Oregon Department of Environmental Quality (DEQ) Generic Risk Based Concentrations (RBCs)

TABLE 2
Groundwater Analytical Results (PAHs)
1705 Lancaster Drive NE
Salem, Oregon
ECN Project No. 07-303



| Polynuclear Aromatic Hydrocarbons (µg/L) [1] | | Acenaphthene | Acenaphthylene | Anthracene | Benzo(a)anthracene | Benzo(a)pyrene | Benzo(b)fluoranthene | Benzo(g,h,i)perylene | Benzo(k)fluoranthene | Chrysene | Dibenz(a,h)anthracene | Fluoranthene | Fluorene | Indeno(1,2,3-cd)pyrene | Naphthalene | Phenanthrene | Pyrene | LAB |
|---|-------------|--------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-----------|-----------------------|--------------|-----------|------------------------|-------------|--------------|-----------|-----|
| Sample Identification | Sample Date | | | | | | | | | | | | | | | | | |
| MW-1 | 9/29/2008 | 0.11 | ND<0.0500 | 0.09 | 0.06 | 0.09 | 0.07 | 0.18 | 0.100 | 0.06 | 0.16 | 0.2 | 0.15 | 0.16 | ND<0.050 | 0.4 | 0.14 | SA |
| | 3/27/2009 | ND<0.0474 | ND<0.0474 | ND<0.0474 | ND<0.0474 | ND<0.0474 | ND<0.0474 | ND<0.0474 | ND<0.0474 | ND<0.0474 | ND<0.0474 | ND<0.0474 | ND<0.0474 | ND<0.0474 | 0.0854 | ND<0.0474 | ND<0.0474 | SA |
| | 6/30/2009 | ND<0.0507 | ND<0.0507 | ND<0.0507 | ND<0.0507 | ND<0.0507 | ND<0.0507 | ND<0.0507 | ND<0.0507 | ND<0.0507 | ND<0.0507 | ND<0.0507 | ND<0.0507 | ND<0.0507 | ND<0.0507 | ND<0.0507 | ND<0.0507 | SA |
| | 9/29/2009 | ND<0.0516 | ND<0.0516 | ND<0.0516 | ND<0.0516 | ND<0.0516 | ND<0.0516 | ND<0.0516 | ND<0.0516 | ND<0.0516 | ND<0.0516 | ND<0.0516 | ND<0.0516 | ND<0.0516 | ND<0.0516 | ND<0.0516 | ND<0.0516 | SA |
| | 12/26/2009 | ND<0.0480 | ND<0.0480 | ND<0.0480 | ND<0.0480 | ND<0.0480 | ND<0.0480 | ND<0.0480 | ND<0.0480 | ND<0.0480 | ND<0.0480 | ND<0.0480 | ND<0.0480 | ND<0.0480 | ND<0.0480 | ND<0.0480 | ND<0.0480 | SA |
| MW-2 | 8/10/2007 | 1.35 | 0.191 | 0.153 | ND<0.0478 | ND<0.0478 | ND<0.0478 | ND<0.0478 | ND<0.0478 | ND<0.0478 | ND<0.0478 | ND<0.0478 | 3.04 | ND<0.0478 | 0.574 | 1.00 | 0.0478 | SA |
| | 9/29/2009 | 5.89 | ND<0.0479 | 1.91 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | 1.09 | 12.2 | ND<0.0479 | 20.9 | 25.8 | 0.892 | SA |
| | 3/27/2009 | 1.34 | 0.317 | 0.231 | ND<0.0480 | ND<0.0480 | ND<0.0480 | 0.048 | ND<0.0480 | ND<0.0480 | ND<0.0480 | ND<0.0480 | 2.86 | ND<0.0480 | 0.768 | 2.2 | 0.106 | SA |
| | 6/30/2009 | 2.27 | 0.546 | ND<0.0515 | ND<0.0515 | ND<0.0515 | ND<0.0515 | ND<0.0515 | ND<0.0515 | ND<0.0515 | ND<0.0515 | ND<0.0515 | 4.97 | ND<0.0515 | 1.23 | 4.22 | 0.0619 | SA |
| | 9/29/2009 | 167 | 84.5 | 112 | ND<6.04 | ND<6.04 | ND<6.04 | ND<6.04 | ND<6.04 | ND<6.04 | ND<6.04 | ND<6.04 | 466 | ND<6.04 | ND<6.04 | 710 | 43.5 | SA |
| | 3/31/2010 | 2.04 | 0.508 | 0.171 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | 0.0577 | 4.49 | ND<0.0500 | 1.31 | 3.22 | 0.127 | SA |
| | 6/30/2010 | 1.95 | 0.369 | 0.123 | ND<0.0473 | ND<0.0473 | ND<0.0473 | ND<0.0473 | ND<0.0473 | ND<0.0473 | ND<0.0473 | ND<0.0473 | 3.64 | ND<0.0473 | 1.16 | 3.24 | 0.0851 | SA |
| | 9/29/2010 | 1.88 | 0.383 | 0.192 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | 4.08 | ND<0.0479 | 0.795 | 2.89 | 0.0862 | SA |
| MW-3 | 3/20/2008 | 0.252 | ND<0.0547 | ND<0.0547 | ND<0.0547 | ND<0.0547 | ND<0.0547 | ND<0.0547 | ND<0.0547 | ND<0.0547 | ND<0.0547 | ND<0.0547 | 0.591 | ND<0.0547 | 3.29 | 0.339 | ND<0.0547 | SA |
| | 9/29/2008 | 0.09 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | 0.14 | 0.15 | ND<0.0500 | ND<0.0500 | 0.28 | 0.14 | SA |
| | 3/27/2009 | ND<0.0473 | ND<0.0473 | ND<0.0473 | ND<0.0473 | ND<0.0473 | ND<0.0473 | ND<0.0473 | ND<0.0473 | ND<0.0473 | ND<0.0473 | ND<0.0473 | 0.0473 | ND<0.0473 | 0.0947 | ND<0.0473 | ND<0.0473 | SA |
| | 6/30/2009 | ND<0.0509 | ND<0.0509 | ND<0.0509 | 0.0713 | 0.0509 | ND<0.0509 | 0.0713 | ND<0.0509 | 0.0713 | 0.611 | ND<0.0509 | 0.0713 | 0.0611 | 0.0815 | 0.0815 | ND<0.0509 | SA |
| | 9/29/2009 | ND<0.0482 | ND<0.0482 | ND<0.0482 | ND<0.0482 | ND<0.0482 | ND<0.0482 | ND<0.0482 | ND<0.0482 | ND<0.0482 | ND<0.0482 | ND<0.0482 | ND<0.0482 | ND<0.0482 | ND<0.0482 | 0.0674 | ND<0.0482 | SA |
| | 12/26/2009 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | ND<0.0479 | SA |
| | 3/31/2010 | 0.217 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | 0.0202 | 0.259 | ND<0.0500 | 1.42 | 0.65 | 0.113 | SA |
| | 6/30/2010 | ND<0.0511 | ND<0.0511 | ND<0.0511 | ND<0.0511 | ND<0.0511 | ND<0.0511 | ND<0.0511 | ND<0.0511 | ND<0.0511 | ND<0.0511 | ND<0.0511 | 0.0920 | ND<0.0511 | ND<0.0511 | ND<0.0511 | ND<0.0511 | SA |
| 9/29/2010 | ND<0.0477 | ND<0.0477 | ND<0.0477 | ND<0.0477 | ND<0.0477 | ND<0.0477 | ND<0.0477 | ND<0.0477 | ND<0.0477 | ND<0.0477 | ND<0.0477 | ND<0.0477 | ND<0.0477 | 0.0858 | 0.0763 | ND<0.0477 | SA | |
| MW-4 | 8/10/2007 | ND<0.0489 | ND<0.0489 | ND<0.0489 | ND<0.0489 | ND<0.0489 | ND<0.0489 | ND<0.0489 | ND<0.0489 | ND<0.0489 | ND<0.0489 | ND<0.0489 | ND<0.0489 | ND<0.0489 | 17.8 | ND<0.0489 | ND<0.0489 | SA |
| | 9/29/2008 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | ND<0.0500 | 0.11 | 0.08 | ND<0.0500 | 45 | 0.23 | 0.07 | SA |
| | 3/27/2009 | ND<0.0486 | ND<0.0486 | ND<0.0486 | ND<0.0486 | ND<0.0486 | ND<0.0486 | ND<0.0486 | ND<0.0486 | ND<0.0486 | ND<0.0486 | ND<0.0486 | ND<0.0486 | ND<0.0486 | 0.671 | ND<0.0486 | ND<0.0486 | SA |
| Risk-Based Concentrations [2] | | | | | | | | | | | | | | | | | | |
| - Volatilization to Outdoor Air (Occupational) | | >S | NE | >S | NV | NV | NV | NE | NV | NV | NV | NV | >S | NV | 16,000 | NE | NV | |
| - Vapor Intrusion into Buildings (Occupational) | | >S | NE | >S | NV | NV | NV | NE | NV | NV | NV | NV | >S | NV | 10,000 | NE | NV | |
| - Groundwater in an Excavation (Construction and Excavation Worker) | | >S | NE | >S | 9.1 | 0.53 | >S | NE | >S | >S | 0.21 | >S | >S | >S | 500 | NE | >S | |

Abbreviations:

ND not detected at or above the indicated laboratory reporting limit

SA Specialty Analytical

µg/L Micrograms per Liter

NV: This chemical is considered "nonvolatile" for purposes of the exposure calculations

NE: A Risk-Based Concentration has not been determined for this constituent

>S: The groundwater RBC exceeds the solubility limit.

[1] DEQ Method 8270SIM

[2] Oregon Department of Environmental Quality (DEQ) Generic Risk Based Concentrations (RBCs) (DEQ, 2009).

Kris Byrd

From: Kathy Metzger [kmetzger@cascadedrilling.com]
Sent: Wednesday, January 26, 2011 2:04 PM
To: Kris Byrd
Cc: Darryl Metzger; Ryan Galbreth
Subject: Cascade Drilling, L.P. - Variance Request - 1705 Lancaster Dr. NE Salem (5215)
Attachments: 1stQ2010lab.pdf; 2ndQ2010lab.pdf; 3rdQ2010lab.pdf; MW-1(MW-5).pdf; MW-2(MW-4).pdf; MW-5(MW-3).pdf; Powell-SalemQ3-10.xls; Salem Sitepaln.pdf; 5215 Var Request ABD CIP 1-26-2011.pdf

Greetings,

Please see attached.

Thank you,

Kathy Metzger
Administration
Cascade Drilling, L.P.
13600 SE Ambler Rd.
Clackamas, OR 97015
Office: (503)775-4118
Fax: (503)775-4099

From: Ryan Galbreth [mailto:rgalbreth@cascadedrilling.com]
Sent: Wednesday, January 26, 2011 1:28 PM
To: Kathy Metzger
Subject: FW: Salem Project

Kathy,

I will bring the paperwork over in a minute.

Ryan

From: John Day [mailto:jday@dayenv.com]
Sent: Wednesday, January 26, 2011 12:19 PM
To: rgalbreth@cascadedrilling.com
Subject: Salem Project

Ryan, per our discussion, attached is the information for the three monitoring wells we would like to decommission at the Powell Distributing site located at 1705 Lancaster Drive NE, Salem, Oregon. The decommissioning/replacement of the monitoring wells is based on the City of Salem's plans to widen both Lancaster Drive NE and Market Street NE.

There is a discrepancy between Cascade's well logs and Environmental Compliance Northwest's (ECN's) labeling of the monitoring wells. The differences are as follow:

| <u>Cascade's well ID</u> | <u>ECN's well ID</u> |
|--------------------------|----------------------|
| MW-1 | MW-5 |
| MW-2 | MW-4 |
| MW-5 | MW-3 |

ECN's well ID numbers correlate to the laboratory reports, analytical table, and ECN's Site Plan, which are attached. Cascade's well log information is also attached.

Please call/email with any questions or if additional information is needed.

Thanks,
John

John M. Day, RG, LHg
Principal Geologist/President
Environmental Compliance Northwest, Inc.
(503) 372-9760 - Phone
(503) 213-9980 - Fax

1012357 ✓ (mw2 - mw4) (~~mw2 - mw4~~) ^{Res}
~~(Benzene 9/29/10)~~ (^{Res} Diesel 9/29/10) (^{Res} gasoline 9/29/10)
(^{Res} Benzene 9/29/10) (^{Res} naphthalene 9/29/10)

1012358 ✓ (mw5 - mw3) (^{Res} Diesel ~~mw3~~) 9/29/10
~~(Benzene 9/29/10)~~ (~~mw3~~)

1012359 ✓ (mw1 - mw5)

Oregon DEQ Facility Profiler 2.0

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Facility Summary Report

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Maps



Facility / Site Information for Location 23933

| | | | |
|----------------------------|---------------------------------------|---------------------------|----------------------|
| Facility/Site Name: | CTW, INC DBA CASCADE TIRE WHOLESALERS | Latitude: | 44° 57' 1.18" |
| Address: | 1705 LANCASTER DR NE | Longitude: | -122° 59' 2.09" |
| City State Zip: | SALEM OR 97303 | Location Accuracy: | MEDIUM |
| | | Last Updated: | 8/27/2003 4:04:43 PM |

Aliases

CASCADE TIRE WHOLESALE CO LUST

Geographic Features

| | | | | | |
|-------------------------------|-------------------|------------------------|-----|---------------------------|----------------------|
| Township: | T7S-R2W-S0 | Congress Dist: | 5 | Forest Type: | N/A |
| County: | MARION | OR Senate Dist: | 11 | Vegetation: | Urban and industrial |
| Watershed: | MIDDLE WILLAMETTE | OR House Dist: | 22 | Agricultural Land: | PREDOM IRR |
| Drinking Water Source: | | | N/A | | |

Oregon DEQ Program Information

Leaking Underground Storage Tanks (LUST)

| Log Number | Received | Cleanup Initiated | Cleanup Complete | Type | Heating Oil Tank | UST Facility ID | Status | Detail Information ¹ |
|------------|----------|-------------------|------------------|-----------|------------------|-----------------|-----------------|---------------------------------|
| 24-88-4082 | | 11/17/1996 | | REGULATED | | 8752 | CLEANUP_STARTED | LUST Site Report |

¹ Linked reports may be unavailable from 9:00pm to 7:00am PST due to system maintenance.

² DEQ does not maintain air discharge permit information for Lane County.

More Information on this location

Oregon DEQ Neighborhood Info (by region/county)
 See wells in the same Township Range Section from the Oregon Water Resources Department Well logs Application
 See county's scanned assessor maps through ORMAP

[\[DEQ's Privacy Notice\]](#) [\[Contact DEQ\]](#) [\[Application Feedback\]](#)

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Leaking Underground Storage Tanks (LUST) Site Information

Home > Programs > LUST Program Information > LUST Database

(Use "Back" button on browser to return to previous search results)

Leaking Underground Storage Tank (LUST) Site Information

| | | |
|-------------------------------------|-----------------------------------|--------------------------|
| Log Nbr: 24-88-4082 | Basic Incident Information | Status: ACTIVE |
| Site Name: CASCADE TIRE WHOLESAL CO | | Received Date: 8/31/1988 |
| Address: 1705 LANCASTER DRIVE, NE | | UST Facility Id: 8752 |
| City: SALEM | Zip Code: 97303 | County: MARION |
| Site Type: Risk Based Standards | File Status: | |
| Heating Oil Tank (HOT): | Regulated Tank: YES | |

| | | |
|----------------|-------------------------------|------------------|
| | Assessment Information | 24-88-4082 |
| Cause: UNKNOWN | Source: Not Reported | Discovery: OTHER |

| | |
|--------------------|-------------------------------|
| Media Effected | Contaminants Released |
| >Soil >GroundWater | >LeadedGas >Deisel >Waste Oil |

| | | |
|------------------------|-----------------------------|----------------|
| Free Product Removed: | Free Vapor Removed: | CAP Requested: |
| Delineate Groundwater: | Groundwater Delineated: YES | CAP Submitted: |
| Delineate Soil: | Soil Delineated: YES | CAP Approved: |
| | Compliance Monitoring: | |

| | | |
|---------------------------------|--------------------------------|-------------------|
| | Management Information | 24-88-4082 |
| Release Stopped Date: 8/31/1988 | Cleanup Start Date: 11/17/1996 | Cleanup End Date: |

Work Reported Information 24-88-4082

| Work Reported | Reported By | Reported Date |
|---------------------------|------------------------------------|---------------|
| Groundwater Investigation | Environmental Compliance Northwest | 5/21/2010 |
| Work Plan | Kleinfelder, Inc. | 10/18/2007 |
| Tank Decommissioning | AGRA EARTH & ENVIRONMENTAL | 4/11/1997 |

**This information may not reflect current status of site.
For further detail, refer to the DEQ Regional Office file.**

This page last updated: January 9, 2006
DEQ Online is the official web site for the Oregon Department of Environmental Quality.



Oregon Department of Environmental Quality
 CASCADE TIRE WHOLESale CO

Print

Summary Information

General Site Information

24-88-4082

Site Name: CASCADE TIRE WHOLESale CO
Address: 1705 LANCASTER DRIVE, NE
 SALEM, 97303
County: MARION
Site Type: Risk Based Standards
Project Manager: Herrington Rose

Basic Incident Information

Received Date: 08/31/1988
Status: ACTIVE
Tank Type: Regulated Tank
UST Facility Id: 8752
Phone Number: (503) 378-5074

Assessment Information

| | | |
|---|---|--------------------------------|
| Cause of Release: UNKNOWN | Source of Release: NOT REPORTED | Discovery Method: OTHER |
| Media Effected >Soil >GroundWater | Contaminants Released >LeadedGas >Diesel >Waste Oil | |

Soil Delineated YES **Groundwater Delineated** YES

Management Information

Release Stopped Date: 08/31/1988 **Cleanup Start Date:** 11/17/1996 **Cleanup End Date:**

Work Reported Information

| Work Reported | Reported Date |
|---------------------------|----------------------|
| Groundwater Investigation | 5/21/2010 |
| Work Plan | 10/18/2007 |
| Tank Decommissioning | 4/11/1997 |

Site Documents

Click the link to view the document.

| File Name | Category | File Size MB | Upload Date |
|---|-----------------|---------------------|--------------------|
| Cascade Tire Wholesale ECN 5-21-2010 Report.pdf | Miscellaneous | 1.1116 | 8/17/2010 |
| Cascade Tire 2003 Diagram-Data.pdf | Site Diagrams | 0.3489 | 3/2/2010 |
| Cascade Tire Wholesale 5-21-2010 Site Diagrams.pdf | Site Diagrams | 0.2571 | 8/17/2010 |
| Cascade Tire Wholesale 5-21-2010 Data Tables.pdf | Site Diagrams | 0.5154 | 8/17/2010 |
| Cascade Tire Wholesale 5-21-2010 GW Contour Diagram.pdf | Site Diagrams | 0.1027 | 8/17/2010 |

Oregon Department of Environmental Quality
 Headquarters: 811 Sixth Ave., Portland, OR 97204-1390
 phone: 503-229-5696 or toll free in Oregon 800-425-4011
 TTY: 503-229-6993 FAX: 503-229-6124

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the State of Oregon and the Environmental Protection Agency.

DEQ Web site privacy notice



Oregon Department of Environmental Quality
 CASCADE TIRE WHOLESale CO

Print

Summary Information

General Site Information

24-88-4082

Site Name: CASCADE TIRE WHOLESale CO
Address: 1705 LANCASTER DRIVE, NE
 SALEM, 97303
County: MARION
Site Type: Risk Based Standards
Project Manager: Herrington Rose

Basic Incident Information

Received Date: 08/31/1988
Status: ACTIVE
Tank Type: Regulated Tank
UST Facility Id: 8752
Phone Number: (503) 378-5074

Assessment Information

| | | |
|---|---|--------------------------------|
| Cause of Release: UNKNOWN | Source of Release: NOT REPORTED | Discovery Method: OTHER |
| Media Effected >Soil >GroundWater | Contaminants Released >LeadedGas >Diesel >Waste Oil | |
| Soil Delineated YES | Groundwater Delineated YES | |

Management Information

Release Stopped Date: 08/31/1988
Cleanup Start Date: 11/17/1996
Cleanup End Date:

Work Reported Information

| Work Reported | Reported Date |
|---------------------------|---------------|
| Groundwater Investigation | 5/21/2010 |
| Work Plan | 10/18/2007 |
| Tank Decommissioning | 4/11/1997 |

Site Documents

Click the link to view the document.

| File Name | Category | File Size MB | Upload Date |
|---|---------------|--------------|-------------|
| Cascade Tire Wholesale ECN 5-21-2010 Report.pdf | Miscellaneous | 1.1116 | 8/17/2010 |
| Cascade Tire 2003 Diagram-Data.pdf | Site Diagrams | 0.3489 | 3/2/2010 |
| Cascade Tire Wholesale 5-21-2010 Site Diagrams.pdf | Site Diagrams | 0.2571 | 8/17/2010 |
| Cascade Tire Wholesale 5-21-2010 Data Tables.pdf | Site Diagrams | 0.5154 | 8/17/2010 |
| Cascade Tire Wholesale 5-21-2010 GW Contour Diagram.pdf | Site Diagrams | 0.1027 | 8/17/2010 |

Oregon Department of Environmental Quality

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ENVIRONMENTAL COMPLIANCE NORTHWEST

PO BOX 230163
PORTLAND, OR 97281

(503) 372-9760 Phone
(503) 213-9980 Fax

TRANSMITTAL

Date: May 21, 2010
File: 07-303

TO:

Mr. Herrington Rose
Oregon DEQ, Western Region
750 Front Street NE
Salem, OR 97301

Subject

**Additional Site Assessment and
Monitoring Well Installation Report
Powell Distributing Company
1705 Lancaster Drive NE
Salem, Oregon**

DEQ LUST File No.: 24-88-4082

We are sending the following:

One copy of the above-referenced report. Also enclosed is a summary of the historic groundwater monitoring results through first quarter 2010.

Remarks:

If you have any questions, please contact our office at (503) 372-9760.
Thank you.

By:

John M. Day, R.G.
Principal Geologist
President

**ADDITIONAL SITE ASSESSMENT AND MONITORING
WELL INSTALLATION REPORT**

**POWELL DISTRIBUTING COMPANY
1705 LANCASTER DRIVE NE
SALEM, OREGON
DEQ FILE No.: 24-88-4082
ECN PROJECT No. 07-303**



May 21, 2010



ENVIRONMENTAL COMPLIANCE NORTHWEST

PO BOX 230163
PORTLAND, OR 97281

(503) 372-9760 Phone
(503) 213-9980 Fax

May 21, 2010
ECN Project No. 07-303

Mr. Lee Powell, Jr.
Powell Distributing Company
9125 North Burrage
Portland, Oregon 97217

**SUBJECT: Additional Site Assessment and
Monitoring Well Installation Report
Powell Distributing Company
1705 Lancaster Drive NE
Salem, Oregon
DEQ LUST File No.: 24-88-4082**

Dear Mr. Powell:

Environmental Compliance Northwest, Inc., (ECN) is pleased to submit this Additional Site Assessment and Monitoring Well Installation Report for the above referenced facility. We hope this report meets your needs at this time. If you should require additional information, please contact us at 503-372-9760.

Sincerely,

ENVIRONMENTAL COMPLIANCE NORTHWEST, INC.



John M. Day, RG
Principal Geologist
President

cc: Herrington Rose-DEQ, Western Region-Salem

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1. Soil Analytical Results-TPH-Dx, TPH-Gx, VOCs, and Metals
2. Soil Analytical Results-PAHs
3. Groundwater Analytical Results – TPH-Dx, TPH-Gx, VOCs, and Metals
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FIGURES

1. Vicinity Map
2. Site Plan
3. Soil Analytical Results Map
4. Groundwater Contour Map
4. Groundwater Analytical Results Map

APPENDICES

- A. Boring Logs and Well Construction Details
- B. Laboratory Reports and Chain of Custody

1.0 INTRODUCTION

This report describes the additional site assessment and monitoring well installation activities conducted in July and August 2007 at the Powell Distributing Company (PDC) site located at 1705 Lancaster Drive NE in Salem, Oregon (Figure 1). The site activities were performed to further define the extent of petroleum hydrocarbon impacts in soil and groundwater beneath the site.

2.0 SITE DESCRIPTION

The site is located at the northwest corner of Lancaster Drive NE and Market Street NE in Salem, Oregon. One building is present at the site and is currently occupied by commercial businesses. The site is relatively flat and paved with concrete. The southeast and southwest portions of the site are landscaped. The locations of pertinent site features are shown on Figure 2. The site is located in an area of commercial development.

3.0 BACKGROUND

The site was formerly a bulk petroleum storage and service station facility. A total of five underground storage tanks (USTs) were decommissioned by in-place abandonment at the site during the 1980s. The estimated capacities the USTs follow: one 10,000-gallon, two 6,000-gallon, and two 4,000-gallon tanks. The contents of the USTs were gasoline, diesel, and stove oil. The approximate locations of the decommissioned USTs and associated fuel dispenser island are shown on Figure 2.

In August 1988, apparent petroleum hydrocarbon-impacted soil was encountered while erecting a sign on the north side of the property (see Figure 2). A City of Salem inspector observed a diesel odor in the sign excavation. Based on information contained in the DEQ file, soil remediation was not conducted.

In November 1996, Goodyear Tire and Rubber Company (site tenant) decommissioned an approximate 550-gallon used oil UST by removal near the northeast corner of the existing site building (Figure 2). Petroleum hydrocarbon-impacted soil was observed during decommissioning activities. Analytical testing confirmed the impact. Relatively high concentrations of diesel and heavy oil-range hydrocarbons were detected in a soil sample collected the north end of the former UST, however, used oil-related constituent analyses (volatile organic compounds (VOCs), toxic characteristic leaching procedure (TCLP) cadmium, chromium, and lead) were performed on the less contaminated soil sample collected from the beneath the south end of the former UST, as well as the contaminated soil stockpile. VOCs and

TCLP cadmium, chromium, and lead were either not detected at or above the laboratory reporting limits or were below the Oregon Soil Cleanup (SoClean) levels.

Kleinfelder conducted additional site investigation activities at the site in January 2003. A total of eight direct-push borings were completed, and soil and groundwater samples were collected from each boring. Based on field indications and laboratory results, gasoline- and diesel-range hydrocarbons were encountered in samples collected in the northern portion of the site. Gasoline-range hydrocarbons were not detected in soil samples collected in the southern portion of the site. A shallow, water-bearing zone was encountered at approximately 15 feet bgs. Grab groundwater samples were analyzed from six of the borings. Elevated VOC concentrations (benzene ranged from 48 to 1,720 micrograms per liter (ug/L)) were detected. Relatively low PAH concentrations were also detected in the grab groundwater samples analyzed (Kleinfelder, 2003).

4.0 FIELD ACTIVITIES

The following sections describe the additional site assessment, groundwater monitoring, laboratory test methods, and findings.

4.1 SOIL AND GROUNDWATER ASSESSMENT

A total of five monitoring wells (MW-1 through MW-5) were installed on July 12 and 13, 2007. Monitoring well MW-1 is located adjacent to the east side of existing building. Monitoring well MW-2 is located near the northeast corner of the existing building, adjacent to a former used oil UST. Monitoring well MW-3 is located at northeast corner of the site, near the abandoned UST cavity. Monitoring wells MW-4 and MW-5 are located in the southern portion of the site, within the southeast and southwest landscaped areas. Figure 2 through 5 show the location of the monitoring wells.

The monitoring well borings were drilled by Cascade Drilling (Cascade), based in Portland, Oregon, using direct-push drilling technology. The well bores were drilled and sampled to a maximum depth of approximately 25 feet below the ground surface (bgs). Boring logs are presented in Appendix A.

Soil was sampled continuously and soil samples were collected at maximum intervals of 5 feet. Soil samples were examined for evidence of staining and/or hydrocarbon odor. Generally, the soil samples with the highest field-indications of impact were submitted for laboratory analysis. If indications of petroleum hydrocarbon-impact were not observed, the soil sample collected from the approximate soil/shallow water-bearing zone interface was submitted for laboratory

analysis. The samples were placed in an ice-chilled cooler and transported under chain-of-custody documentation to Specialty Analytical in Tualatin, Oregon.

4.2 MONITORING WELL INSTALLATION AND DEVELOPMENT

Monitoring wells MW-1 through MW-5 were installed on July 12 and 13, 2007, in accordance with the Oregon Water Resources Department (WRD) guidelines.

The monitoring well borings were completed to a maximum depth of approximately 25 feet bgs. All wells were constructed with factory-slotted, schedule 40 "pre-packed" polyvinyl chloride (PVC) well screen consisting of 0.010-inch 1-inch diameter slotted PVC casing from 5 feet to 20 feet (MW-1 through MW-3) and 5 feet to 25 feet (MW-4 and MW-5) bgs, with a 5 foot section of blank PVC casing extending to the ground surface. The annulus between the well casing and the well bore was filled with sand to approximately 1-foot above the screened interval. The remaining annulus was filled with a bentonite seal. The wells were completed flush at the ground surface with traffic-rated monuments. Well construction details are shown on the boring logs included in Appendix A.

Following installation, each well was developed using a peristaltic pump. The wells were purged until relatively sediment-free. The top of the well casings were surveyed relative to an arbitrary benchmark.

On August 10, 2007, water level measurements were recorded, and the presence of light non-aqueous phase liquid (LNAPL) was assessed in each well. LNAPL was not observed in any of the monitoring wells. The wells were then purged of groundwater to obtain water samples representative of the groundwater in the water-bearing zone. Purging was performed until a minimum of three well casing volumes were evacuated and/or the indicator parameters of pH, temperature, and specific conductivity stabilized. Groundwater samples were collected using a peristaltic pump, placed in an iced cooler, and transported to Specialty Analytical following chain-of-custody protocols.

5.0 ANALYTICAL TEST METHODS

The analytical test methods used for the additional site assessment and groundwater monitoring events are discussed below.

5.1 SOIL ANALYTICAL TEST METHODS

Select soil samples from each boring were analyzed for gasoline-range hydrocarbons (gasoline) by Northwest Method NWTPH-Gx, and diesel-range hydrocarbons (diesel) and lube oil-range petroleum hydrocarbons (lube oil) by Northwest Method NWTPH-Dx. Selected soil samples

were also analyzed for volatile organic hydrocarbons (VOCs) by EPA method 8260B and/or benzene, toluene, ethylene benzene (BTEX) by EPA Method 8021B. The soil samples collected from 2.5 feet bgs and 10 feet bgs in boring MW-2 (MW-2-2.5' and MW-2-10') were analyzed for cadmium (Cd), chromium (Cr), and lead (Pb) by EPA method 6010. In addition, soil sample MW-2-2.5' was analyzed for polynuclear aromatic hydrocarbons (PAHs) by DEQ Method 8270SIM. Soil analytical results are summarized in Tables 1 and 2.

5.2 GROUNDWATER ANALYTICAL TEST METHODS

Each groundwater sample collected during second quarter 2007 monitoring event was analyzed for DEQ risk-based decision making (RBDM) or total VOCs by EPA method 8260B; gasoline-range hydrocarbons by Northwest Method NWTPH-Gx; and diesel- and lube-oil range hydrocarbons by Northwest Method NWTPH-Dx. Groundwater samples collected from monitoring wells MW-2 and MW-4 were also analyzed for dissolved Cd, Cr, and Pb by EPA Method 6010. In addition, the groundwater samples collected from monitoring wells MW-2 and MW -4 were analyzed for PAHs by DEQ Method 8270SIM. Groundwater analytical results are shown in Tables 3 and 4.

6.0 FINDINGS

The findings of the additional soil assessment, monitoring well installation activities, and second quarter 2007 groundwater monitoring events are described in the following sections.

6.1 PHYSICAL RESULTS-ADDITIONAL SITE ASSESSMENT

Soil encountered during the July 2007 additional site assessment generally consisted of soft to medium firm silt to the maximum explored depth of 25 feet bgs, with increased very fine- to fine-grained sand content with depth. Silty sand was present in boring MW-2 below approximately 10.5 feet bgs. Soil encountered below approximately 10 to 13 feet bgs appeared to be very moist to saturated, indicating a potentially water-bearing zone. Boring logs with monitoring well construction details are presented in Appendix A.

6.2 SOIL ANALYTICAL RESULTS

The analytical findings of the additional site assessment activities are described below. The soil analytical results are summarized in Tables 1 and 2. A summary of the soil analytical results are also presented on Figure 3. The laboratory reports are provided in Appendix B.

Field Results

Field screening results (visual and olfactory) indicated that soil collected from well borings MW-2 through MW-4 may be impacted by petroleum hydrocarbons.

Laboratory Results

MW-1

MW-1-2.5': Diesel- and lube oil-range hydrocarbons, and VOCs were not detected at or above the laboratory reporting limits. Gasoline-range hydrocarbons (3.98 milligrams per kilogram [mg/kg]) were detected in the soil sample collected from 2.5 feet bgs.

MW-1-12': Diesel-, lube oil-, and gasoline-range hydrocarbons were not detected at or above the laboratory reporting limits in the soil sample collected from 12 feet bgs.

MW-2

MW-2-2.5': Diesel- and lube oil-range hydrocarbons (4,710 mg/kg and 362 mg/kg, respectively); gasoline-range hydrocarbons (1,460 mg/kg); ethylbenzene (0.202 mg/kg); isopropylbenzene (IPB) (2.070 mg/kg); n-propylbenzene (NPB) (7.520 mg/kg); naphthalene (0.577 mg/kg); n-butylbenzene (NBB) (3.570 mg/kg); sec-butylbenzene (SBB) (1.290 mg/kg); Cd (0.175 mg/kg); Cr (13.0 mg/kg); and Pb (19.8 mg/kg) were detected in the soil sample collected from 2.5 feet bgs. The following PAHs were also detected in soil sample MW-2-2.5': acenaphthene (1.160 mg/kg); acenaphthylene (0.330 mg/kg); anthracene (0.680 mg/kg); benzo(a)pyrene (0.00933 mg/kg); benzo(b)fluoranthene (0.0100 mg/kg); benzo(g,h,i)perylene (0.0373 mg/kg); chrysene (0.0333 mg/kg); fluoranthene (0.0867 mg/kg); indeno(1,2,3-cd)pyrene (0.00933 mg/kg); naphthalene (0.667 mg/kg); phenanthrene (5.030 mg/kg); and pyrene (0.330 mg/kg). The difference in naphthalene concentrations is due to separate test methods used for VOC and PAH analyses.

MW-2-10': Diesel-range hydrocarbons (5,020 mg/kg); gasoline-range hydrocarbons (997 mg/kg); benzene (0.0110 mg/kg); ethylbenzene (0.0226 mg/kg); IPB (0.640 mg/kg); NPB (4.340 mg/kg); acetone (0.132 mg/kg); NBB (0.558 mg/kg); SBB (0.103 mg/kg); Cd (0.167 mg/kg); Cr (16.8 mg/kg); and Pb (7.83 mg/kg) were detected in the soil sample collected from 10 feet bgs.

MW-3

MW-3-2.5': Diesel-range hydrocarbons (1,920 mg/kg) and gasoline-range hydrocarbons (513 mg/kg) were detected in the soil sample collected from 2.5 feet bgs.

MW-3-12': Diesel-range hydrocarbons (115 mg/kg) and gasoline-range hydrocarbons (35.8 mg/kg) were detected in the soil sample collected from 12 feet bgs. None of the BTEX constituents were detected at or above the laboratory reporting limits.

MW-4

MW-4-13': Gasoline-range hydrocarbons (6.97 mg/kg) were detected in the soil sample collected from 13 feet bgs. Diesel- and lube oil-range hydrocarbons, as well as BTEX constituents, were not detected at or above the laboratory reporting limits.

MW-4-18': Gasoline-range hydrocarbons (57.2 mg/kg); benzene (0.0143 mg/kg); ethylbenzene (0.0733 mg/kg); 1,2,4-trimethylbenzene (1,2,4-TMB) (0.0141 mg/kg); 1,3,5 TMB (0.0150 mg/kg); IPB (0.0206 mg/kg); NPB (0.0648 mg/kg); acetone (0.0648 mg/kg); and NBB (0.0223 mg/kg) were detected in the soil sample collected from 18 feet bgs. Diesel- and lube oil-range hydrocarbons were not detected at or above the laboratory reporting limits.

MW-5

MW-5-13': Diesel-, lube oil-, and gasoline-range hydrocarbons, as well as BTEX, were not detected at or above the laboratory reporting limits in the soil sample collected from 13 feet bgs.

6.3 GROUNDWATER MONITORING AND SAMPLING RESULTS

Following are the physical and chemical results for the second quarter 2007 groundwater monitoring and sampling activities at the site.

Physical

The depth to water in the monitoring wells, as measured on August 10, 2007, ranged from 9.44 to 10.88 feet below the top of well casings. The groundwater flow direction varied toward the southeast in the northern portion of the site and to the south in the southern portion. The generalized flow direction was interpreted to be to the south-southeast with an average hydraulic gradient of approximately 0.119 feet per foot. The groundwater elevation and flow direction data for the second quarter 2007 monitoring event are shown on Figure 4.

Chemical

MW-1: Diesel-range hydrocarbons (434 micrograms per liter [$\mu\text{g/L}$]) were detected. Lube oil- and gasoline-range hydrocarbons as well as VOCs were not detected at or above the corresponding laboratory reporting limits.

MW-2: Diesel-range hydrocarbons (1,880 $\mu\text{g/L}$); gasoline-range hydrocarbons (2,390 $\mu\text{g/L}$); benzene (190 $\mu\text{g/L}$); toluene (1.89 $\mu\text{g/L}$); ethylbenzene (14.3 $\mu\text{g/L}$); IPB (58.8 $\mu\text{g/L}$); NPB (134

µg/L); naphthalene (1.80 µg/L); chloroethane (1.08 µg/L); NBB (13.4 µg/L); SBB (8.22 µg/L); and dissolved lead (0.83 µg/L) were detected. The following PAHs were also detected: acenaphthene (1.35 µg/L); acenaphthalene (0.191 µg/L); anthracene (0.153 µg/L); fluorene (3.04 µg/L); naphthalene (0.574 µg/L); phenanthrene (1.00 µg/L); and pyrene (0.0478 µg/L).

MW-3: Diesel-range hydrocarbons (337 µg/L); gasoline-range hydrocarbons (336 µg/L); benzene (0.420 µg/L); ethylbenzene (10.1 µg/L); total xylenes (6.30 µg/L); 1,2,4-TMB (10.9 µg/L); 1,3,5-TMB (1.90 µg/L); IPB (1.36 µg/L); NPB (3.27 µg/L); and naphthalene (1.76 µg/L) were detected.

MW-4: Diesel-range hydrocarbons (534 µg/L); gasoline-range hydrocarbons (2,320 µg/L); benzene (137 µg/L); toluene (3.15 µg/L); ethylbenzene (88.3 µg/L); total xylenes (21.50 µg/L); 1,2,4-TMB (3.94 µg/L); 1,3,5-TMB (2.14 µg/L); IPB (19.1 µg/L); NPB (66.2 µg/L); naphthalene (55.6 µg/L); isopropyltoluene (1.17 µg/L); NBB (3.65 µg/L); SBB (3.31 µg/L); and dissolved lead (0.67 µg/L) were detected. The following PAH was also detected: naphthalene (17.8 µg/L).

MW-5: Diesel-range hydrocarbons (247 µg/L) were detected. Lube oil- and gasoline-range hydrocarbons, as well as VOCs were not detected at or above the corresponding laboratory reporting limits.

7.0 REGULATORY CLEANUP LEVELS

This section describes applicable generic and site-specific soil and groundwater target cleanup levels for the subject site.

OREGON RISK-BASED DECISION MAKING LEVELS

In 1999, the Oregon DEQ issued the *Risk-Based Decision Making for the Remediation of Petroleum-Contaminated Sites* guidance document (DEQ, 1999, updated in 2003). This guidance document listed Risk-Based Concentration (RBC) cleanup levels that are based on current and potential future land and water uses at a site. The RBC cleanup levels were most recently revised in September 2009 (DEQ, 2009).

A detailed assessment of potential exposure pathways has not yet been conducted for the site. Although a conceptual site model has not been completed, based on our current knowledge of site conditions, the potentially complete exposure pathways for soil are considered to be: 1) soil ingestion, dermal contact, and inhalation for an excavation worker and construction worker; 2) volatilization to outdoor air (occupational); and 3) vapor intrusion into buildings (occupational). Considering that petroleum hydrocarbon impact to the shallow water-bearing zone beneath the site has been documented in this report, the "Leaching to Groundwater" exposure pathway was not considered applicable.

The exposure pathways considered potentially complete for groundwater include: 1) volatilization to outdoor air (occupational); 2) vapor intrusion into buildings (occupational); and 3) groundwater in an excavation for a construction or excavation worker. A discussion of samples collected exceeding applicable potential exposure pathways follows:

Soil

Gasoline-range hydrocarbons exceeded the vapor intrusion into buildings (occupational) exposure pathway RBC (140 mg/kg) in three soil samples collected during site assessment activities (1,460 mg/kg [MW-2-2.5']; 997 mg/kg [MW-2-10']; and 513 mg/kg [MW-3-2.5']).

Groundwater

None of the groundwater samples collected from monitoring wells MW-1 through MW-5 exceeded any of the above-referenced RBC cleanup levels.

The RBC cleanup levels are listed in DEQ's "Risk-Based Concentrations for Individual Chemicals" (DEQ, 2009) and are summarized in Tables 1 through 4 of this report.

8.0 SUMMARY AND CONCLUSIONS

The site was formerly operated as a bulk petroleum storage and service station facility. Five USTs historically containing gasoline, diesel, and stove oil were decommissioned by in-place abandonment in the 1980s. In 1996, petroleum hydrocarbon-impacted soil was encountered during removal of a used oil UST near the northeast corner of the site building.

Site investigation activities conducted by Kleinfelder in 2003 indicated petroleum hydrocarbon impact to soil and a shallow water-bearing zone beneath the site. The site is currently occupied by commercial businesses.

ECN conducted site assessment activities in July and August 2007, consisting of drilling a total nine five soil borings and completing each as groundwater monitoring wells. Analytical results of the soil samples collected during the site assessment indicated that residual petroleum hydrocarbons were present. It appeared that the highest petroleum hydrocarbon concentrations in soil were near former used oil UST and in the northeast corner of the site.

Based on the analytical results of groundwater samples collected during the second quarter 2007 groundwater monitoring event, it appears that the shallow water-bearing zone beneath the northern and southeastern portions of the site contain elevated petroleum-hydrocarbon concentrations.

Based on a preliminary review of potential exposure pathway RBCs, it appears that a limited amount of soil beneath the site, in the vicinity of the former used oil UST and in the northeast

portion of the site, exceed the most conservative potentially-complete exposure pathway (vapor intrusion into buildings-occupational) for gasoline-range hydrocarbons. None of the groundwater samples collected exceeded the RBC cleanup levels for the potentially-complete exposure pathways applicable for the site.

Groundwater monitoring has been on-going since the initial second quarter 2007 monitoring event. Results of the groundwater sampling performed to date are currently being prepared. Additional investigation of soil and groundwater conditions may be warranted to assess the extent of subsurface petroleum hydrocarbon impact beyond the subject site.

9.0 REFERENCES

Kleinfelder, 2003. Work Plan, Additional Site Assessment and Monitoring Well Installation, Former Cascade Tire, 1705 Lancaster Drive NE, Salem, Oregon, DEQ File No. 24-88-4082. September 25.

Oregon Department of Environmental Quality, 1999 and 2003. Risk-Based Decision Making for the Remediation of Petroleum-Contaminated Sites (OAR 340-122-0205 through 0360). September 29, 1999, updated September 22, 2003.

Oregon Department of Environmental Quality, 2009. www.deq.state.or.us/lq/rbdm.htm.

10.0 LIMITATIONS

Environmental Compliance Northwest, Inc., has performed the work described in this report in accordance with the generally accepted standard of care existing in the State of Oregon at the time of the assessment. Judgments leading to conclusions and recommendations are generally made with an incomplete knowledge of the subsurface and historical conditions applicable to the study area. More extensive studies may be used to supplement the information presented in this report. Environmental Compliance Northwest, Inc., should be notified for additional consultation if Powell Distributing Company wishes to reduce uncertainties beyond the level associated with this assessment. Our assessment of the property also may change, as new data becomes available during additional site exploration, remediation, or development.

Since site activities and regulations beyond our control could change at any time after the completion of this report, our observations, findings, and opinions can be considered valid only as of the date of the report.

No warranty, express or implied is made.



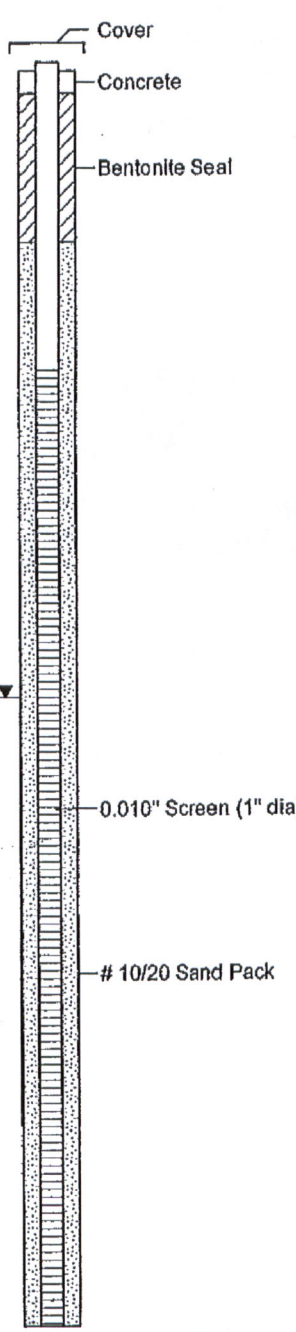
Environmental Compliance Northwest
 PO Box 230163
 Portland, Oregon 97281

LOG OF BORING MW-1

(Page 1 of 1)

Powell Distributing Co.
 1705 Lancaster Drive N.E.
 Salem, Oregon
 Project # 07-303
 Additional Site Assessment

Date Started : 7/12/07
 Date Completed : 7/12/07
 Hole Diameter : 3"
 Drilling Method : Direct-Push
 Sampling Method : Macro-sampler
 Company Rep. :
 Northing Coord. :
 Easting Coord. :
 Survey By :
 Logged By : J. Day

| Depth in Feet | Blow Count | USCS | GRAPHIC | Water Levels | | Samples | REMARKS |
|---------------|------------|------|---|--|--------------------|---------|--|
| | | | | ▼ During Drilling | ▽ After Completion | | |
| DESCRIPTION | | | | | | | |
| 0 | | |  | Concrete | | | Well: MW-1 Elev.: |
| | | |  | Asphalt | | | |
| | | | | Silt: Dark olive to grayish brown, soft to medium firm, clayey in places, indistinct odor. | | 1 |  |
| 5 | | | | less clay below 7 feet | | | |
| 10 | | ML | | Appears saturated below 10 feet | | 2 | |
| 15 | | | | Increasingly firm, occasionally grades to silty fine sand below 15 feet | | | |
| 20 | | | | Boring terminated at 20 feet | | | |

05-20-2010 C:\Users\John\Documents\Projects\Powell Dist\Salem\MW\Install\Boring Logs\MW-1.bor

Environmental Compliance Northwest
 PO Box 230163
 Portland, Oregon 97281

LOG OF BORING MW-2

(Page 1 of 1)

Powell Distributing Co.
 1705 Lancaster Drive N.E.
 Salem, Oregon

Date Started : 7/12/07
 Date Completed : 7/12/07
 Hole Diameter : 3"
 Drilling Method : Direct-Push
 Sampling Method : Macro-sampler

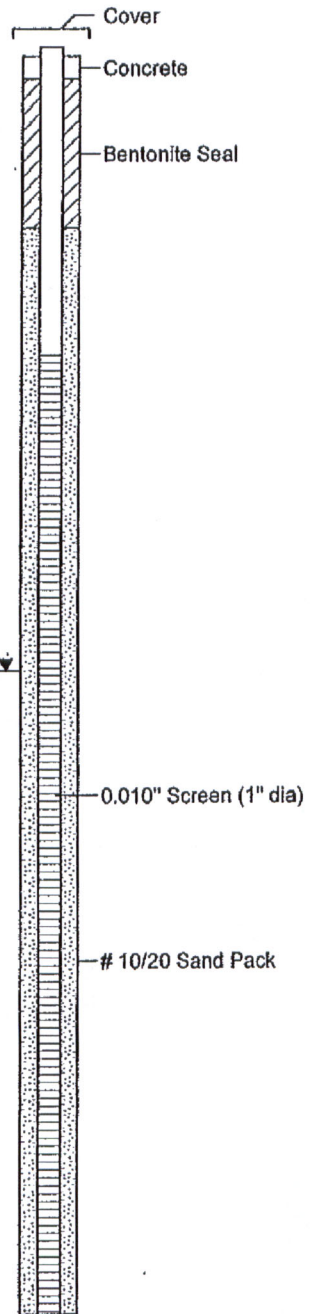
Company Rep. :
 Northing Coord. :
 Easting Coord. :
 Survey By :
 Logged By : J. Day

Project # 07-303

Additional Site Assessment

| Depth in Feet | Blow Count | USCS | GRAPHIC | Water Levels | | Samples | REMARKS |
|---------------|------------|------|---------|--|--------------------|---------|---------|
| | | | | ▼ During Drilling | ▽ After Completion | | |
| DESCRIPTION | | | | | | | |
| 0 | | | | Concrete | | | |
| | | SW | | Gravelly Sand (fill) | | | |
| | | | | Silt: gray, moist, some fine sand, soft, occasional gravel up to 1", petroleum odor. | | 1 | |
| 5 | | ML | | | | | |
| | | | | A very moist gravelly sand layer at 9 feet | | | |
| 10 | | | | | | 2 | |
| | | | | Silty Sand: dark gray, moist to wet, very fine to fine sand, occasional rounded gravel up to 1/2", loose to medium dense with increased silt, weak petroleum odor. | | | |
| 15 | | SM | | | | | |
| 20 | | | | Boring terminated at 20 feet | | | |

Well: MW-2
 Elev.:



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Environmental Compliance Northwest
 PO Box 230163
 Portland, Oregon 97281

LOG OF BORING MW-3

(Page 1 of 1)

Powell Distributing Co.
 1705 Lancaster Drive N.E.
 Salem, Oregon

Date Started : 7/12/07
 Date Completed : 7/12/07
 Hole Diameter : 3"
 Drilling Method : Direct-Push
 Sampling Method : Macro-sampler

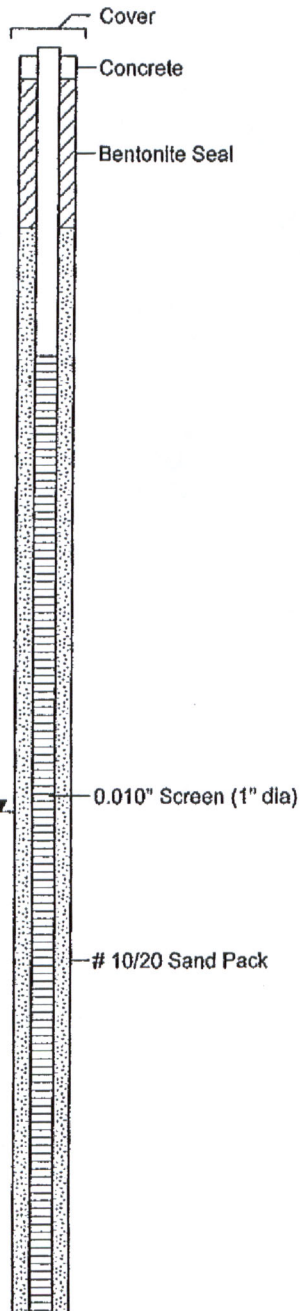
Company Rep. :
 Northing Coord. :
 Easting Coord. :
 Survey By :
 Logged By : J. Day

Project # 07-303

Additional Site Assessment

| Depth in Feet | Blow Count | USCS | GRAPHIC | Water Levels | | Samples | REMARKS |
|---------------|------------|------|---------|---|--------------------|---------|---------|
| | | | | ▼ During Drilling | ▽ After Completion | | |
| DESCRIPTION | | | | | | | |
| 0 | | | | Concrete/Gravel Fill | | | |
| | | | | Silt: dark olive brown, moist, soft to medium firm, some fine to coarse sand, occasional rounded gravel, weak petroleum odor. | | 1 | |
| 5 | | | | Increasingly firm, indistinct no odor below 8 feet | | | |
| 10 | | ML | | | | | |
| 15 | | | | Occasionally grades to silty fine sand | | 2 | |
| 20 | | | | Boring terminated at 20 feet | | | |

Well: MW-3
 Elev.:



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Environmental Compliance Northwest
 PO Box 230163
 Portland, Oregon 97281

LOG OF BORING MW-4



(Page 1 of 1)

Powell Distributing Co.
 1705 Lancaster Drive N.E.
 Salem, Oregon

Date Started : 7/13/07
 Date Completed : 7/13/07
 Hole Diameter : 3"
 Drilling Method : Direct-Push
 Sampling Method : Macro-sampler

Company Rep. :
 Northing Coord. :
 Easting Coord. :
 Survey By :
 Logged By : J. Day

Project # 07-303
 Additional Site Assessment

| Depth in Feet | Blow Count | USCS | GRAPHIC | Water Levels | | Samples | REMARKS |
|---------------|------------|------|---|---|--------------------|---------|---|
| | | | | ▼ During Drilling | ▽ After Completion | | |
| DESCRIPTION | | | | | | | |
| 0 | | SW |  | Silty/Gravelly Sand (fill) | | | Well: MW-4 Elev.: Cover Concrete Bentonite Seal |
| | | |  | Silt: grayish brown to olive brown, moist, soft to medium firm, some very fine sand, occasional fine to 1" rounded gravel, no petroleum odor. | | | |
| 5 | | | | | | | |
| 10 | | | | | | | |
| 15 | | ML | | | | 1 | |
| | | | | Very moist to saturated below 17 feet, weak petroleum odor | | | |
| 20 | | | | Occasional silty sand layers | | 2 | |
| 25 | | | | Boring terminated at 25 feet | | | 0.010" Screen (1" dia) # 10/20 Sand Pack |

05-20-2010 C:\Users\John\Documents\Projects\Powell Dist\Salem\MWinstall\Boring_Logs\MW-4.bor

Environmental Compliance Northwest
 PO Box 230163
 Portland, Oregon 97281

LOG OF BORING MW-5

(Page 1 of 1)

Powell Distributing Co.
 1705 Lancaster Drive N.E.
 Salem, Oregon

Date Started : 7/13/07
 Date Completed : 7/13/07
 Hole Diameter : 3"
 Drilling Method : Direct-Push
 Sampling Method : Macro-sampler


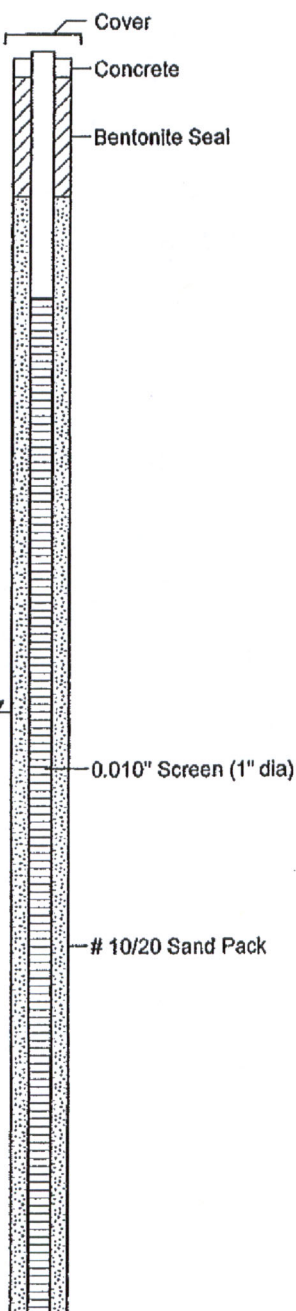



Company Rep. :
 Northing Coord. :
 Easting Coord. :
 Survey By :
 Logged By : J. Day

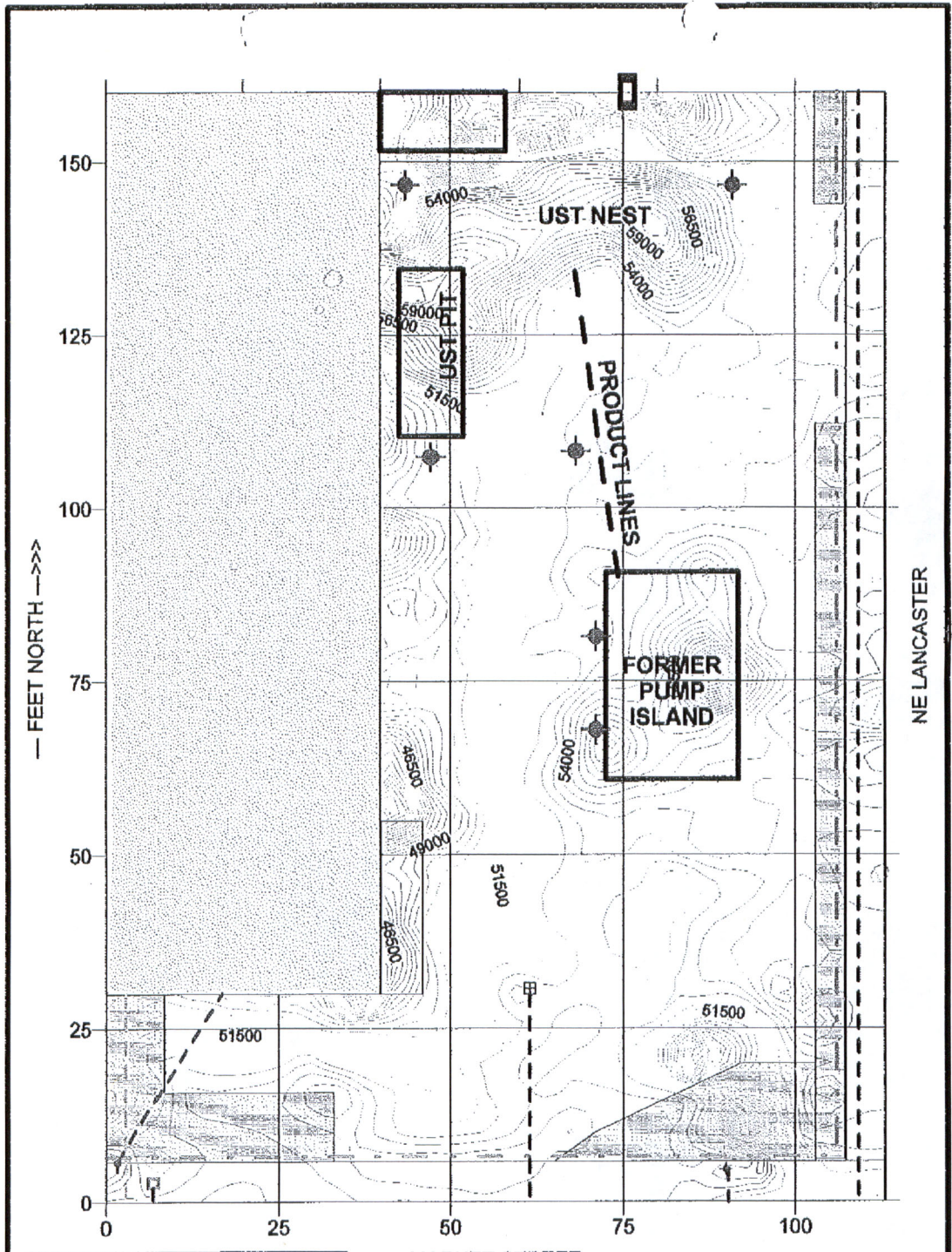
Project # 07-303

Additional Site Assessment

Water Levels

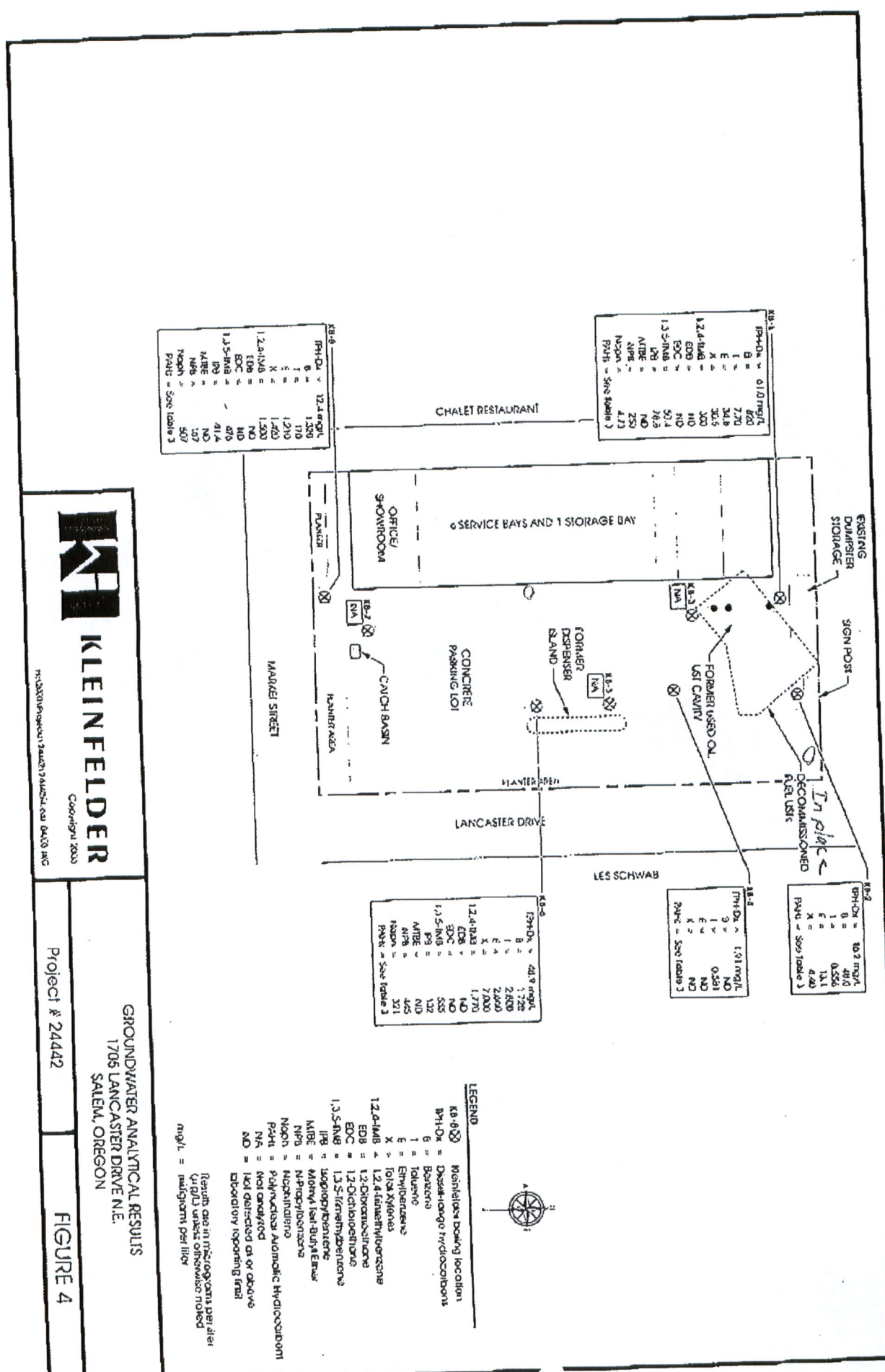
- ▼ During Drilling
- ▽ After Completion

| Depth in Feet | Blow Count | USCS | GRAPHIC | Water Levels | | Samples | REMARKS |
|---------------|------------|------|---|--|--|---------|---|
| | | | | DESCRIPTION | | | |
| 0 | | SW |  | Silty/Gravelly Sand (fill) | | |  <p>Well: MW-5 Elev.:</p> <p>Cover</p> <p>Concrete</p> <p>Bentonite Seal</p> <p>0.010" Screen (1" dia)</p> <p># 10/20 Sand Pack</p> |
| 0 - 13 | | |  | Silt: brownish gray to gray-brown, moist, medium firm, some very fine to fine sand, occasional gravel up to 3/4", no petroleum odor. | | | |
| 13 - 25 | | ML |  | Grades to predominantly sandy silt below 13 feet, saturated where more sandy | | 1 | |
| 23 - 25 | | |  | Color change to olive gray below 23 feet | | | |
| 25 | | | | Boring terminated at 25 feet | | | |



| LEGEND | |
|----------------------------------|------------------------------|
| POWER/ELECTRIC CABLE | METER/VULT POLE |
| NATURAL GAS | METER/VULT VALVE |
| COMMUNICATION | VAULT/PEDESTAL POLE |
| WATER | METER/VULT VALVE HYDRANT |
| SEWER | MANHOLE CATCH BASIN CLEANOUT |
| PRODUCTIVITY | UST FILL PORT |
| PROPOSED BORE HOLE | MAGNETIC ANOMALY MA1 |
| UTILITY LINE OF UNKNOWN FUNCTION | |
| SKIN | UST PIT |

| | | |
|---------------------|---|--|
| | ENVIRONMENTAL & EXPLORATION GEOPHYSICS 437 N.E. LIBERTY AVE. GRESHAM, OR 97030 • PH (503) 645-7590 • FAX (503) 652-4441 E-MAIL: GeoPotential@aol.com | |
| | DATE: January 8, 2003 LOCATION: FORMER GOODYEAR GARAGE, Market & Lancaster, Salem, Oregon | SUBSURFACE MAPPING SURVEY PROJECT NO.: 4293 |
| CLIENT: KLEINFELDER | | |



K8-1

| | |
|--------------------|-----------|
| TPH-Dx | 0.10 mg/L |
| B | 7.70 |
| E | 34.8 |
| 1,2,4-IMB | ND |
| EDB | ND |
| EDC | ND |
| 1,3-5-IMB | ND |
| IPB | ND |
| ATBE | 251 |
| ATPB | 2.71 |
| Nonp | ND |
| PAHs - See Table 3 | |

K8-6

| | |
|--------------------|-----------|
| TPH-Dx | 12.4 mg/L |
| B | 1.70 |
| E | 1.210 |
| 1,2,4-IMB | X |
| EDB | 1.503 |
| EDC | ND |
| 1,3-5-IMB | ND |
| IPB | 41.4 |
| ATBE | ND |
| ATPB | 3.27 |
| Nonp | 507 |
| PAHs - See Table 3 | |

K8-2

| | |
|--------------------|-----------|
| TPH-Dx | 10.2 mg/L |
| B | 48.0 |
| E | 0.556 |
| 1,2,4-IMB | 1.11 |
| EDB | 4.43 |
| EDC | ND |
| 1,3-5-IMB | ND |
| IPB | ND |
| ATBE | ND |
| ATPB | ND |
| Nonp | ND |
| PAHs - See Table 3 | |

K8-3

| | |
|--------------------|-----------|
| TPH-Dx | 1.91 mg/L |
| B | ND |
| E | 0.581 |
| 1,2,4-IMB | ND |
| EDB | ND |
| EDC | ND |
| 1,3-5-IMB | ND |
| IPB | ND |
| ATBE | ND |
| ATPB | ND |
| Nonp | ND |
| PAHs - See Table 3 | |

K8-5

| | |
|--------------------|-----------|
| TPH-Dx | 41.9 mg/L |
| B | 1.728 |
| E | 2.609 |
| 1,2,4-IMB | 6.4 |
| EDB | 2.640 |
| EDC | 7.000 |
| 1,3-5-IMB | 1.770 |
| IPB | 1.40 |
| ATBE | ND |
| ATPB | ND |
| Nonp | 4.45 |
| PAHs | 2.1 |
| PAHs - See Table 3 | |

LEGEND

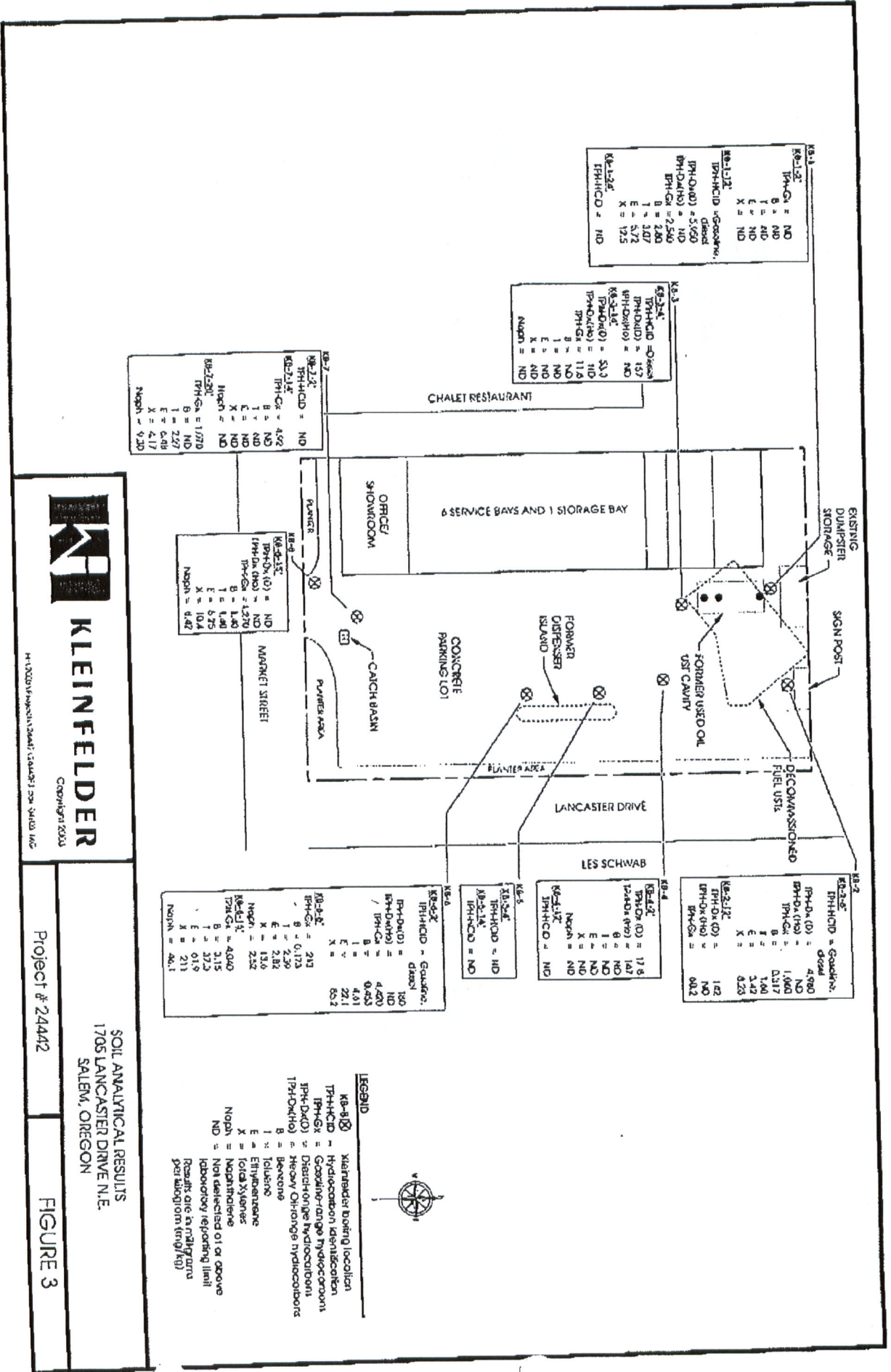
- ⊗ = Methlabex boating location
 - ⊗ = Diesel-leakage hydrocarbons
 - ⊗ = Benzene
 - ⊗ = Toluene
 - ⊗ = Ethylbenzene
 - ⊗ = Toluene
 - X = Total Xylenes
 - 1,2,4-IMB = 1,2,4-trimethylbenzene
 - EDB = 1,2-Dibromochloroethane
 - EDC = 1,2-Dichloroethane
 - 1,3-5-IMB = 1,3,5-trimethylbenzene
 - IPB = Isopropylbenzene
 - ATBE = Methyl tert-butyl ether
 - ATPB = Methyl tert-butyl methyl ether
 - Nonp = Nonpetroleum
 - PAHs = Polynuclear Aromatic Hydrocarbons
 - NA = Not analyzed
 - ND = Not detected as of above
 - ⊗ = Laboratory reporting limit
- mg/L = milligram per liter
- Results are in micrograms per liter or g/L unless otherwise noted

KLEINFELDER
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 11000 Parkway, Suite 1000, Dallas, TX 75244

GROUNDWATER ANALYTICAL RESULTS
 1705 LANCASTER DRIVE N.E.
 SALEM, OREGON

Project # 24442

FIGURE 4



KLEINFELDER
CORPORATION 2003

41-000014 Project 24442, Sample 200, 3/18/03, 1/03

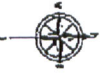
Project # 24442

SOIL ANALYTICAL RESULTS
1705 LANCASTER DRIVE N.E.
SALEM, OREGON

FIGURE 3

LEGEND

- KB-8-X Watermeter boring location
- TPH-HCD = Hydrocarbon Identification
- TPH-GX = Gasoline-range hydrocarbons
- TPH-D(G) = Diesel-range hydrocarbons
- TPH-D(H) = Heavy Oil-range hydrocarbons
- B = Benzene
- T = Toluene
- E = Ethylbenzene
- X = Total Xylenes
- Naph = Naphthalene
- ND = Not detected at or above laboratory reporting limit
- Results are in milligrams per kilogram (mg/kg)



| KB-2.2E | KB-2.2C | KB-2.2B | KB-2.2A |
|----------------------------|-----------------|-----------------|-----------------|
| TPH-HCD = Gasoline, diesel | TPH-HCD = ND | TPH-HCD = ND | TPH-HCD = ND |
| TPH-D(G) = 150 | TPH-D(G) = ND | TPH-D(G) = ND | TPH-D(G) = ND |
| TPH-D(H) = ND | TPH-D(H) = ND | TPH-D(H) = ND | TPH-D(H) = ND |
| TPH-GX = 4,420 | TPH-GX = 0,453 | TPH-GX = 4,31 | TPH-GX = 5,2 |
| B = 1 | T = 1 | E = 1 | X = 1 |
| Naph = 213 | Naph = 0,173 | Naph = 2,39 | Naph = 1,36 |
| TPH-D(G) = 213 | TPH-D(G) = 2,39 | TPH-D(G) = 1,36 | TPH-D(G) = 2,32 |
| TPH-D(H) = ND | TPH-D(H) = ND | TPH-D(H) = ND | TPH-D(H) = ND |
| TPH-GX = 4,420 | TPH-GX = 2,15 | TPH-GX = 1,72 | TPH-GX = 0,19 |
| B = 1 | T = 1 | E = 1 | X = 1 |
| Naph = 213 | Naph = 2,13 | Naph = 2,13 | Naph = 2,13 |

| KB-3.1E | KB-3.1C | KB-3.1B | KB-3.1A |
|-----------------|-----------------|---------------|---------------|
| TPH-HCD = ND | TPH-HCD = ND | TPH-HCD = ND | TPH-HCD = ND |
| TPH-D(G) = 11,8 | TPH-D(G) = 1,67 | TPH-D(G) = ND | TPH-D(G) = ND |
| TPH-D(H) = ND | TPH-D(H) = ND | TPH-D(H) = ND | TPH-D(H) = ND |
| TPH-GX = 1,67 | TPH-GX = 1,67 | TPH-GX = ND | TPH-GX = ND |
| B = 1 | T = 1 | E = 1 | X = 1 |
| Naph = ND | Naph = ND | Naph = ND | Naph = ND |

| KB-3.2E | KB-3.2C | KB-3.2B | KB-3.2A |
|----------------------------|----------------|---------------|---------------|
| TPH-HCD = Gasoline, diesel | TPH-HCD = ND | TPH-HCD = ND | TPH-HCD = ND |
| TPH-D(G) = 4,980 | TPH-D(G) = ND | TPH-D(G) = ND | TPH-D(G) = ND |
| TPH-D(H) = 1,060 | TPH-D(H) = ND | TPH-D(H) = ND | TPH-D(H) = ND |
| TPH-GX = 1,060 | TPH-GX = 1,060 | TPH-GX = ND | TPH-GX = ND |
| B = 1 | T = 1 | E = 1 | X = 1 |
| Naph = 1,060 | Naph = 1,060 | Naph = ND | Naph = ND |
| TPH-D(G) = 1,02 | TPH-D(G) = ND | TPH-D(G) = ND | TPH-D(G) = ND |
| TPH-D(H) = 1,02 | TPH-D(H) = ND | TPH-D(H) = ND | TPH-D(H) = ND |
| TPH-GX = 1,02 | TPH-GX = ND | TPH-GX = ND | TPH-GX = ND |
| B = 1 | T = 1 | E = 1 | X = 1 |
| Naph = 1,02 | Naph = ND | Naph = ND | Naph = ND |

| KB-1.2E | KB-1.2C | KB-1.2B | KB-1.2A |
|---------------|---------------|---------------|---------------|
| TPH-HCD = ND | TPH-HCD = ND | TPH-HCD = ND | TPH-HCD = ND |
| TPH-D(G) = ND | TPH-D(G) = ND | TPH-D(G) = ND | TPH-D(G) = ND |
| TPH-D(H) = ND | TPH-D(H) = ND | TPH-D(H) = ND | TPH-D(H) = ND |
| TPH-GX = ND | TPH-GX = ND | TPH-GX = ND | TPH-GX = ND |
| B = ND | T = ND | E = ND | X = ND |
| Naph = ND | Naph = ND | Naph = ND | Naph = ND |

TABLE 2
 GROUNDWATER ANALYTICAL RESULTS-TPH and VOCs
 FORMER GODFREY TIRE STORE
 1705 LANCASTER DRIVE NE
 SALEM, OREGON
 DEQ File No. 2489-4082

150 R
 220 EW
 1200 0

| Sample Number | Sample Date | TPH-DX [1] | | Benzene [2] (µg/L) | Toluene [2] (µg/L) | Ethylbenzene [2] (µg/L) | Total Xylenes [2] (µg/L) | 1,2,4-Trimethylbenzene [3] (µg/L) | 1,2-Dibromoethane [3] (µg/L) | 1,2-Dichloroethane [3] (µg/L) | 1,3,5-Trimethylbenzene [3] (µg/L) | Isopropylbenzene [3] (µg/L) | Methyl tert-butyl ether [3] (µg/L) | n-Propylbenzene [3] (µg/L) | Naphthalene [3] (µg/L) |
|---------------|-------------|---------------|-----------------|--------------------|--------------------|-------------------------|--------------------------|-----------------------------------|------------------------------|-------------------------------|-----------------------------------|-----------------------------|------------------------------------|----------------------------|------------------------|
| | | Diesel (mg/L) | Lube Oil (mg/L) | | | | | | | | | | | | |
| KB-1 | 1/10/03 | 61.0 | ND<0.500 | 820 | 7.70 | 34.8 | 30.5 | 300 | ND<1.00 | ND<1.00 | 50.4 | 79.8 | ND<1.00 | 253 | 4.73 |
| KB-2 | 1/10/03 | 16.2 | ND<0.500 | 48.0 | 0.556 | 13.1 | 4.40 | - | - | - | - | - | - | - | - |
| KB-4 | 1/10/03 | 1.91 | ND<0.510 | ND<0.400 | 0.581 | ND<0.500 | ND<1.50 | - | - | - | - | - | - | - | - |
| KB-6 | 1/10/03 | 48.9 | ND<0.833 | 1.720 | 2.800 | 2.650 | 7.000 | 1.770 | ND<1.00 | ND<50.0 | 556 | 132 | ND<50.0 | 445 | 321 |
| KB-9 | 1/10/03 | 12.4 | ND<0.505 | 1.320 | 1.70 | 1.210 | 1.420 | 1.500 | ND<20.0 | ND<50.0 | 478 | 41.4 | ND<50.0 | 167 | 507 |

1. Method: Total Petroleum Hydrocarbon-Dicom Range (HNTPH-DX)
 2. SV/ML/DB
 3. SV/ML/DB
- mg/L
 not detected at or above laboratory reporting limit
 not analyzed

EW
 240

TABLE 3
GROUNDWATER ANALYTICAL RESULTS-PANS
FORNER GOODYEAR TIRE STORE
1705 LANCASTER DRIVE NE
SALEM, OREGON
DEQ File No. 24-80-4102

41.24
088
240

| Sample Number | Sample Date | Polynuclear Aromatic Hydrocarbons (PAHs) [11 (ppb)] | | | | | | | | | | | | | | | |
|---------------|-------------|---|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-----------|------------------------|--------------|-----------|------------------------|-------------|--------------|-----------|
| | | Acenaphthene | Acenaphthylene | Anthracene | Benzo(a)anthracene | Benzo(a)pyrene | Benzo(b)fluoranthene | Benzo(b,h,i)perylene | Benzo(k)fluoranthene | Chrysene | Dibenzo(a,h)anthracene | Fluoranthene | Fluorene | Indeno(1,2,3-cd)pyrene | Naphthalene | Phenanthrene | Pyrene |
| KB-1 | 1/10/03 | 40.0 | 14.8 | 29.5 | 1.97 | 0.278 | 0.256 | 0.311 | ND<0.0556 | 1.36 | ND<0.0526 | 4.18 | 366 | 0.100 | 34.8 | 301 | 23.3 |
| KB-2 | 1/10/03 | 1.38 | 0.397 | 0.431 | ND<0.0862 | ND<0.0862 | ND<0.0862 | ND<0.0862 | ND<0.0862 | ND<0.0962 | ND<0.0862 | 1.74 | ND<0.0862 | 11.5 | 4.98 | 0.155 | |
| KB-4 | 1/10/03 | ND<0.0625 | ND<0.0625 | ND<0.0625 | ND<0.0625 | ND<0.0625 | ND<0.0625 | ND<0.0625 | ND<0.0625 | ND<0.0625 | ND<0.0625 | ND<0.0625 | ND<0.0625 | ND<0.0625 | 0.0750 | ND<0.0625 | ND<0.0625 |
| KB-6 | 1/10/03 | 5.82 | 2.11 | 2.23 | 0.499 | 0.121 | 0.121 | 0.167 | ND<0.0758 | 0.384 | ND<0.0750 | 0.833 | 10.1 | ND<0.0753 | 1.200 | 13.6 | 2.05 |
| KB-8 | 1/10/03 | 1.70 | 0.940 | 0.512 | 0.143 | ND<0.595 | ND<0.595 | 0.0952 | ND<0.595 | 0.131 | ND<0.595 | 0.333 | 3.55 | ND<0.595 | 1.410 | 3.02 | 0.921 |

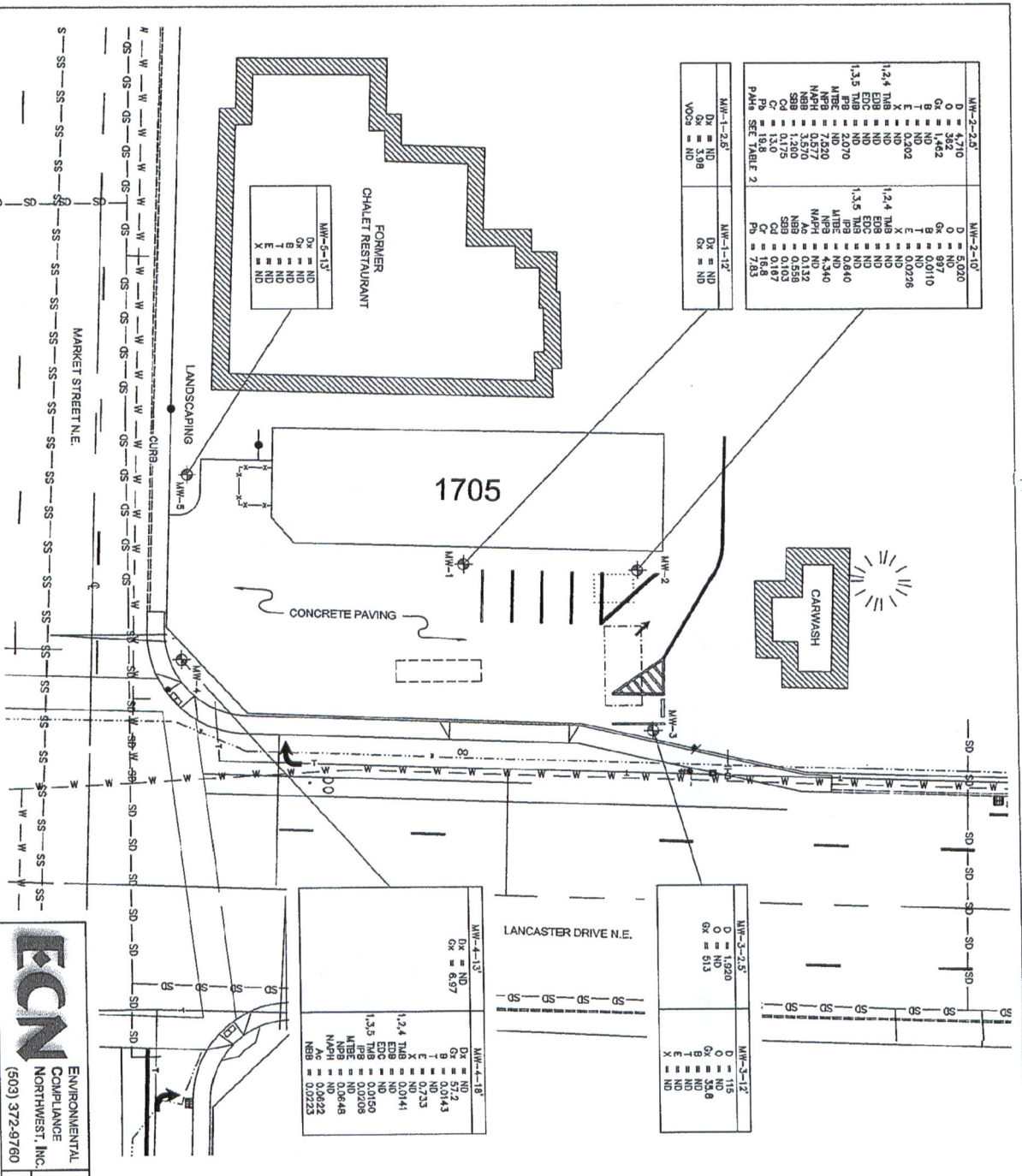
1. 22/3/2011
19.1. micrograms per liter

TABLE 1
 SOIL ANALYTICAL RESULTS - TPH, BTEX, AND NAPHTHALENE
 FORMER GOODYEAR TIRE STORE
 1705 LANCASTER DRIVE NE
 SALEM, OREGON
 DEQ File No. 24-88-4082

| Sample Number | Depth (feet/bags) | Sample Date | TPH-HCID (1) (mg/kg) | TPH-Dx (2) | | TPH-Gx (3) (mg/kg) | Benzene (4) (mg/kg) | Toluene (4) (mg/kg) | Ethylbenzene (4) (mg/kg) | Total Xylenes (4) (mg/kg) | Naphthalene (4) (mg/kg) |
|---------------|-------------------|-------------|----------------------|----------------|-------------------|--------------------|---------------------|---------------------|--------------------------|---------------------------|-------------------------|
| | | | | Diesel (mg/kg) | Heavy Oil (mg/kg) | | | | | | |
| KB-1-2' | 2 | 1/10/03 | — | — | — | ND<3.14 | ND<0.0314 | ND<0.126 | ND<0.126 | ND<0.377 | ND<0.628 |
| KB-1-12' | 12 | 1/10/03 | gasoline, diesel | 5,950 | ND<326 | 2,540 | 2.80 | 3.07 | 5.72 | 12.5 | — |
| KB-1-24' | 24 | 1/10/03 | ND | — | — | — | — | — | — | — | — |
| KB-2-6' | 6 | 1/10/03 | gasoline, diesel | 4,990 | ND<329 | 1,060 | 0.317 | 1.60 | 3.42 | 8.28 | — |
| KB-2-12' | 12 | 1/10/03 | — | 142 | ND<66.0 | 60.2 | — | — | — | — | — |
| KB-3-4' | 4 | 1/10/03 | diesel | 157 | ND<66.9 | — | — | — | — | — | — |
| KB-3-14' | 14 | 1/10/03 | — | 53.3 | ND<68.7 | 11.8 | ND<0.0343 | ND<0.137 | ND<0.137 | ND<0.412 | ND<0.687 |
| KB-4-2' | 2 | 1/10/03 | — | 17.3 | 147 | ND<2.78 | ND<0.0278 | ND<0.111 | ND<0.111 | ND<0.334 | ND<0.557 |
| KB-4-12' | 12 | 1/10/03 | ND | — | — | — | — | — | — | — | — |
| KB-5-4' | 4 | 1/10/03 | ND | — | — | — | — | — | — | — | — |
| KB-5-14' | 14 | 1/10/03 | ND | — | — | — | — | — | — | — | — |
| KB-6-2' | 2 | 1/10/03 | gasoline, diesel | 180 | ND<82.2 | 4.420 | 0.453 | 4.61 | 22.1 | 85.2 | — |
| KB-6-8' | 8 | 1/10/03 | — | — | — | 213 | 0.173 | 2.29 | 2.82 | 13.6 | 2.52 |
| KB-6-15' | 15 | 1/10/03 | — | — | — | 4,040 | 3.15 | 37.3 | 61.9 | 211 | 46.1 |
| KB-7-2' | 2 | 1/10/03 | ND | — | — | — | — | — | — | — | — |
| KB-7-14' | 14 | 1/10/03 | — | — | — | 4.92 | ND<0.0338 | ND<0.135 | ND<0.135 | ND<0.405 | ND<0.576 |
| KB-7-20' | 20 | 1/10/03 | — | — | — | 1,070 | ND<0.0678 | 2.27 | 6.48 | 4.17 | 9.30 |
| KB-8-15' | 15 | 1/10/03 | — | ND<21.7 | ND<72.4 | 1,270 | 1.40 | 1.40 | 8.25 | 10.4 | 8.42 |

1. Nonhexes: Test Method: Total Petroleum Hydrocarbon Hydrocarbon Identification (NMMPH-HCID)
 2. Nonhexes: Test Method: Total Petroleum Hydrocarbon-Diesel Range (NMTPH-Dx)
 3. Nonhexes: Test Method: Total Petroleum Hydrocarbon-Gasoline Range (NMTPH-Gx)
 4. SV 90218
- bags below the ground surface
 mg/kg kilograms per kilogram

24 R
 270 O
 10000 EW



| MW-2-2.0' | | MW-2-10' | |
|-----------|--------|-----------|--------|
| D | 4.710 | D | 5.020 |
| O | 3.422 | O | 3.910 |
| G | ND | G | 897 |
| B | ND | B | 0.0110 |
| T | ND | T | ND |
| X | 0.0202 | X | 0.0208 |
| 1,2,4 TMB | ND | 1,2,4 TMB | ND |
| EDB | ND | EDB | ND |
| EDC | ND | EDC | ND |
| 1,3,5 TMB | ND | 1,3,5 TMB | ND |
| IPB | 2.070 | IPB | 0.640 |
| MTBE | ND | MTBE | ND |
| NPB | 0.220 | NPB | 0.340 |
| NAPH | ND | NAPH | ND |
| Ac | ND | Ac | 0.132 |
| NBB | 3.570 | NBB | 0.559 |
| SBB | 1.280 | SBB | 0.103 |
| Cd | 0.175 | Cd | 0.103 |
| Cr | 15.8 | Cr | 15.8 |
| Pb | 15.8 | Pb | 7.83 |

| MW-1-2.5' | | MW-1-12' | |
|-----------|------|----------|----|
| D | ND | D | ND |
| O | 3.98 | O | ND |
| VOCS | ND | VOCS | ND |

| MW-3-2.5' | | MW-3-12' | |
|-----------|-------|----------|------|
| D | 1.620 | D | ND |
| O | 513 | O | 35.8 |
| G | ND | G | ND |
| B | ND | B | ND |
| T | ND | T | ND |
| X | ND | X | ND |

| MW-4-1.3' | | MW-4-18' | |
|-----------|------|-----------|--------|
| D | ND | D | 0.72 |
| O | 6.97 | O | 0.743 |
| G | ND | G | 0.733 |
| B | ND | B | 0.141 |
| T | ND | T | 0.0109 |
| X | ND | X | 0.0305 |
| 1,2,4 TMB | ND | 1,2,4 TMB | 0.0848 |
| EDB | ND | EDB | ND |
| EDC | ND | EDC | 0.0225 |
| 1,3,5 TMB | ND | 1,3,5 TMB | ND |
| IPB | ND | IPB | ND |
| MTBE | ND | MTBE | ND |
| NPB | ND | NPB | ND |
| NAPH | ND | NAPH | ND |
| Ac | ND | Ac | ND |
| NBB | ND | NBB | ND |
| SBB | ND | SBB | ND |
| Cd | ND | Cd | ND |
| Cr | ND | Cr | ND |
| Pb | ND | Pb | ND |
| Dx | ND | Dx | ND |
| D | ND | D | ND |
| O | ND | O | ND |
| Gx | ND | Gx | ND |
| PAHs | ND | PAHs | ND |
| ND | ND | ND | ND |

- LEGEND**
- Monitoring Well Location
 - Underground Storage Tank
 - Approximate Former Used Oil UST Location
 - Approximate Former Fuel Dispenser
 - Approximate Abandoned UST Location
 - Island Location
 - Volatile Organic Compounds
 - Risk-based Decision Making
 - Volatile Organic Compounds
 - 1,2,4 Trimethylbenzene
 - Ethylene Dichloride
 - Ethylene Dibromide
 - 1,3,5 Trimethylbenzene
 - Isopropylbenzene
 - Benzene
 - Toluene
 - Ethylbenzene
 - Total Xylenes
 - Methyl Tertiary Butyl Ether
 - N-Propylbenzene
 - Naphthalene
 - Acetone
 - N-Butylbenzene
 - Sec-Butylbenzene
 - Cadmium
 - Chromium
 - Lead
 - Diesel- and Lubricant-Range Hydrocarbons
 - Diesel-range Hydrocarbons
 - Lube Oil-range Hydrocarbons
 - Lube Oil-range Hydrocarbons
 - Gasoline-range Hydrocarbons
 - Polynuclear Aromatic Hydrocarbons
 - Not detected at or above the laboratory reporting limit

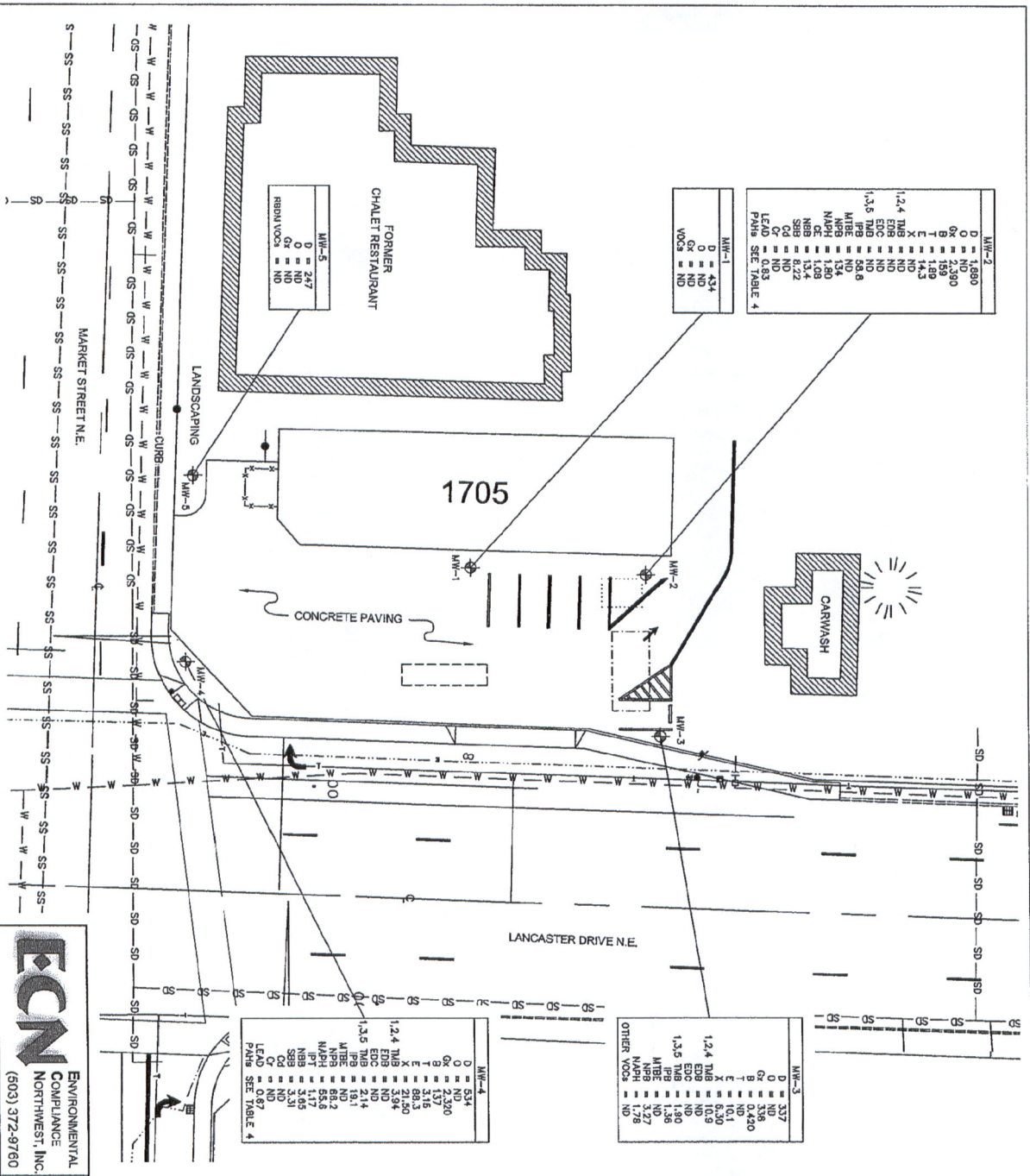
ECN
 ENVIRONMENTAL COMPLIANCE
 NORTHWEST, INC.
 (503) 372-9760

SOIL ANALYTICAL RESULTS MAP
 1705 Lancaster Drive NE
 Salem, OR

Project No. 065-110

FIGURE 3





ECN ENVIRONMENTAL COMPLIANCE NORTHWEST, INC.
 (503) 372-9760

GROUNDWATER ANALYTICAL RESULTS MAP
 1705 Lancaster Drive NE
 Salem, OR
 Project No. 05-110
 FIGURE 5



LEGEND

- Monitoring Well Location
- Underground Storage Tank
- Approximate Former Used Oil UST Location
- Approximate Abandoned UST Location
- Approximate Former Fuel Dispenser Island Location
- Volatile Organic Compounds
- Risk-based Decision Making
- Other Organic Compounds

1,2,4 TMB

EDB

EDC

1,3,5 TMB

IPB

B

T

E

X

MTBE

NPB

NAP-H

CE

IPB

NBB

SBB

Cr

LEAD

Dx

D

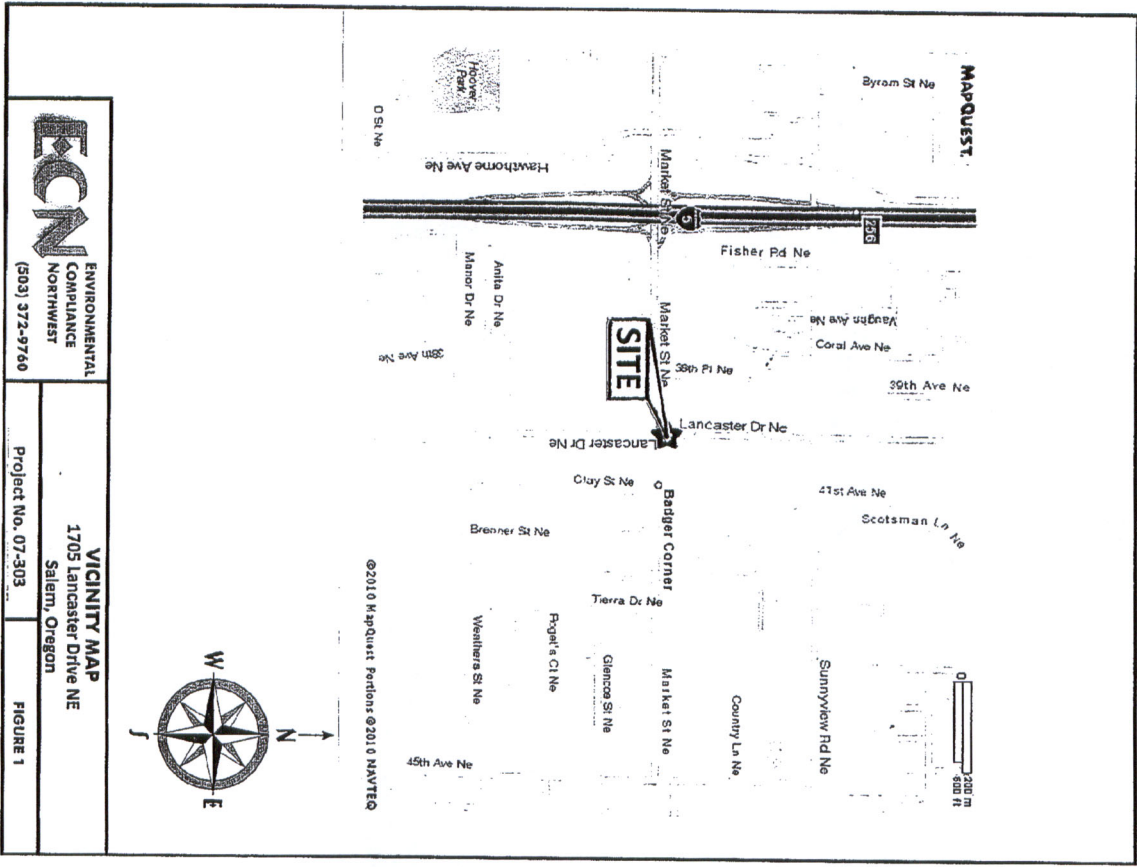
O

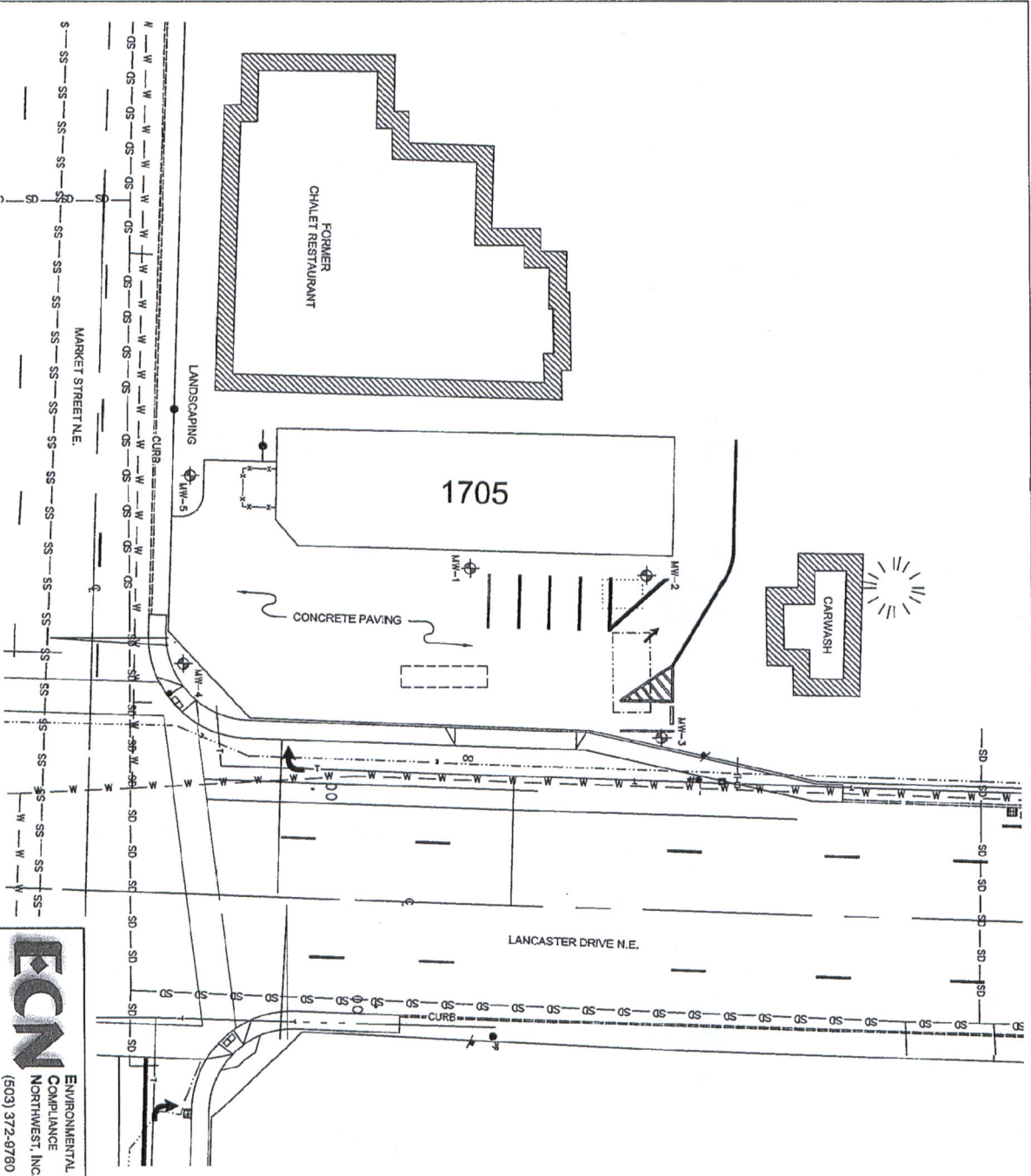
Gx

PAHs

ND

Results are in micrograms per liter (µg/L).





LEGEND

- Monitoring Well Location
- Underground Storage Tank
- Approximate Former Used Oil UST Location
- Approximate Former Fuel Dispenser Island Location

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 ENVIRONMENTAL COMPLIANCE NORTHWEST, INC.
 (503) 372-9760

SITE PLAN
 1705 Lancaster Drive NE
 Salem, OR

Project No. 05-110

FIGURE 2



TABLE 1 - Continued
 Groundwater Analytical Results - TPH-Dx, TPH-G, VOCs, and Dissolved Lead
 1705 Lancaster Drive NE
 Salem, Oregon
 ECN Project No. 07-303

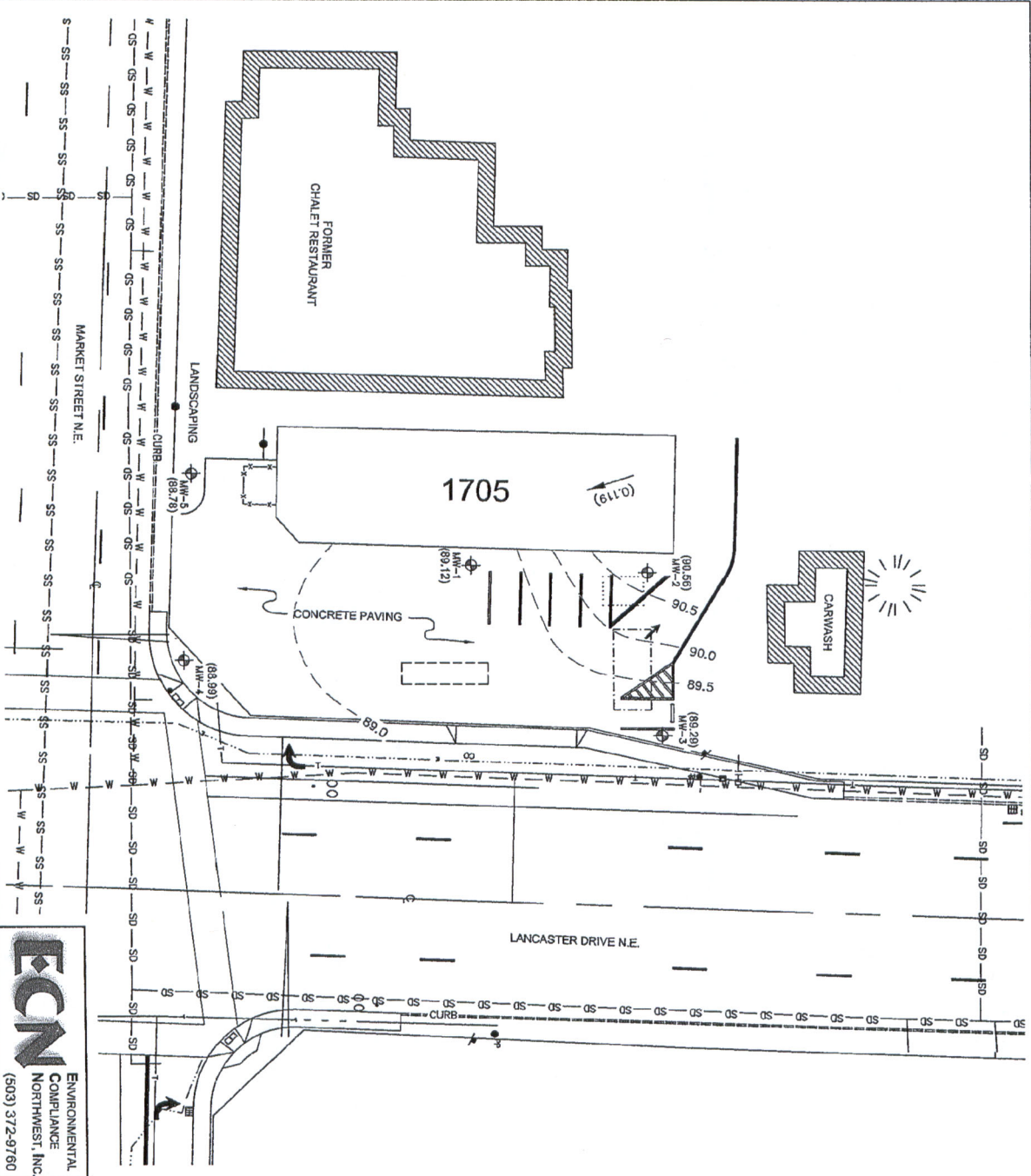


| Well ID | Date of Sampling | Casting Elevation (feet amsl) | Depth to Water (feet) | Groundwater Elevation (feet amsl) | Change in Elevation (feet) | TPH-Dx [1] | | TPH-G [2] | B [3] | T [3] | E [3] | X [3] | 1,2,4-TMB [3] | EDB [3] | EDC [3] | 1,3,6-TMB [3] | PFB [3] | MTBE [3] | NFB [3] | Naphthalene [3] | Other VOCs [3] | Dissolved Cd [4] | Dissolved Cr [4] | Dissolved Lead [4] | LAB |
|------------|------------------|-------------------------------|-----------------------|-----------------------------------|----------------------------|------------|----------|-----------|----------|---------|---------|---------|---------------|---------|---------|---------------|---------|----------|---------|-----------------|----------------------------------|------------------|------------------|--------------------|-----|
| | | | | | | Diesel | Lite Oil | | | | | | | | | | | | | | | | | | |
| MW-4 | 8/10/2007 | 98.82 | 10.53 | 88.89 | --- | 534 | ND<400 | 2,320 | 137 | 3.16 | 88.3 | 21.60 | 3.84 | ND<1.00 | ND<1.00 | 2.14 | 19.1 | ND<1.00 | 89.2 | 55.6 | IPF 1,17 NBB 3.85 SBB 3.31 | ND<0.1 | ND<1.0 | 0.87 | SA |
| | 3/20/2008 | 98.82 | 9.45 | 80.37 | 1.38 | 388 | ND<485 | ND<100 | 62.3 | ND<1.00 | 56.0 | ND<3.00 | 1.38 | ND<1.00 | ND<1.00 | ND<1.00 | 3.83 | ND<1.00 | 8.47 | 14.8 | ... | ... | ... | 0.18 | SA |
| | 8/29/2008 | 98.82 | 10.06 | 89.86 | -1.84 | 812 | ND<401 | ND<100 | 248 | 1.88 | 201.0 | ND<3.00 | 2.07 | ND<1.00 | ND<1.00 | 18.2 | ND<1.00 | 4.2 | 89.6 | ... | ... | ... | 1.2 | SA | |
| | 9/27/2008 | 98.82 | 7.29 | 82.63 | 3.67 | 428 | ND<481 | 692 | 38.7 | ND<1.00 | 3.8 | ND<3.00 | ND<1.00 | 1.86 | ND<1.00 | 1.86 | ND<1.00 | 2.66 | ND<1.00 | 41.6 | ... | ... | ND<0.10 | SA | |
| | 8/30/2008 | 98.82 | 0.11 | 80.71 | -1.82 | ND<246 | ND<480 | ND<100 | 16.6 | ND<1.00 | 1.0 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 26.4 | ND<1.00 | 41.6 | 105 | ... | ... | 0.33 | SA | |
| | 8/30/2008 | 98.82 | 11.38 | 88.44 | -2.27 | 449 | ND<478 | 2,470 | 85.7 | 1.2 | 204.0 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 26.4 | ND<1.00 | 41.6 | 232 | ... | ... | 2.0 | SA | |
| | 12/29/2008 | 98.82 | 6.99 | 82.80 | 4.49 | ND<238 | 489 | 111 | 5.33 | ND<1.00 | 1.8 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 2.31 | ND<1.00 | ND<1.00 | ND<1.00 | ... | ... | ... | ND<0.10 | SA |
| | 3/31/2010 | 98.82 | 5.97 | 83.85 | 0.92 | 118 | 218 | ND<100 | 7.23 | ND<1.00 | 1.8 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ... | ... | ... | ... | SA |
| | 8/10/2007 | 98.66 | 10.66 | 86.75 | --- | 247 | ND<475 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | 1.26 | ND<1.00 | ND<1.00 | ND<1.00 | ... | ... | ... | ... | SA |
| | 3/20/2008 | 98.66 | 0.52 | 80.14 | 1.36 | ND<238 | ND<477 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<1.00 | ND<3.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ... | ... | ... | ... | SA |
| 8/29/2008 | 98.66 | 10.87 | 88.79 | -1.36 | 292 | ND<479 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ... | ... | ... | ... | SA | |
| 3/27/2008 | 98.66 | 7.13 | 82.63 | 3.74 | ND<238 | ND<478 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ... | ... | ... | ... | SA | |
| 8/30/2008 | 98.66 | 8.16 | 80.51 | -2.02 | ND<265 | ND<469 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ... | ... | ... | ... | SA | |
| 8/30/2008 | 98.66 | 11.27 | 88.30 | -2.12 | ND<238 | ND<478 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ... | ... | ... | ... | SA | |
| 12/29/2008 | 98.66 | 8.77 | 82.89 | 4.5 | ND<238 | ND<479 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ... | ... | ... | ... | SA | |
| 3/31/2010 | 98.66 | 5.79 | 83.87 | 0.68 | ND<77.6 | ND<479 | ND<100 | ND<0.300 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ND<1.00 | ... | ... | ... | ... | SA | |

Rate-Based Concentrations (RBC)
 - Volatilization to Outdoor Air (Occupational)
 - Vapor Intrusion into Buildings (Occupational)
 - Groundwater in an Excavation
 (Construction and Excavation Worker)

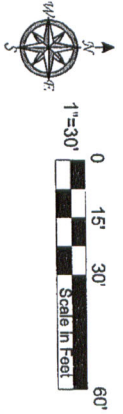
ABBREVIATIONS:
 B: Benzene
 T: Toluene
 E: Ethylbenzene
 X: Total Xylenes
 TMB: Trimethylbenzene
 EDB: Ethylene Dichloride
 EDC: Ethylene Dichloride
 IPB: Isopropylbenzene
 MTBE: Methyl Tertiary-Butyl Ether
 NFB: n-Propylbenzene
 >S: The groundwater RBC exceeds the solubility limit.

Results are in micrograms per liter (µg/L)
 (1) Northwest Method NWTPH-CX
 (2) Northwest Method NWTPH-GX
 (3) EPA Method 8271B or 8260B
 (4) EPA Method 8011
 (6) Oregon Department of Environmental Quality (DEQ) Generic Risk Based Concentrations (RBCs)



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 COMPLIANCE
 NORTHWEST, INC.
 (503) 372-9760

GROUNDWATER CONTOUR MAP
 1705 Lancaster Drive NE
 Salem, OR
 Project No. 05-110
 FIGURE 4



LEGEND

| | |
|--|--|
| | Monitoring Well Location |
| | UST |
| | Underground Storage Tank |
| | Approximate Former Used |
| | Oil UST Location |
| | Approximate Abandoned UST Location |
| | Approximate Former Fuel Dispenser Island Location |
| | Groundwater Elevation in Feet in Reference to an Arbitrary Benchmark |
| | Groundwater Elevation Contour in Feet |
| | Approximate Groundwater Flow Direction and Gradient in Feet per Foot |