

**SITE ASSESSMENT AND
UST DECOMMISSIONING REPORT**

**MOLALLA KWIK GAS
305 WEST MAIN STREET
MOLALLA, OREGON
DEQ FILE No.: 03-05-461**

ECNW PROJECT NO. 05-106

April 17, 2007

ENVIRONMENTAL COMPLIANCE NORTHWEST

April 17, 2007
ECNW Project No. 05-106

Mr. Jason Powell
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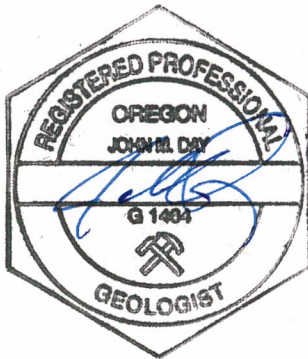
**SUBJECT: Site Assessment and UST
Decommissioning Report
Molalla Kwik Gas
305 West Main Street
Molalla, Oregon
DEQ LUST File No.: 03-05-461**

Dear Mr. Powell:

Environmental Compliance Northwest, Inc., (ECNW) is pleased to submit this Site Assessment and UST Decommissioning 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, R.G.
Senior Geologist
President

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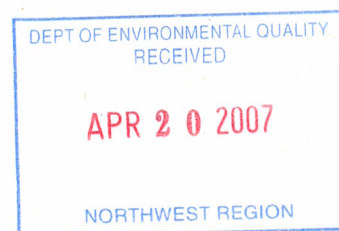


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1.0 INTRODUCTION

This report describes the site assessment and underground storage tank (UST) decommissioning activities conducted between March 2005 and October 2006 at the Molalla Kwik Gas site located at 305 West Main Street in Molalla, Oregon (Figure 1). The site activities were performed to further define the extent of petroleum hydrocarbon impacts and document UST activities at the site.

2.0 SITE DESCRIPTION

The site is located on the north side of West Main Street, approximately 100 feet west of Kennel Avenue near downtown Molalla and was formerly used as a fuel service station. The site is currently occupied by an automobile repair facility. A service station building is located in the southeastern portion of the site. The UST cavity, formerly containing four 10,000-gallon tanks is located in the northwestern portion of the site and a fuel dispenser island is located south of the station building. The site and surrounding area are relatively flat generally covered with gravel, with the exception of the former fuel dispenser island area, which is paved with asphalt. The locations of pertinent site features are shown on Figure 2.

3.0 BACKGROUND

The following background information was obtained from DEQ files and verbal discussions with Powell Distributing Company (Powell) personnel. The facility has operated since at least 1977 and consisted of a retail fueling and automotive repair facility. The UST system consisted of four USTs (three gasoline and one diesel), located in the northwest corner of the site and one fuel dispenser island, located in the southern portion of the site (Figure 2).

In April 2005, an apparent leak was detected in the underground product piping. A portion of the piping was uncovered and several small holes were observed in the piping.

4.0 FIELD ACTIVITIES

The following sections describe the additional site assessment and UST decommissioning activities, laboratory test methods, and findings.

4.1 INITIAL SITE ASSESSMENT ACTIVITIES

On March 15, 2005, ECNW conducted initial site assessment activities consisting of drilling two hand auger borings (PL-1 and PL-2) adjacent to the product piping at the locations shown on Figure 2. Soil samples were collected at depths of 3 feet below the ground surface (bgs), 5 feet bgs, and 2.75 feet bgs (samples PL-1-3', PL-1-5', and PL-2-2.75', respectively). Refusal was encountered in boring PL-1 at 5 feet bgs and 2.75' in boring PL-2). Visual indications of

petroleum hydrocarbon impact were observed in both borings. The samples were placed in an ice-chilled cooler and transported under chain-of-custody documentation to Specialty Analytical in Tualatin, Oregon.

4.2 ADDITIONAL SITE ASSESSMENT ACTIVITIES

On April 12, 2005, additional site assessment and interim remediation activities were performed. The majority of underground product piping was removed and approximately 15 cubic yards of apparent impacted soil in the vicinity of the former piping were excavated and stockpiled onsite. Two soil samples were collected from the bottom of the excavations (samples S1-8.5' [near PL-2] and S2-6' [near PL-1]). The samples were placed in an ice-chilled cooler and transported under chain-of-custody documentation to Specialty Analytical in Tualatin, Oregon.

4.3 DIRECT-PUSH BORING SITE ASSESSMENT ACTIVITIES

On April 26, 2005, a total of nine borings (B-1 through B-9) were drilled at the site by Cascade Drilling, based in Portland, Oregon, using direct-push drilling technology. The drilling was conducted to further define the extent of petroleum hydrocarbon impact to soil associated with the former underground product piping leak. In addition, shallow groundwater samples were collected to assess potential impact to the shallow water-bearing zone.

Borings B-1 through B-6 and B-9 were completed in the vicinity of the former product piping west and northwest of the station building and borings B-7 and B-8 were completed near the fuel dispenser island in the southern portion of the site. Soil boring locations are shown on Figure 3. Soil borings were drilled and sampled to a maximum depth of approximately 13 feet bgs. Drilling refusal was encountered in several borings at depths between 11 and 13 feet bgs. Boring logs are presented in Appendix A.

Soil was continuously collected in the direct-push borings and samples were collected at maximum intervals of 5-feet, beginning at ground surface, for field screening and potential laboratory analysis using a macro-core sampler. Generally, the soil samples with the highest field indications of impact (i.e., odor and staining) and a near-surface soil sample collected from a boring adjacent to the station building (i.e., from boring B-4) were 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.

Grab groundwater samples were collected from borings B-1, B-2, B-3, and B-9. The grab groundwater samples were collected using a peristaltic pump with new, disposable tubing changed between the borings. The grab groundwater samples were placed into an ice-chilled cooler and transported to Specialty Analytical following chain-of-custody protocols.

4.4 UST DECOMMISSIONING ACTIVITIES

The four USTs were decommissioned by removal between September 24 and October 6, 2006 by NW Tank Lining and Inspection, based in Vancouver, Washington. The tanks were transported to Cherry City Metals in Salem, Oregon for recycling (receipts are included in Appendix B. The remaining fuel product and vent lines, and three fuel dispensers associated with the USTs also were removed. The USTs were observed to be lined, single-wall, steel tanks. The tops of the USTs were encountered at approximately 4 feet bgs. Minor surficial corrosion and pitting was observed on the USTs, however, no holes were visible. Copies of the Underground Storage Tank Decommissioning/Change-In-Service Report and the Underground Storage Tank Decommissioning/Change-In-Service Checklist are provided in Appendix B.

Groundwater was not encountered in the UST excavation at the time of decommissioning. Native soil observed in the UST excavation generally consisted on silty gravel and gravelly sand. Petroleum hydrocarbon odors and staining were observed in the UST backfill soil at the south end of Tank number 3 (fill end of the second UST from the west). A soil sample of the apparent impacted backfill material was collected and submitted to Specialty Analytical for petroleum analysis for disposal purposes. Isolated soil staining also was observed at approximately 3-feet bgs in the southeastern portion of the UST cavity where the product piping entered the cavity. Apparent impacted backfill and native soil was removed during decommissioning and stockpiled onsite and combined with the soil generated during previous site assessment activities for future disposal. The stockpiled soil (40.36 tons) was transported to Hillsboro Landfill for disposal. The disposal receipts are included in Appendix B.

4.4.1 UST Decommissioning Soil Sampling

In accordance with Oregon Department of Environmental Quality (DEQ) guidelines, soil samples were collected for laboratory analysis from beneath the ends of each UST location (samples T1-N-13', T1-S-13', T2-N-13', T2-S-13.5', T3-N-13', T3-S-13', T4-N-13', T4-S-13') with the aid of the trackhoe used to remove the USTs. Precautions were taken while collecting soil samples not to take soil that was in contact with the trackhoe bucket. A soil sample also was collected from native soil at the south sidewall between the second and third tanks from the west, at a depth of approximately 7 feet bgs (sample T2/3-SSW-7'), to confirm the removal of impacted soil.

4.4.2 Fuel Dispenser Island Soil Sampling

Soil samples were collected from beneath each of the former fuel dispensers at a depth of approximately 2 feet bgs (samples W-Disp-2', M-Disp-2', E-Disp-2') using a hand auger. Soil sample locations are shown on Figure 4.

5.0 ANALYTICAL TEST METHODS

The analytical test methods used for the site assessment and UST decommissioning activities are discussed below.

5.1 SITE ASSESSMENT ANALYTICAL TEST METHODS

5.1.1 Soil Samples

Select soil samples were analyzed for hydrocarbon identification by Northwest Method NWTPH-HCID; gasoline-range hydrocarbons (gasoline) by Northwest Method NWTPH-Gx; diesel-range hydrocarbons (diesel) through lube oil-range (lube oil) petroleum hydrocarbons by Northwest Method NWTPH-Dx; and for benzene, toluene, ethylbenzene, and total xylenes (BTEX) by Environmental Protection Agency (EPA) Method 8021B.

5.1.2 Grab Groundwater Samples

Grab Groundwater samples from borings B-1, B-2, B-3, and B-9 were analyzed for gasoline-range hydrocarbons by Northwest Method NWTPH-Gx; BTEX by EPA Method 8021B; and polynuclear aromatic hydrocarbons (PAHs) by DEQ Method 8270SIM. Grab groundwater samples collected from borings B-3 and B-9 were also analyzed for diesel- through lube oil-range hydrocarbons by Northwest Method NWTPH-Dx.

5.2 UST DECOMMISSIONING ANALYTICAL TEST METHODS

Each soil sample collected during the UST system decommissioning activities was analyzed for gasoline-range hydrocarbons by Northwest Method NWTPH-Gx; diesel- through lube oil-range petroleum hydrocarbons by Northwest Method NWTPH-Dx; and BTEX by EPA Method 8021B. The soil sample collected from apparent impact backfill material (T-3 backfill) was also analyzed for hydrocarbon identification by Northwest Method NWTPH-HCID and lead by EPA Method 6010. One sample (T1-S-13') was analyzed for the DEQ risk-based decision making (RBDM) volatile organic compounds (VOCs) by EPA Method 8260B. In addition to BTEX, the remaining VOCs include: 1,2,4-trimethylbenzene (1,2,4-TMB); ethylene dibromide (EDB); ethylene dichloride (EDC); 1,3,5-TMB; isopropylbenzene (IPB); methyl tertiary-butyl ether (MTBE); n-propylbenzene (NPB); and naphthalene.

6.0 FINDINGS

The findings of the site assessment and UST decommissioning activities are described below.

6.1 PHYSICAL RESULTS

Apparent native soil encountered during the site assessment and UST decommissioning activities consisted predominantly of silty/sandy gravel to silty/gravelly sand. During the site assessment, drilling refusal was encountered in most borings at depths of approximately 11 to 13 feet bgs, where a hard, tuffaceous material was observed.

A shallow water-bearing zone was encountered at depths ranging from 6 to 9 feet bgs. Boring logs are included in Appendix A.

6.2 ANALYTICAL RESULTS-SITE ASSESSMENT

The analytical findings of the additional site assessment and monitoring well installation activities, including soil and grab groundwater sampling, are described below. The soil analytical results are summarized in Table 1 and the grab groundwater sample results are shown in Tables 2 and 4. A summary of the results of the additional site assessment are also presented on Figure 3. The laboratory data reports are provided in Appendix C.

6.2.1 Soil Analytical Results

Field Results

Field screening results (visual and olfactory) indicated that soil collected from the soil-groundwater interface (approximately 11 to 13 feet bgs) indicated the presence of petroleum hydrocarbons in borings DP-1, DP-3, DP-4, DP-6, and DP-7. A weak petroleum hydrocarbon odor was observed in soil samples collected from approximately 7 feet bgs in borings DP-4 and DP-7.

Laboratory Results

PL-1-3' Gasoline-range hydrocarbons were detected in the HCID sample. Follow-up analyses follow: Gasoline (1,100 milligrams per kilogram [mg/kg]), benzene (16.7 mg/kg), toluene (102 mg/kg), ethylbenzene (29 mg/kg), and total xylenes (146 mg/kg) were detected.

PL-1-5' Gasoline (8,370 mg/kg), benzene (85.8 mg/kg), toluene (664 mg/kg), ethylbenzene (169 mg/kg), and total xylenes (901 mg/kg) were detected.

PL-2-2.75' Gasoline (5,730 mg/kg), benzene (12.6 mg/kg), toluene (97.2 mg/kg), ethylbenzene (70.1 mg/kg), and total xylenes (541 mg/kg) were detected.

S1-8.5' Gasoline (3,120 mg/kg/), benzene (5.91 mg/kg), toluene (3.98 mg/kg), ethylbenzene (48.7 mg/kg), and total xylenes (11.3 mg/kg) were detected.

S2-6' Gasoline- and diesel-range hydrocarbons were detected in the HCID sample. Follow-up analyses follow: Diesel (32.6 mg/kg) and gasoline (530 mg/kg/) were detected. BTEX constituents were not detected at or above the laboratory reporting limits.

B-1-10' Diesel (67 mg/kg), gasoline (1,120 mg/kg), toluene (7.81 mg/kg), ethylbenzene (11.2 mg/kg), and total xylenes (54.4 mg/kg) were detected. Benzene was not detected at or above the laboratory reporting limit.

B-2-7' Gasoline (1,050 mg/kg/), benzene (2.1 mg/kg), toluene (2.79 mg/kg), ethylbenzene (4.89 mg/kg), and total xylenes (6.02 mg/kg) were detected.

B-3-6' Gasoline (45.7 mg/kg) was detected. BTEX constituent were not dedctected at or above the laboratory reporting limits.

B-4-3' Gasoline and BTEX constituents were not detected at or above the laboratory reporting limits.

B-4-6' Gasoline and BTEX constituents were not detected at or above the laboratory reporting limits.

B-5-7' Diesel, gasoline, and BTEX constituents were not detected at or above the laboratory reporting limits.

B-6-6' Gasoline and BTEX constituents were not detected at or above the laboratory reporting limits.

B-6-9' Gasoline (29.4 mg/kg), ethylbenzene (0.428 mg/kg), and total xylenes (0.486 mg/kg) were detected. Benzene and toluene were not detected at or above the laboratory reporting limits.

B-7-3' Gasoline and BTEX constituents were not detected at or above the laboratory reporting limits.

B-7-11' Gasoline (1,260 mg/kg/), toluene (0.696 mg/kg), ethylbenzene (3.29 mg/kg), and total xylenes (6.51 mg/kg) were detected. Benzene was not detected at or above the laboratory reporting limit.

B-8-11' Gasoline (339 mg/kg/), toluene (0.463 mg/kg), ethylbenzene (0.651 mg/kg), and total xylenes (2.75 mg/kg) were detected. Benzene was not detected at or above the laboratory reporting limit.

B-9-6' Gasoline (11.7 mg/kg) was detected. BTEX constituents were not detected at or above the laboratory reporting limits.

B-9-9' Gasoline (21.9 mg/kg) was detected. BTEX constituents were not detected at or above the laboratory reporting limits.

6.2.2 Grab Groundwater Analytical Results

B-1-W Gasoline (160,000 micrograms per liter [$\mu\text{g/L}$]); benzene (108 $\mu\text{g/L}$); toluene (49,500 $\mu\text{g/L}$); ethylbenzene (23.5 $\mu\text{g/L}$); and total xylenes (135 $\mu\text{g/L}$) were detected. In addition, the following PAHs were detected: acenaphthene (27 $\mu\text{g/L}$); acenaphthylene (16 $\mu\text{g/L}$); anthracene (31.5 $\mu\text{g/L}$); benz(a)anthracene (13.8 $\mu\text{g/L}$); benzo(a)pyrene (8.07 $\mu\text{g/L}$); benzo(b)fluoranthene (3.62 $\mu\text{g/L}$); benzo(g,h,i)perylene (6.41 $\mu\text{g/L}$); benzo(k)fluoranthene (1.6 $\mu\text{g/L}$); chrysene (6.83 $\mu\text{g/L}$); dibenz(a,h)anthracene (0.724 $\mu\text{g/L}$); fluoranthene (14.3 $\mu\text{g/L}$); fluorine (37.7 $\mu\text{g/L}$); indeno(1,2,3-cd)pyrene (1.96 $\mu\text{g/L}$); naphthalene (6,640 $\mu\text{g/L}$); phenanthrene (58.8 $\mu\text{g/L}$); and pyrene (25.4 $\mu\text{g/L}$).

B-2-W Gasoline (13,800 $\mu\text{g/L}$); benzene (3,450 $\mu\text{g/L}$); toluene (60 $\mu\text{g/L}$); ethylbenzene (239 $\mu\text{g/L}$); and total xylenes (612 $\mu\text{g/L}$) were detected. The following PAHs were also detected: acenaphthene (0.342 $\mu\text{g/L}$); acenaphthylene (0.141 $\mu\text{g/L}$); fluorine (0.714 $\mu\text{g/L}$); naphthalene (16.5 $\mu\text{g/L}$); and phenanthrene (0.543 $\mu\text{g/L}$).

B-3-W Diesel (3,260 $\mu\text{g/L}$); gasoline (40,000 $\mu\text{g/L}$); benzene (41.3 $\mu\text{g/L}$); toluene (59 $\mu\text{g/L}$); ethylbenzene (155 $\mu\text{g/L}$); and total xylenes (670 $\mu\text{g/L}$) were detected. The following PAHs were also detected: acenaphthene (0.359 $\mu\text{g/L}$); acenaphthylene (0.123 $\mu\text{g/L}$); anthracene (0.0513 $\mu\text{g/L}$); fluorine (1.16 $\mu\text{g/L}$); naphthalene (93.0 $\mu\text{g/L}$); and phenanthrene (0.226 $\mu\text{g/L}$).

B-4-W Diesel (2,830 $\mu\text{g/L}$); gasoline (9,170 $\mu\text{g/L}$); benzene (82.3 $\mu\text{g/L}$); toluene (9.81 $\mu\text{g/L}$); ethylbenzene (131 $\mu\text{g/L}$); and total xylenes (76.6 $\mu\text{g/L}$) were detected. The following PAHs were also detected: acenaphthene (0.220 $\mu\text{g/L}$); acenaphthylene (0.090 $\mu\text{g/L}$); fluorine (0.760 $\mu\text{g/L}$); naphthalene (106 $\mu\text{g/L}$); and phenanthrene (0.220 $\mu\text{g/L}$).

6.3 UST DECOMMISSIONING ANALYTICAL RESULTS

T-3-backfill (excavated) Diesel-, kerosene-, and gasoline-range hydrocarbons were detected in the HCID sample. Follow-up analyses follow: Diesel (991 mg/kg); kerosene (3,130 mg/kg); gasoline (5,410 mg/kg); toluene (2.97 mg/kg); ethylbenzene (18.2 mg/kg); total xylenes (161 mg/kg); and lead (2.85 mg/kg) were detected. Benzene was not detected at or above the laboratory reporting limit.

T1-S-13' Kerosene (251 mg/kg); gasoline (1,520 mg/kg); ethylbenzene (0.142 mg/kg); total xylenes (9.19 mg/kg); 1,2,4-TMB (0.0763 mg/kg); 1,3,5-TMB (0.0202 mg/kg); IPB (0.557 mg/kg); NPB (2.44 mg/kg); and naphthalene (0.0147 mg/kg) were detected). Benzene was not detected at or above the laboratory reporting limit.

T1-N-13', T2-N-13', T3-S-13', T3-N-13', T4-N-13', and T 2/3-SSW-7' Diesel-, kerosene-, lube oil-, gasoline-range hydrocarbons, as well as BTEX constituents were not detected at or above the laboratory reporting limits.

T2-S-13.5' Kerosene (51.1 mg/kg) and gasoline (76.2 mg/kg) were detected. Diesel- and lube oil-range hydrocarbons, as well as BTEX were not detected at or above the laboratory reporting limits.

T4-S-13' Gasoline (4.93 mg/kg) was detected. Diesel-, kerosene-, and lube oil-range hydrocarbons, as well as BTEX constituents were not detected at or above the laboratory reporting limits.

W-Disp-2' Diesel (8,290 mg/kg) and gasoline (68.8 mg/kg) were detected. Kerosene- and lube oil-range, as well as BTEX constituents were not detected at or above the laboratory reporting limits.

M-Disp-2' Diesel (1,200 mg/kg), gasoline (16.0 mg/kg), and ethylbenzene (0.119 mg/kg) were detected. Kerosene- and lube oil-range, as well as the remaining BTEX constituents were not detected at or above the laboratory reporting limits.

E-Disp-2' Diesel (23 mg/kg) and gasoline (5.64 mg/kg) were detected. Kerosene- and lube oil-range, as well as BTEX constituents were not detected at or above the 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.

7.1 OREGON SOIL MATRIX CLEANUP LEVEL

Oregon's Numeric Soil Cleanup regulations contained in OAR 340-122-305 to 340-122-360 establish numeric cleanup standards for soil impacted by releases of various petroleum products from USTs. These "Soil Matrix" standards allow quick identification of petroleum hydrocarbon cleanup levels for soil located above the seasonal-high groundwater table at UST sites.

Soil Matrix cleanup levels for a UST release of total petroleum hydrocarbons may be used if the impacted material is limited to soil only and groundwater has not been impacted. Soil Matrix

cleanup levels are based on site-specific criteria as specified in OAR 340-122-335 (DEQ, 2000). DEQ also commonly uses Soil Matrix cleanup levels for guidance purposes only, to evaluate total petroleum hydrocarbon concentrations in soil at sites where groundwater also has been impacted.

Based on site-specific parameters, a Soil Matrix score of 34 was calculated for the subject site, ranking it as a Level 2 Soil Matrix site, with allowable gasoline-range hydrocarbon concentrations in soil of 80 mg/kg and diesel- and lube oil-range hydrocarbon concentrations of 500 mg/kg (DEQ, 2000). Soil samples collected during site assessment activities (soil remaining in-place) exceeding the Level 2 Soil Matrix cleanup levels include: S1-8.5' (3,120 mg/kg gas); S2-6' (530 mg/kg gas); B-1-10' (1,120 mg/kg gas); B-2-7' (1,050 mg/kg gas); B-7-11' (1,260 mg/kg gas); and B-8-11' (339 mg/kg gas). Soil samples collected during UST system decommissioning activities (soil remaining in-place) exceeding the Level 2 Soil Matrix cleanup levels include: T1-S-13' (1,520 mg/kg gas), W Disp-2' (8,290 mg/kg diesel); M Disp-2' (1,200 mg/kg diesel). The Soil Matrix Score Sheet is included in Appendix B.

7.2 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). 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 revised in September 2003 (DEQ, 2003).

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) vapor intrusion into buildings (occupational); 2) volatilization to outdoor air (occupational); and 3) soil ingestion, dermal contact, and inhalation for an excavation worker. The exposure pathways considered potentially complete for groundwater include: 1) vapor intrusion into buildings (occupational); 2) volatilization to outdoor air (occupational); and 3) groundwater in an excavation for a construction or excavation worker. Following are the results of soil and grab groundwater samples exceeding applicable potential exposure pathways:

Soil

Benzene exceeded the vapor intrusion into buildings (occupational) exposure pathway RBC (1.2 mg/kg) in two soil samples (soil remaining in-place) collected during site assessment activities (5.91 mg/kg [S1-8.5'] and 2.1 mg/kg [B-2-7']).

Groundwater

Gasoline exceeded the groundwater in an excavation (construction and excavation worker) exposure pathway RBC (12,000 µg/L) in the following samples: B-1-W (160,000 µg/L); B-2-W (13,800 µg/L); and B-3-W (40,000 µg/L). Benzene exceeded the RBC for the three potentially complete exposure pathways in sample B-2-W (3,450 µg/L). The following PAHs exceeded the RBCs for the groundwater in an excavation (construction and excavation worker) exposure pathway in sample B-1-W: benz(a)anthracene (13.8 µg/L, RBC = 9.1 µg/L); benzo(a)pyrene (8.07 µg/L, RBC = 0.53 µg/L); dibenz(a,h)anthracene (0.724, RBC = 0.21 µg/L); and naphthalene (6,640 µg/L, RBC = 680 µg/L).

None of the soil samples collected during UST system decommissioning activities exceeded the potentially complete exposure pathway RBCs. The RBC cleanup levels are listed in Appendix A of the most recently published DEQ RBDM guidance document (DEQ, 2003) and are summarized in Tables 1 through 4 of this report.

8.0 SUMMARY AND CONCLUSIONS

The site was operated as a retail fueling facility until March 2005. An apparent petroleum hydrocarbon release from the underground product piping was reported to DEQ on March 15, 2005. The site is currently operated as automotive repair facility and is an area of commercial development.

ECNW conducted site assessment activities between March and April 2005, consisting of advancing hand soil borings, limited excavation of apparent impacted soil associated with the product piping release, and drilling a total nine soil borings. Soil and water samples collected during the site assessment activities indicated that both soil and the shallow water-bearing zone in the vicinity of the product piping were impacted by petroleum hydrocarbons.

The four USTs at the site were decommissioned by removal in October 2006. Petroleum hydrocarbon-impacted backfill material was encountered adjacent to the fill port of one the USTs. During UST removal activities, the apparent impacted backfill material was excavated and stockpiled onsite, and subsequently transported to Hillsboro Landfill for disposal, along with the previously excavated soil generated during site assessment activities. Analytical results of the compliance soil samples collected following UST removal activities indicated relatively low levels of petroleum hydrocarbon-impacted soil in isolated areas of the former UST cavity.

Analytical results of samples collected from beneath the former fuel dispensers indicate that residual diesel- and gasoline-range hydrocarbons are present in the southern portion of the site.

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 underground piping and at the southeast corner of the former UST cavity, contains petroleum hydrocarbons exceeding the DEQ RBDM RBCs and/or the DEQ Level 2 Soil Matrix cleanup levels.

Grab groundwater analytical results from samples collected near the former underground product piping from the shallow water-bearing zone indicate that benzene, TPH-G, and four PAH constituent concentrations exceed the most conservative potential exposure pathway RBCs.

Based on the laboratory results, it appears that further site assessment may be warranted. We propose that additional soil borings be advanced and monitoring wells be installed to further assess subsurface site conditions.

9.0 REFERENCES

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, 2000. UST Cleanup Manual, Cleanup Rules for Leaking Petroleum UST Systems, OAR 340-122-0205 through 340-122-0360, and Associated Documents. Oregon Department of Environmental Quality, Portland, Oregon, December.

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.

TABLES

S1-8.5'
Xylenes =
113

TABLE 1
SOIL ANALYTICAL RESULTS - HCID, TPH & BTEX
Site Assessment
Molalla Kwik Gas
Main Street
Molalla, Oregon
ECNW Project No. 05-106

Sample Identification	Date of Sampling	Sample Depth (Feet bgs)	HCID [1] Detected/ Not Detected	TPH-Dx [2]		TPH-Gx (mg/kg) [3]	Benzene (mg/kg) [4]	Toluene (mg/kg) [4]	Ethylbenzene (mg/kg) [4]	Total Xylenes (mg/kg) [4]	LAB
				Diesel (mg/kg)	Lube Oil (mg/kg)						
PL-1-3'	3/15/2005	3	Gasoline	---	---	1,100	16.7	102	29	146	SA
PL-1-5'	3/15/2005	5	---	---	---	8,370	85.8	664	169	901	SA
PL-2-2.75'	3/15/2005	2.75	---	---	---	5,730	12.6	97.2	70.1	541	SA
S1-8.5'	4/12/2005	8.5	---	---	---	3,120	5.91	3.98	48.7	11.3	SA
S2-6'	4/12/2005	6	Gasoline/Diesel	32.6	ND<54.6	530	---	---	---	---	SA
B-1-10'	4/26/2005	10	---	67	ND<60.9	1,120	ND<0.305	7.81	11.2	54.4	SA
B-2-7'	4/26/2005	7	---	---	---	1,050	2.1	2.79	4.89	6.02	SA
B-3-6'	4/26/2005	6	---	---	---	45.7	ND<0.0347	ND<0.139	ND<0.139	ND<0.416	SA
B-4-3'	4/26/2005	3	---	---	---	ND<3.33	ND<0.0333	ND<0.133	ND<0.133	ND<0.399	SA
B-4-6'	4/26/2005	6	---	---	---	ND<3.33	ND<0.0333	ND<0.133	ND<0.133	ND<0.399	SA
B-5-7'	4/26/2005	7	---	ND<21.1	ND<70.4	ND<3.52	ND<0.0352	ND<0.141	ND<0.0141	ND<0.423	SA
B-6-6'	4/26/2005	6	---	---	---	ND<3.21	ND<0.0321	ND<0.128	ND<0.128	ND<0.385	SA
B-6-9'	4/26/2005	9	---	---	---	29.4	ND<0.0363	ND<0.145	0.428	0.486	SA
B-7-3'	4/26/2005	3	---	---	---	ND<3.17	ND<0.0317	ND<0.127	ND<0.127	ND<0.381	SA
B-7-11'	4/26/2005	11	---	---	---	1,260	ND<0.0321	0.696	3.29	6.51	SA
B-8-11'	4/26/2005	11	---	---	---	339	ND<0.0311	0.463	0.651	2.75	SA
B-9-6'	4/26/2005	6	---	---	---	11.7	ND<0.0328	ND<0.131	ND<0.131	ND<0.393	SA
B-9-9'	4/26/2005	9	---	---	---	21.9	ND<0.0353	ND<0.141	ND<0.141	ND<0.423	SA
Soil Matrix Cleanup Level (Level 2) [5]			NE	500	500	80	NE	NE	NE	NE	
Risk-Based Concentrations [6]											
- Occ. Vapor Intrusion Into buildings			NE	>Max	NE	>Max	1.2	>Csat (538)	>Csat (327)	>Csat (358)	
- Occ. Volatilization to Outdoor Air			NE	>Max	NE	80,000	48	>Csat (538)	>Csat (327)	>Csat (358)	
- Surface Soil Ingestion, Dermal Contact, and Inhalation for an Excavation Worker			NE	>Max	NE	>Max	9,400 >Csat	>Max	>Max	>Max	

feet bgs feet below ground surface
ND Not detected at or above the laboratory reporting limit
mg/kg Milligrams per kilogram
ND Not detected at or above the indicated laboratory reporting limit
NE Not Established by DEQ
--- Not analyzed/measured/applicable
SA Specialty Analytical
RBC Risk-Based Concentration
TPH Total petroleum hydrocarbons

[1] Hydrocarbon Identification (NWPTH-HCID)
[2] Total Petroleum Hydrocarbons as Diesel, Extended (NWPTH-Dx)
[3] Total Petroleum Hydrocarbons as Gasoline (NWPTH-Gx)
[4] EPA Method 8021B
[5] Oregon Department of Environmental Quality (DEQ) Soil Matrix Cleanup Level (OAR 340-122-0360)
[6] DEQ Generic Risk Based Concentrations (RBCs) (DEQ, 2003)
>Max: The constituent RBC for this pathway is greater than 100,000 mg/kg. The TPH RBC is greater than the maximum amount that would be present if all of the initial air space is filled with petroleum product. DEQ believes it is highly unlikely that such concentrations will ever be encountered.

>Csat This soil RBC exceeds the limit of three-phase equilibrium partitioning [shown in ()]. Soil concentrations in excess of Csat indicate that free product might be present.

TABLE 2

Groundwater Analytical Results - TPH-Dx, TPH-G, and BTEX
 Site Assessment
 Molalla Kwik Gas
 Main Street
 Molalla, Oregon
 ECNW Project No. 05-106

Sample I.D.	Date of Sampling	TPH-Dx (1)		TPH-G (µg/L) (2)	B (µg/L) [3]	T (µg/L) [3]	E (µg/L) [3]	X (µg/L) [3]	LAB
		Diesel (µg/L)	Lube Oil (µg/L)						
B-1-W	4/26/2005	---	---	160,000	108	49,500	23.5	135	SA
B-2-W	4/26/2005	---	---	13,800	3,450	60	239	612	SA
B-3-W	4/26/2005	3,260	ND<0.500	40,000	41.3	59	155	670	SA
B-9-W	4/26/2005	2,830	ND<0.509	9,170	82.3	9.81	131	76.6	SA
Risk-Based Concentrations [4]									
-									
- Occ. Vapor Intrusion Into buildings		>S	NE	>S	2,700	>S (526,000)	>S (169,000)	>S (175,000)	
- Occ. Volatilization to Outdoor Air		>S	NE	>S	1,300	>S (526,000)	>S (169,000)	>S (175,000)	
- Groundwater in an Excavation		>S	NE	12,000	1,700	78,000	110,000	22,000	
Construction and Excavation Worker									

ABBREVIATIONS:

B	Benzene	(1)	Northwest Method NWTPH-Dx
T	Toluene	(2)	Northwest Method NWTPH-Gx
E	Ethylbenzene	(3)	EPA Method 8021B
X	Total Xylenes	(4)	Oregon Department of Environmental Quality (DEQ)
µg/L	Micrograms per Liter		Generic Risk Based Concentrations (RBCs)
ND	Not detected at or above the indicated laboratory reporting limit		(DEQ, 2003).
NE	Not Established by DEQ		
---	Not analyzed/measured/applicable	>S	This groundwater RBC exceeds the solubility limit listed in ().
Bold	Exceeds risk-based concentration		Groundwater concentrations in excess of S indicate that free product may be present. If solubility is not listed, data was not listed in Appendix D of the DEQ RBDM guidance document (DEQ, 2003), or solubility limits vary (i.e., gasoline and diesel).

TABLE 3
Groundwater Analytical Results (PAHs)
Site Assessment
Molalla Kwik Gas
305 West Main Street
Molalla, Oregon
ECNW Project No. 05-106

Polynuclear Aromatic Hydrocarbons (µg/L) [1]		Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoroanthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	LAB
Sample Identification	Sample Date																	
B-1-W	4/26/2005	27	16	31.5	13.8	8.07	3.62	6.41	1.6	6.83	0.724	14.3	37.7	1.96	6,640	58.8	25.4	SA
B-2-W	4/26/2005	0.342	0.141	ND<0.0503	ND<0.0503	ND<0.0503	ND<0.0503	ND<0.0503	ND<0.0503	ND<0.0503	ND<0.0503	ND<0.0503	0.714	ND<0.0503	16.5	0.543	ND<0.0503	SA
B-3-W	4/26/2005	0.359	0.123	0.0513	ND<0.0513	ND<0.0513	ND<0.0513	ND<0.0513	ND<0.0513	ND<0.0513	ND<0.0513	ND<0.0513	1.160	ND<0.0513	93.0	0.226	ND<0.0513	SA
B-9-W	4/26/2005	0.220	0.090	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	0.760	ND<0.0500	106	0.220	ND<0.0500	SA
Risk-Based Concentrations [2]																		
- Occ. Vapor Intrusion Into buildings		>S (4,240)	NE	>S (43.4)	>S (9.40)	>S (1.62)	>S (1.50)	NE	>S (0.80)	>S (1.60)	>S (0.249)	>S (0.206)	>S (1,980)	>S (0.0220)	>S (31,000)	NE	>S (135)	
- Occ. Volatilization to Outdoor Air		>S (4,240)	NE	>S (43.4)	>S (9.40)	>S (1.62)	>S (1.50)	NE	>S (0.80)	>S (1.60)	>S (0.249)	>S (0.206)	>S (1,980)	>S (0.0220)	>S (31,000)	NE	>S (135)	
- Groundwater in an Excavation		>S (4,240)	NE	>S (43.4)	9.1	0.53	>S (1.50)	NE	>S (0.80)	>S (1.60)	0.21	>S (0.206)	>S (1,980)	>S (0.0220)	680	NE	>S (135)	
Construction and Excavation Worker																		

ND not detected at or above the indicated laboratory reporting limit
SA Specialty Analytical
µg/L Micrograms per Liter

[1] DEQ Method 8270SIM
[2] Oregon Department of Environmental Quality (DEQ) Generic Risk Based Concentrations (RBCs) (DEQ, 2003).
NE A Risk-Based Concentration has not been determined for this constituent
>S This groundwater RBC exceeds the solubility limit listed in (). Groundwater concentrations in excess of S indicate that free product may be present. If solubility is not listed, data was not listed in Appendix D of the DEQ RBDM guidance document (DEQ, 2003).

T2-S-13.5'
Ethylbenzene
= 0.189
Xylenes =
0.503

TABLE 4
UST Decommissioning Soil Analytical Results - HCID, TPH, and RBDM VOCs
Molalla Kwik Gas
Main Street
Molalla, Oregon
ECNW Project No. 05-106

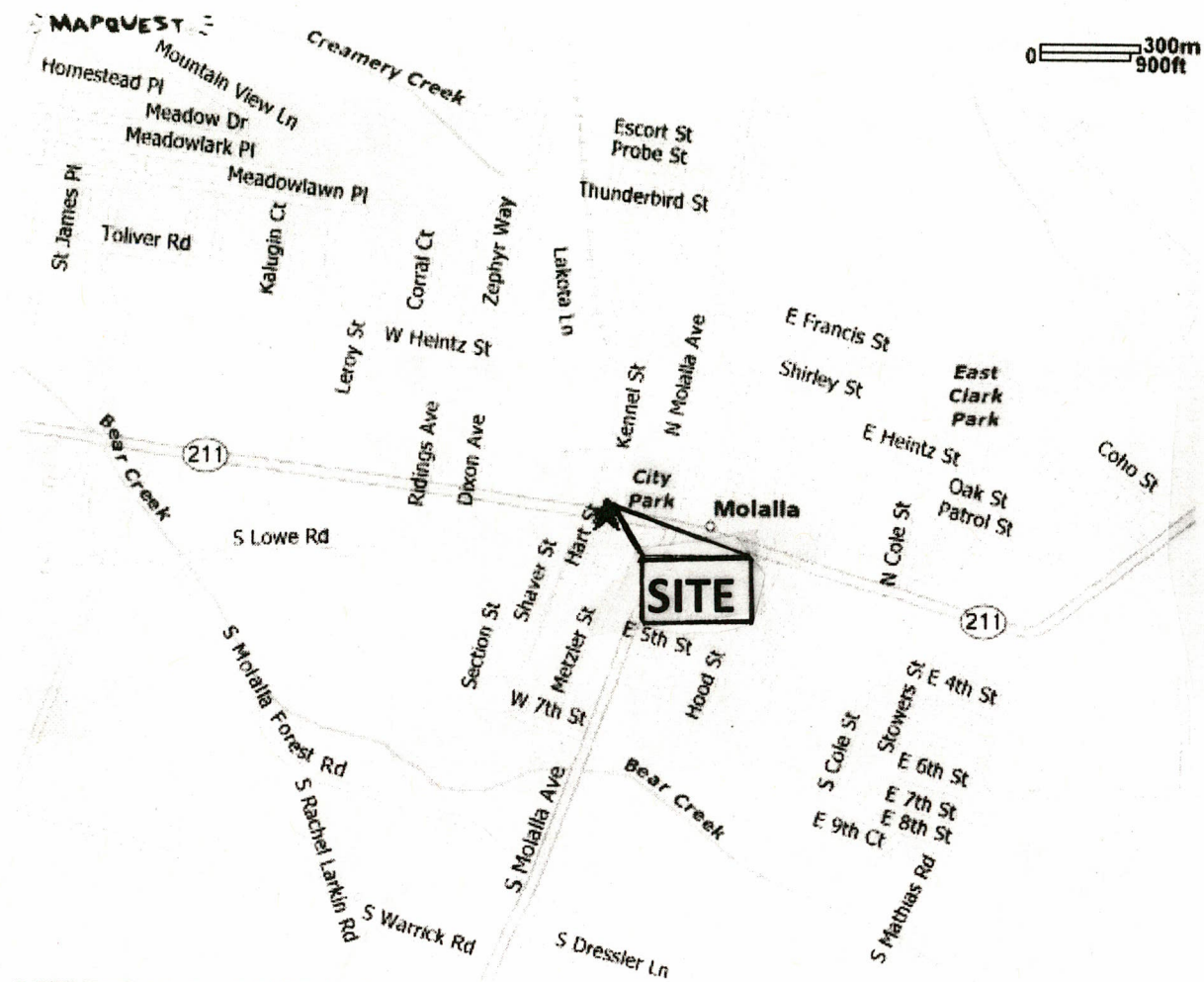
Sample ID	Date of Sampling	Depth Feet bsg	HCID [1]	TPH-Dx [2]			TPH-G [3]	B [4]	T [4]	E [4]	X [4]	1,2,4-TMB [5]	EDB [5]	EDC [5]	1,3,5-TMB [5]	IPB [5]	MTBE [5]	NPB [5]	Naphthalene [5]	Lead [6]	LAB				
				Diesel	Kerosene	Lube Oil																			
T-3 backfill (excavated)	9/29/2006	3	Gas/ Kerosene/ Diesel	991	3,130	ND<70.1	5,410	ND<0.0314	2.97	18.2	161	---	---	---	---	---	---	---	---	2.85	SA				
T1-S-13'	10/4/2006	13	---	ND<19.1	251	ND<63.5	1,520	ND<0.0318	ND<0.127	0.142	9.19	0.0763	ND<0.100	ND<0.100	0.0202	0.557	ND<0.010	2.44	0.0147	---	SA				
T1-N-13'	10/4/2006	13	---	ND<19.7	---	ND<65.8	ND<3.29	ND<0.0329	ND<0.132	ND<0.132	ND<0.395	---	---	---	---	---	---	---	---	---	SA				
T2-S-13.5'	10/4/2006	13.5	---	ND<19.9	51.1	ND<66.5	76.2	ND<0.0332	ND<0.133	ND<0.133	ND<0.399	---	---	---	---	---	---	---	---	---	SA				
T2-N-13'	10/4/2006	13	---	ND<18.5	---	ND<61.5	ND<3.08	ND<0.0308	ND<0.123	ND<0.123	ND<0.369	---	---	---	---	---	---	---	---	---	SA				
T3-S-13'	10/4/2006	13	---	ND<22.4	---	ND<74.6	ND<3.73	ND<0.0373	ND<0.149	ND<0.149	ND<0.448	---	---	---	---	---	---	---	---	---	SA				
T3-N-13'	10/4/2006	13	---	ND<18.7	---	ND<62.2	ND<3.11	ND<0.0311	ND<0.124	ND<0.124	ND<0.373	---	---	---	---	---	---	---	---	---	SA				
T4-S-13'	10/4/2006	13	---	ND<20.5	---	ND<68.2	4.93	ND<0.0341	ND<0.136	ND<0.136	ND<0.409	---	---	---	---	---	---	---	---	---	SA				
T4-N-13'	10/4/2006	13	---	ND<18.2	---	ND<60.5	ND<3.03	ND<0.0303	ND<0.121	ND<0.121	ND<0.363	---	---	---	---	---	---	---	---	---	SA				
T2/3-SSW-7'	10/4/2006	7	---	ND<21.7	---	ND<72.5	ND<3.62	ND<0.0362	ND<0.145	ND<0.145	ND<0.435	---	---	---	---	---	---	---	---	---	SA				
W Disp-2'	10/4/2006	2	---	8,290	---	ND<58.8	68.8	ND<0.0294	ND<0.118	ND<0.118	ND<0.353	---	---	---	---	---	---	---	---	---	SA				
M Disp-2'	10/4/2006	2	---	1,200	---	ND<54.1	16.0	ND<0.0270	ND<0.101	0.119	ND<0.324	---	---	---	---	---	---	---	---	---	SA				
E Disp-2'	10/4/2006	2	---	23	---	ND<53.2	5.64	ND<0.0266	ND<0.106	ND<0.106	ND<0.319	---	---	---	---	---	---	---	---	---	SA				
Soil Matrix Cleanup Level (Level 2) [7]			NE	500	500	500	80	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE					
Risk-Based Concentrations [8]																									
- Occ. Vapor Intrusion Into buildings			NE	>Max	NE	NE	>Max	1.2	>Csat (538)	>Csat (327)	>Csat (358)	840	0.37	0.56	140	>Csat (335)	35	>Csat (198)	>Csat (312)	NE					
- Occ. Volatilization to Outdoor Air			NE	>Max	NE	NE	80,000	48	>Csat (538)	>Csat (327)	>Csat (358)	790	1.7	14	>Csat (211)	>Csat (335)	720	>Csat (198)	>Csat (312)	NE					
- Soil ingestion, Dermal Contact, and Inhalation for an Excavation Worker			NE	>Max	NE	NE	>Max	9,400	>Csat	>Max	>Max	>Max	40,000	>Csat	7.1	5,000	>Csat	40,000	>Csat	>Max	5,000	>Max	20,000	>Csat	750

ABBREVIATIONS:

feet bgs feet below ground surface
ND Not detected at or above the laboratory reporting limit
mg/kg Milligrams per kilogram
B Benzene
T Toluene
E Ethylbenzene
X Total Xylenes
TMB Trimethylbenzene
EDB Ethylene dibromide
EDC Ethylene dichloride
IPB Isopropylbenzene
MTBE Methyl tertiary butyl ether
NPB N-propylbenzene
ND Not detected at or above the indicated laboratory reporting limit
NE Not Established by DEQ
--- Not analyzed/measured/applicable
SA Specialty Analytical

[1] Hydrocarbon Identification (NWPTH-HCID)
[2] Total Petroleum Hydrocarbons as Diesel, Extended (NWPTH-Dx)
[3] Total Petroleum Hydrocarbons as Gasoline (NWPTH-Gx)
[4] EPA Methods 8021B or 8260B
[5] EPA Method 8260B
[6] EPA Method 6010
[7] Oregon Department of Environmental Quality (DEQ) Soil Matrix Cleanup Level (OAR 340-122-0360)
[8] DEQ Generic Risk Based Concentrations (RBCs)
>Max: The constituent RBC for this pathway is greater than 100,000 mg/kg. The TPH RBC is greater than the maximum amount that would be present if all of the initial air space is filled with petroleum product. DEQ believes it is highly unlikely that such concentrations will ever be encountered.
>Csat This soil RBC exceeds the limit of three-phase equilibrium partitioning [shown in ()]. Soil concentrations in excess of Csat indicate that free product might be present.

FIGURES

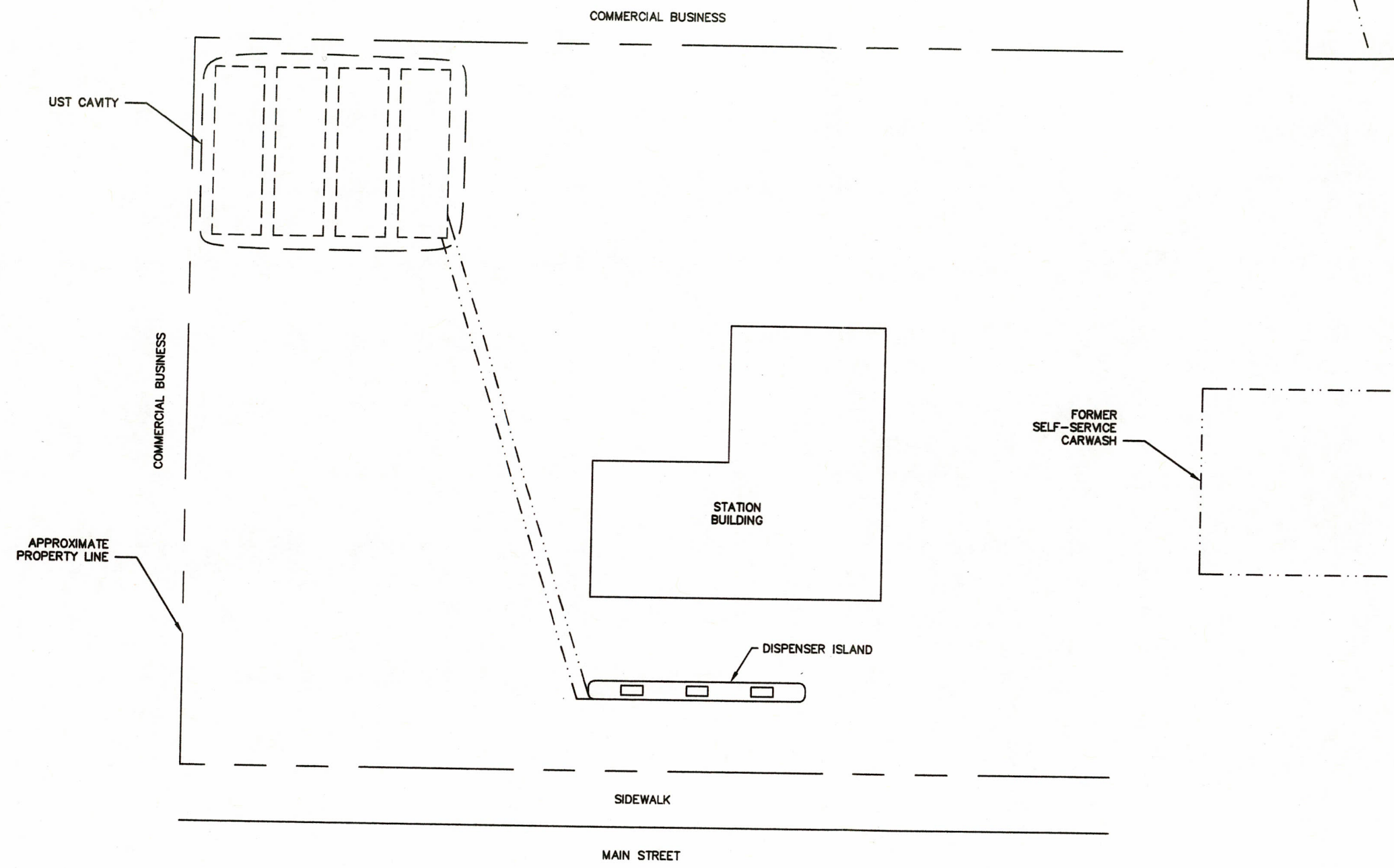


VICINITY MAP

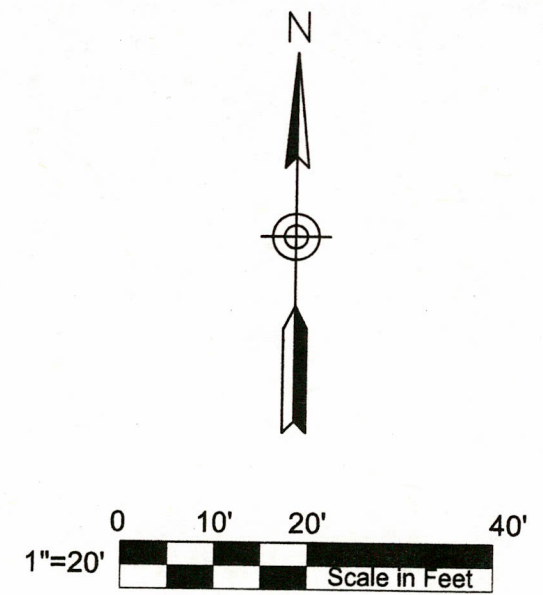
**MOLALLA KWIK GAS
305 WEST MAIN STREET
MOLALLA, OREGON**

ECNW PROJ. No. 05-106

FIGURE 1



LEGEND	
UST	Underground Storage Tank
[]	Former Underground Storage Tank
- - -	Former Underground Product Piping Trench



**ENVIRONMENTAL
COMPLIANCE
NORTHWEST, INC.**

SITE PLAN

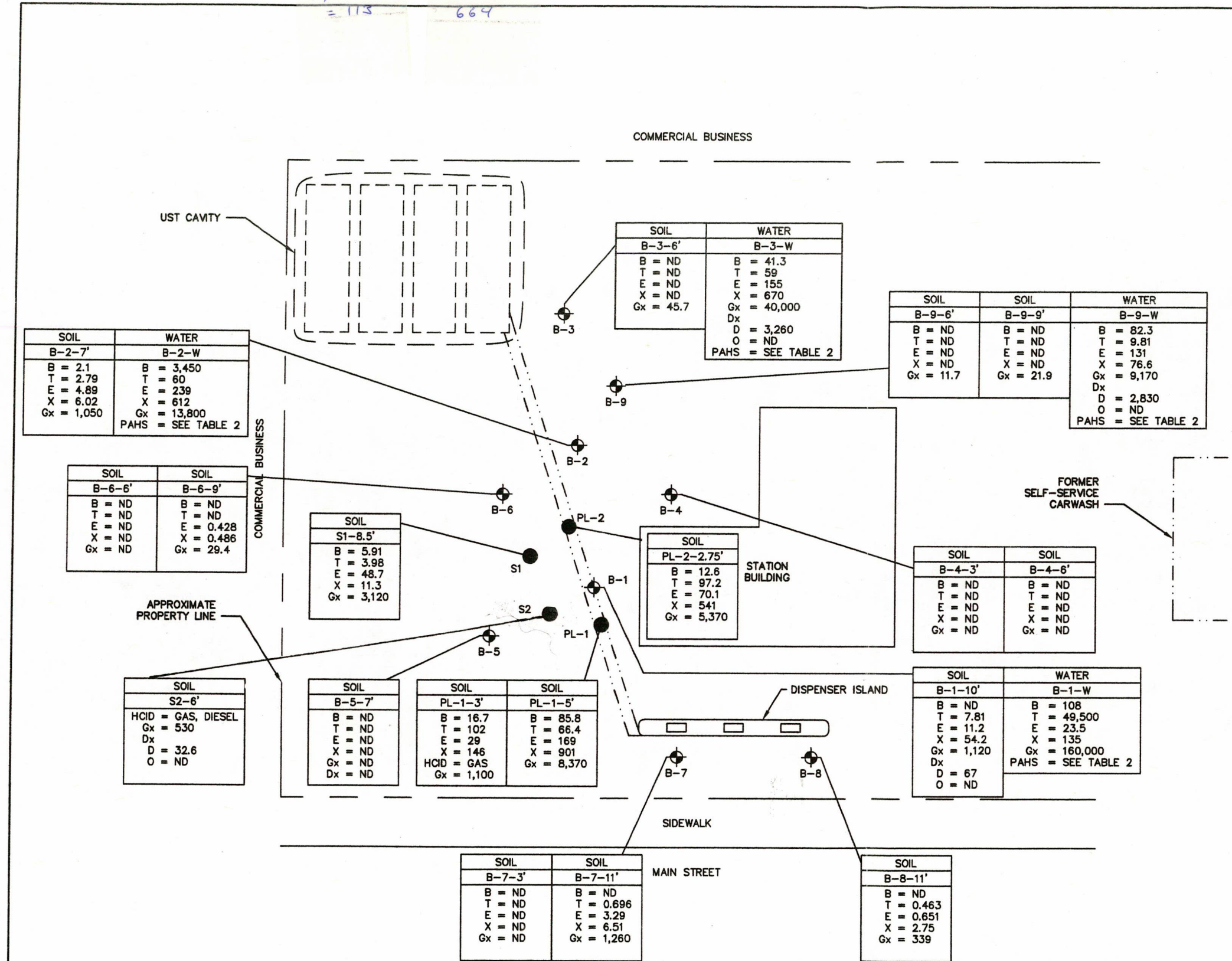
KWIK GAS
305 WEST MAIN STREET
MOLALLA, OREGON

Project No. 05-106

FIGURE 2

S1-8-5'
 Xylenes
 = 113

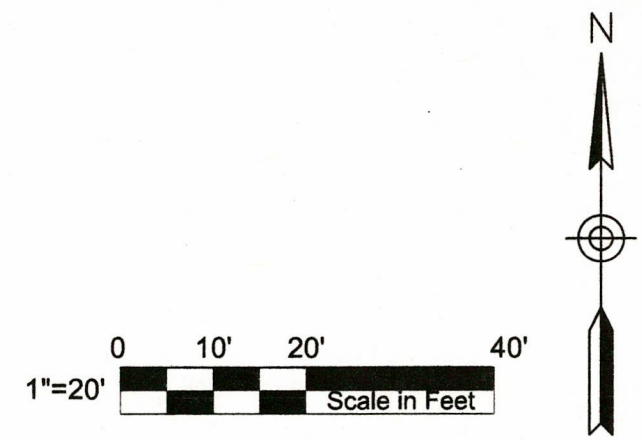
PL-1-5'
 Toluene =
 669



LEGEND

- Hand Auger/Excavation Sample
- ⊕ Boring Location
- B-1-10' Sample Identification
- UST Underground Storage Tank
- [] Former UST
- - - Former Underground Product Piping Trench
- B Benzene
- T Toluene
- E Ethylbenzene
- X Total Xylenes
- HCID Hydrocarbon Identification
- TPH-Gx Total Petroleum Hydrocarbons Gasoline - Range
- TPH-Dx Total Petroleum Hydrocarbons Diesel extended
- D Diesel
- O Lube Oil
- PAHS Polynuclear Aromatic Hydrocarbons
- ND Not Detected

Soil Results are in milligrams per kilogram (mg/kg)
Water Results are in micrograms per liter (µg/L)



ENVIRONMENTAL
COMPLIANCE
NORTHWEST, INC.

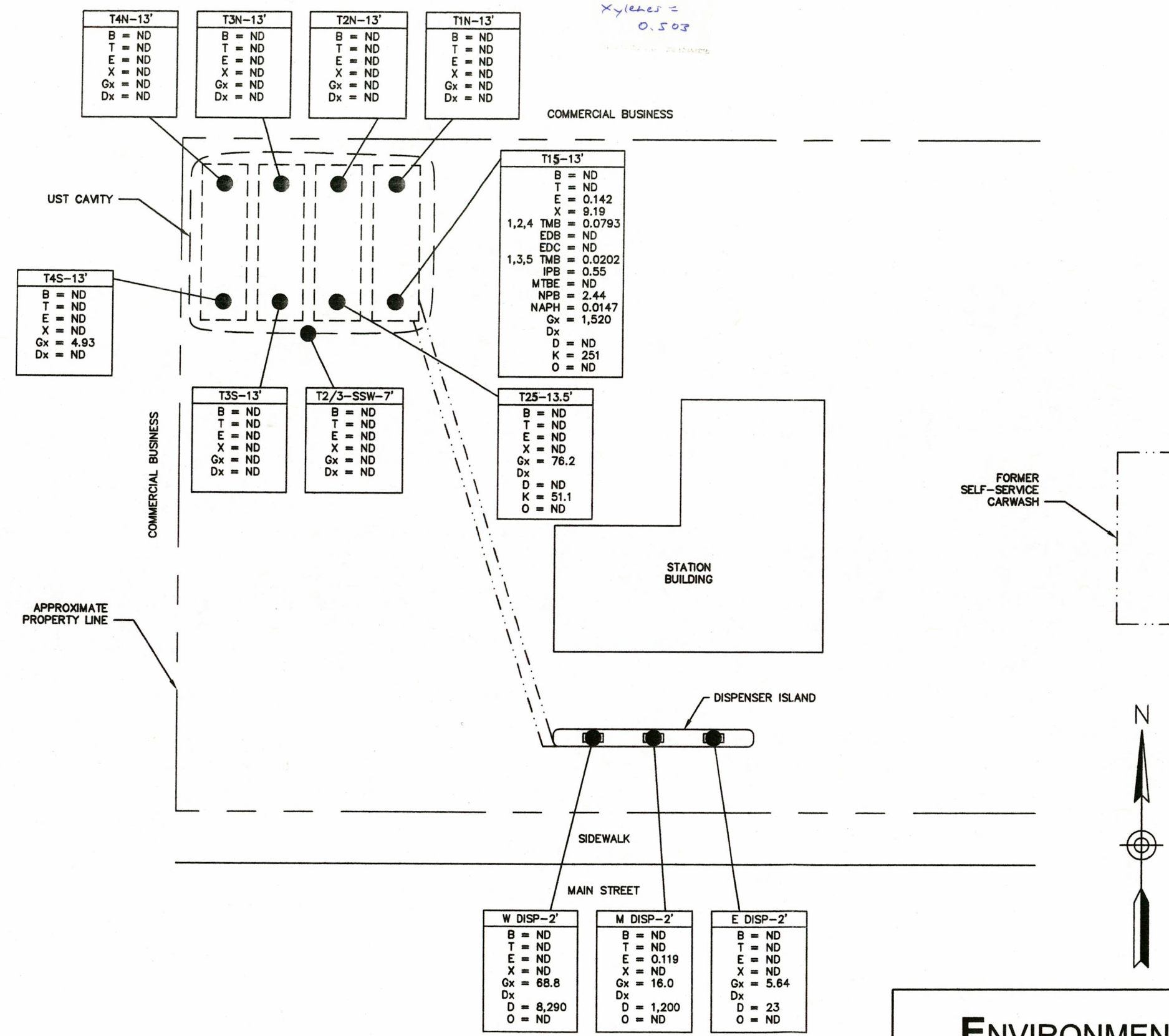
ANALYTICAL RESULTS MAP
 SITE ASSESSMENT

 KWIK GAS
 305 WEST MAIN STREET
 MOLALLA, OREGON

Project No. 05-106

FIGURE 3

TPH
T2-5-13.5'
Ethylbenzene
= 0.189
Xylenes =
0.503



LEGEND

- Soil Sample
- T1S-13' Sample Identification
- UST Underground Storage Tank
- [] Former UST
- - - Former Underground Product Piping Trench
- B Benzene
- T Toulene
- E Ethylbenzene
- X Total Xylenes
- TMB Trimethylbenzene
- EDB Ethylene Dibromide
- EDC Ethylene Dichloride
- IPB Isopropylbenzene
- MTBE Methyl-Tertiary Butyl Ether
- NPB N-Propylbenzene
- NAPH Naphthalene
- TPH-Gx Total Petroleum Hydrocarbons Gasoline - Range
- TPH-Dx Total Petroleum Hydrocarbons Diesel extended
- D Diesel
- K Kerosene
- O Lube Oil
- ND Not Detected

Results are in milligrams per kilogram (mg/kg)

0 10' 20' 40'

1"=20' Scale in Feet

**ENVIRONMENTAL
COMPLIANCE
NORTHWEST, INC.**

**ANALYTICAL RESULTS MAP
UST DECOMMISSIONING**

KWIK GAS
305 WEST MAIN STREET
MOLALLA, OREGON

APPENDIX A

Environmental
Compliance
Northwest, Inc.

LOG OF BORING B-1

(Page 1 of 1)

Molalla Kwik Gas
305 West Main Street
Molalla, Oregon

Date Started : 4/26/05
Date Completed : 4/26/05
Hole Diameter : 2-1/8"
Drilling Method : Direct-Push
Sampling Method : Macro-sampler

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

Project # 05106

Site Assessment

Depth in Feet	Blow Count	USCS	GRAPHIC	DESCRIPTION	Samples	Water Level	REMARKS
0				Sandy Gravel (fill): brownish gray, moist, fine to 3/4" gravel, fine to coarse gravel, no odor.			
		GW					
5				Sand: light brown, moist, very fine to coarse sand, some silt and gravel, petroleum odor.			
		SW					
10				Tuff at 10' Drilling refusal at 11'	1		
15							

Environmental
Compliance
Northwest, Inc.

LOG OF BORING B-2

(Page 1 of 1)

Molalla Kwik Gas
305 West Main Street
Molalla, Oregon

Date Started : 4/26/05
Date Completed : 4/26/05
Hole Diameter : 2-1/8"
Drilling Method : Direct-Push
Sampling Method : Macro-sampler

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

Project # 05106

Site Assessment

Depth in Feet	Blow Count	USCS	GRAPHIC	DESCRIPTION	Samples	Water Level	REMARKS
0				Sandy Gravel (fill): brownish gray, moist, no odor.			
		GW					
				Gravelly Sand: olive gray to brown, moist, fine to coarse sand, fine to 2" gravel, some silt. indistinct odor.			
5							
				Occasionally grades to silty sand			
		SW					
				Very moist to wet below 7'	1		
10							
				Drilling refusal at 13'			
15							

Environmental
Compliance
Northwest, Inc.

LOG OF BORING B-3

(Page 1 of 1)

Molalla Kwik Gas
305 West Main Street
Molalla, Oregon

Date Started : 4/26/05
Date Completed : 4/26/05
Hole Diameter : 2-1/8"
Drilling Method : Direct-Push
Sampling Method : Macro-sampler

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

Project # 05106

Site Assessment

Depth in Feet	Blow Count	USCS	GRAPHIC	DESCRIPTION	Samples	Water Level	REMARKS
0				Sandy Gravel (fill): brownish gray, moist, no odor.			
		GW					
				Gravelly/Silty Sand: gray brown to light brown, moist, fine to coarse sand, fine to coarse sand, fine to 1/2" gravel, weak petroleum odor.			
5							
		SW		wet at 6'	1		
				moist at 7'			
				grades to sandy gravel in places			
10							
				Tuff: bluish gray, dense.			
				Drilling refusal at 12'			
15							

(Page 1 of 1)

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

Depth in Feet	Blow Count	USCS	GRAPHIC	DESCRIPTION	Samples	Water Level	REMARKS
0				Silty Sand: brown, moist, very fine to fine sand, occasional gravel up to 2", no odor.			
					1		
5				wet at 6'			
					2		
				Gravelly/Silty Sand: gray to brownish gray, moist, very fine to coarse sand, fine to 2" gravel, no odor.			
10							
				Boring terminated at 12'			
15							

Environmental
Compliance
Northwest, Inc.

LOG OF BORING B-5

(Page 1 of 1)

Molalla Kwik Gas
305 West Main Street
Molalla, Oregon

Date Started : 4/26/05
Date Completed : 4/26/05
Hole Diameter : 2-1/8"
Drilling Method : Direct-Push
Sampling Method : Macro-sampler

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

Project # 05106

Site Assessment

Depth in Feet

Blow Count

USCS

GRAPHIC

DESCRIPTION

Samples

Water Level

REMARKS

0

GW

Gravel (fill): light brown, moist, fine to coarse sand, fine to 2" gravel, dense.

5

SM

Silty Sand: brownish gray, moist, fine to coarse sand, some gravel up to 2", no odor.

very moist at 7'

cohesive in places

10

Boring terminated at 12'

15

Environmental
Compliance
Northwest, Inc.

LOG OF BORING B-6

(Page 1 of 1)

Molalla Kwik Gas
305 West Main Street
Molalla, Oregon

Date Started : 4/26/05
Date Completed : 4/26/05
Hole Diameter : 2-1/8"
Drilling Method : Direct-Push
Sampling Method : Macro-sampler

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

Project # 05106

Site Assessment

Depth in Feet	Blow Count	USCS	GRAPHIC	DESCRIPTION	Samples	Water Level	REMARKS
0				Gravel (fill): light brown, moist, fine to coarse sand, fine to 2" gravel, dense.			
		GW					
				Sand/Gravelly Sand: light brown to brownish gray, moist, fine to coarse sand, fine to 1"+ gravel, medium dense, indistinct odor.			
5							
		SW		very moist at 6'	1		
				becomes tuffaceous below 7'			
10				petroleum odor at 9'	2		
				Drilling refusal at 11'			
15							

Environmental
Compliance
Northwest, Inc.

LOG OF BORING B-7

(Page 1 of 1)

Molalla Kwik Gas
305 West Main Street
Molalla, Oregon

Project # 05106

Site Assessment

Date Started : 4/26/05
Date Completed : 4/26/05
Hole Diameter : 2-1/8"
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

DESCRIPTION

Samples

Water Level

REMARKS

0

Asphalt (2"), gravel fill (9").

Silty Sand: brown, moist, very fine to coarse sand, medium dense, some fine to 1" gravel, no odor.

5

SM

becomes brownish gray at 7'

10

Drilling refusal at 12'

1

2

15

Environmental
Compliance
Northwest, Inc.

LOG OF BORING B-8

(Page 1 of 1)

Molalla Kwik Gas
305 West Main Street
Molalla, Oregon

Project # 05106

Site Assessment

Date Started : 4/26/05
Date Completed : 4/26/05
Hole Diameter : 2-1/8"
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

DESCRIPTION

Samples

Water Level

REMARKS

0

Asphalt (2"), gravel fill (16").

Silty Sand: brown, moist, very fine to coarse sand, medium dense, some gravel, occasionally grades to sandy silt, no odor.

5

SM

becomes brownish/greenish gray, weak odor at 7'

10

Boring terminated at 12'

1

15

Environmental
Compliance
Northwest, Inc.

LOG OF BORING B-9

(Page 1 of 1)

Molalla Kwik Gas
305 West Main Street
Molalla, Oregon

Project # 05106

Site Assessment

Date Started : 4/26/05
Date Completed : 4/26/05
Hole Diameter : 2-1/8"
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	DESCRIPTION	Samples	Water Level	REMARKS
0				Gravel (fill): grayish brown, moist, fine to 1" gravel, no odor.			
		GW					
				Sandy Silt: brown, moist, fine to coarse sand, occasional gravel, no odor.			
		ML					
5				Silty Sand: light to medium brown, moist, very fine to coarse sand, some gravel, no odor.			
		SM		becomes olive gray to to greenish gray, weak petroleum odor below 6'	1		
				Gravelly Sand: greenish gray, moist to wet, fine to coarse sand, fine to 2"+ gravel, loose to medium consolidated, indistinct odor.	2		
10		SW					
				Boring terminated at 12'			
15							

APPENDIX B

[illegible]

Specialty Analytical

Date:

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05106**Lab Order:** 0504106**Lab ID:** 0504106-14**Collection Date:** 4/26/2005 11:50:00 AM**Client Sample ID:** B-5-7'**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						Analyst: tlf
Diesel	ND	21.1		mg/Kg-dry	1	4/27/2005
Lube Oil	ND	70.4		mg/Kg-dry	1	4/27/2005
Surr: o-Terphenyl	78.4	50-150		%REC	1	4/27/2005
BTEX - RBC						Analyst: tlf
Benzene	ND	0.0352		mg/Kg-dry	1	4/27/2005
Toluene	ND	0.141		mg/Kg-dry	1	4/27/2005
Ethylbenzene	ND	0.141		mg/Kg-dry	1	4/27/2005
Xylenes, Total	ND	0.423		mg/Kg-dry	1	4/27/2005
Surr: 4-Bromofluorobenzene	124	42.6-126		%REC	1	4/27/2005
NWTPH-GX						Analyst: tlf
Gasoline	ND	3.52		mg/Kg-dry	1	4/27/2005
Surr: 4-Bromofluorobenzene	118	50-150		%REC	1	4/27/2005

Lab ID: 0504106-15**Collection Date:** 4/26/2005 12:10:00 PM**Client Sample ID:** B-6-3'**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST						Analyst: ADM
Hold	HOLD				1	4/28/2005

Lab ID: 0504106-16**Collection Date:** 4/26/2005 12:15:00 PM**Client Sample ID:** B-6-6'**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BTEX - RBC						Analyst: tlf
Benzene	ND	0.0321		mg/Kg-dry	1	4/27/2005
Toluene	ND	0.128		mg/Kg-dry	1	4/27/2005
Ethylbenzene	ND	0.128		mg/Kg-dry	1	4/27/2005
Xylenes, Total	ND	0.385		mg/Kg-dry	1	4/27/2005
Surr: 4-Bromofluorobenzene	122	42.6-126		%REC	1	4/27/2005
NWTPH-GX						Analyst: tlf
Gasoline	ND	3.21		mg/Kg-dry	1	4/27/2005
Surr: 4-Bromofluorobenzene	113	50-150		%REC	1	4/27/2005

Specialty Analytical

Date:

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05106

Lab Order: 0504106

Lab ID: 0504106-17

Collection Date: 4/26/2005 12:20:00 PM

Client Sample ID: B-6-9'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BTEX - RBC						
		SW8021B				Analyst: tlf
Benzene	ND	0.0363		mg/Kg-dry	1	4/27/2005
Toluene	ND	0.145		mg/Kg-dry	1	4/27/2005
Ethylbenzene	0.428	0.145		mg/Kg-dry	1	4/27/2005
Xylenes, Total	0.486	0.436		mg/Kg-dry	1	4/27/2005
Surr: 4-Bromofluorobenzene	118	42.6-126		%REC	1	4/27/2005
NWTPH-GX						
		NWTPH-GX				Analyst: tlf
Gasoline	29.4	3.63		mg/Kg-dry	1	4/27/2005
Surr: 4-Bromofluorobenzene	113	50-150		%REC	1	4/27/2005

Lab ID: 0504106-18

Collection Date: 4/26/2005 12:25:00 PM

Client Sample ID: B-6-11'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST						
		PER CLIENT				Analyst: ADM
Hold	HOLD				1	4/28/2005

Lab ID: 0504106-19

Collection Date: 4/26/2005 12:55:00 PM

Client Sample ID: B-7-3'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BTEX - RBC						
		SW8021B				Analyst: tlf
Benzene	ND	0.0317		mg/Kg-dry	1	5/4/2005
Toluene	ND	0.127		mg/Kg-dry	1	5/4/2005
Ethylbenzene	ND	0.127		mg/Kg-dry	1	5/4/2005
Xylenes, Total	ND	0.381		mg/Kg-dry	1	5/4/2005
Surr: 4-Bromofluorobenzene	122	42.6-126		%REC	1	5/4/2005
NWTPH-GX						
		NWTPH-GX				Analyst: tlf
Gasoline	ND	3.17		mg/Kg-dry	1	5/4/2005
Surr: 4-Bromofluorobenzene	97.3	50-150		%REC	1	5/4/2005

Specialty Analytical

Date:

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05106

Lab Order: 0504106

Lab ID: 0504106-20

Collection Date: 4/26/2005 1:00:00 PM

Client Sample ID: B-7-7'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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HOLD PER CLIENT REQUEST

PER CLIENT

Analyst: ADM

Hold

HOLD

1

4/28/2005

Lab ID: 0504106-21

Collection Date: 4/26/2005 1:10:00 PM

Client Sample ID: B-7-11'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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BTEX - RBC

SW8021B

Analyst: ttf

Benzene

ND

0.0321

mg/Kg-dry

1

4/27/2005

Toluene

0.696

0.128

mg/Kg-dry

1

4/27/2005

Ethylbenzene

3.29

0.128

mg/Kg-dry

1

4/27/2005

Xylenes, Total

6.51

0.385

mg/Kg-dry

1

4/27/2005

Surr: 4-Bromofluorobenzene

179

42.6-126 S,MI

%REC

1

4/27/2005

NWTPH-GX

NWTPH-GX

Analyst: ttf

Gasoline

1260

32.1

mg/Kg-dry

10

4/27/2005

Surr: 4-Bromofluorobenzene

53.6

50-150

%REC

10

4/27/2005

Lab ID: 0504106-22

Collection Date: 4/26/2005 1:20:00 PM

Client Sample ID: B-8-3'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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HOLD PER CLIENT REQUEST

PER CLIENT

Analyst: ADM

Hold

HOLD

1

4/28/2005

Lab ID: 0504106-23

Collection Date: 4/26/2005 1:25:00 PM

Client Sample ID: B-8-7'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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HOLD PER CLIENT REQUEST

PER CLIENT

Analyst: ADM

Hold

HOLD

1

4/28/2005

Specialty Analytical

Date:

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05106

Lab Order: 0504106

Lab ID: 0504106-24

Collection Date: 4/26/2005 1:30:00 PM

Client Sample ID: B-8-11'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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BTEX - RBC

SW8021B

Analyst: tlf

Benzene	ND	0.0311		mg/Kg-dry	1	4/27/2005
Toluene	0.463	0.124		mg/Kg-dry	1	4/27/2005
Ethylbenzene	0.651	0.124		mg/Kg-dry	1	4/27/2005
Xylenes, Total	2.75	0.373		mg/Kg-dry	1	4/27/2005
Surr: 4-Bromofluorobenzene	155	42.6-126	S,MI	%REC	1	4/27/2005

NWTPH-GX

NWTPH-GX

Analyst: tlf

Gasoline	339	31.1		mg/Kg-dry	10	4/27/2005
Surr: 4-Bromofluorobenzene	31.2	50-150	S,D	%REC	10	4/27/2005

Lab ID: 0504106-25

Collection Date: 4/26/2005 1:45:00 PM

Client Sample ID: B-9-3'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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HOLD PER CLIENT REQUEST

PER CLIENT

Analyst: ADM

Hold	HOLD				1	4/28/2005
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Lab ID: 0504106-26

Collection Date: 4/26/2005 1:50:00 PM

Client Sample ID: B-9-6'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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BTEX - RBC

SW8021B

Analyst: tlf

Benzene	ND	0.0328		mg/Kg-dry	1	4/27/2005
Toluene	ND	0.131		mg/Kg-dry	1	4/27/2005
Ethylbenzene	ND	0.131		mg/Kg-dry	1	4/27/2005
Xylenes, Total	ND	0.393		mg/Kg-dry	1	4/27/2005
Surr: 4-Bromofluorobenzene	128	42.6-126	S	%REC	1	4/27/2005

NWTPH-GX

NWTPH-GX

Analyst: tlf

Gasoline	11.7	3.28		mg/Kg-dry	1	4/27/2005
Surr: 4-Bromofluorobenzene	124	50-150		%REC	1	4/27/2005

Specialty Analytical

Date:

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05106

Lab Order: 0504106

Lab ID: 0504106-27

Collection Date: 4/26/2005 1:55:00 PM

Client Sample ID: B-9-9'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BTEX - RBC						
SW8021B						
Analyst: tlf						
Benzene	ND	0.0353		mg/Kg-dry	1	4/27/2005
Toluene	ND	0.141		mg/Kg-dry	1	4/27/2005
Ethylbenzene	ND	0.141		mg/Kg-dry	1	4/27/2005
Xylenes, Total	ND	0.423		mg/Kg-dry	1	4/27/2005
Surr: 4-Bromofluorobenzene	107	42.6-126		%REC	1	4/27/2005
NWTPH-GX						
NWTPH-GX						
Analyst: tlf						
Gasoline	21.9	3.53		mg/Kg-dry	1	4/27/2005
Surr: 4-Bromofluorobenzene	97.8	50-150		%REC	1	4/27/2005

Specialty Analytical

Date:

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05106

Lab Order: 0504106

Lab ID: 0504106-28

Collection Date: 4/26/2005 9:05:00 AM

Client Sample ID: B-1-W

Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BTEX - RBC						
		SW8021B				Analyst: tlf
Benzene	108	0.400		µg/L	200	4/27/2005
Toluene	49500	500		µg/L	1000	4/28/2005
Ethylbenzene	23.5	0.500		µg/L	200	4/27/2005
Xylenes, Total	135	1.50		µg/L	200	4/27/2005
Surr: 4-Bromofluorobenzene	98.6	74.8-126		%REC	200	4/27/2005
Surr: 4-Bromofluorobenzene	107	74.8-126		%REC	1000	4/28/2005
NWTPH-GX						
		NWTPH-GX				Analyst: tlf
Gasoline	160000	20000		µg/L	200	4/27/2005
Surr: BFB	104	50-150		%REC	200	4/27/2005
LOW LEVEL PAH BY GC/MS OARSIM						
		8270SIM				Analyst: bda
Acenaphthene	27.0	0.259		µg/L	1	4/28/2005 6:44:00 PM
Acenaphthylene	16.0	0.259		µg/L	1	4/28/2005 6:44:00 PM
Anthracene	31.5	0.259		µg/L	1	4/28/2005 6:44:00 PM
Benz(a)anthracene	13.8	0.259		µg/L	1	4/28/2005 6:44:00 PM
Benzo(a)pyrene	8.07	0.259		µg/L	1	4/28/2005 6:44:00 PM
Benzo(b)fluoranthene	3.62	0.259		µg/L	1	4/28/2005 6:44:00 PM
Benzo(g,h,i)perylene	6.41	0.259		µg/L	1	4/28/2005 6:44:00 PM
Benzo(k)fluoranthene	1.60	0.259		µg/L	1	4/28/2005 6:44:00 PM
Chrysene	6.83	0.259		µg/L	1	4/28/2005 6:44:00 PM
Dibenz(a,h)anthracene	0.724	0.259		µg/L	1	4/28/2005 6:44:00 PM
Fluoranthene	14.3	0.259		µg/L	1	4/28/2005 6:44:00 PM
Fluorene	37.7	0.259		µg/L	1	4/28/2005 6:44:00 PM
Indeno(1,2,3-cd)pyrene	1.96	0.259		µg/L	1	4/28/2005 6:44:00 PM
Naphthalene	6640	51.7		µg/L	200	4/29/2005 10:34:00 AM
Phenanthrene	58.8	0.259		µg/L	1	4/28/2005 6:44:00 PM
Pyrene	25.4	0.259		µg/L	1	4/28/2005 6:44:00 PM
Surr: 2-Fluorobiphenyl	96.0	18.6-106		%REC	1	4/28/2005 6:44:00 PM
Surr: Nitrobenzene-d5	195	17-130	S,MI	%REC	1	4/28/2005 6:44:00 PM
Surr: p-Terphenyl-d14	131	39.6-131	S,MI	%REC	1	4/28/2005 6:44:00 PM

Specialty Analytical

Date:

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05106

Lab Order: 0504106

Lab ID: 0504106-29

Collection Date: 4/26/2005 10:15:00 AM

Client Sample ID: B-2-W

Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BTEX - RBC						
		SW8021B				Analyst: tlf
Benzene	3450	20.0		µg/L	50	4/27/2005
Toluene	60.0	5.00		µg/L	10	4/28/2005
Ethylbenzene	239	5.00		µg/L	10	4/28/2005
Xylenes, Total	612	15.0		µg/L	10	4/28/2005
Surr: 4-Bromofluorobenzene	97.2	74.8-126		%REC	50	4/27/2005
Surr: 4-Bromofluorobenzene	103	74.8-126		%REC	10	4/28/2005
NWTPH-GX						
		NWTPH-GX				Analyst: tlf
Gasoline	13800	1000		µg/L	10	4/27/2005
Surr: BFB	127	50-150		%REC	10	4/27/2005
LOW LEVEL PAH BY GC/MS OARSIM						
		8270SIM				Analyst: bda
Acenaphthene	0.342	0.0503		µg/L	1	4/28/2005 5:41:00 PM
Acenaphthylene	0.141	0.0503		µg/L	1	4/28/2005 5:41:00 PM
Anthracene	ND	0.0503		µg/L	1	4/28/2005 5:41:00 PM
Benz(a)anthracene	ND	0.0503		µg/L	1	4/28/2005 5:41:00 PM
Benzo(a)pyrene	ND	0.0503		µg/L	1	4/28/2005 5:41:00 PM
Benzo(b)fluoranthene	ND	0.0503		µg/L	1	4/28/2005 5:41:00 PM
Benzo(g,h,i)perylene	ND	0.0503		µg/L	1	4/28/2005 5:41:00 PM
Benzo(k)fluoranthene	ND	0.0503		µg/L	1	4/28/2005 5:41:00 PM
Chrysene	ND	0.0503		µg/L	1	4/28/2005 5:41:00 PM
Dibenz(a,h)anthracene	ND	0.0503		µg/L	1	4/28/2005 5:41:00 PM
Fluoranthene	ND	0.0503		µg/L	1	4/28/2005 5:41:00 PM
Fluorene	0.714	0.0503		µg/L	1	4/28/2005 5:41:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.0503		µg/L	1	4/28/2005 5:41:00 PM
Naphthalene	16.5	0.0503		µg/L	1	4/28/2005 5:41:00 PM
Phenanthrene	0.543	0.0503		µg/L	1	4/28/2005 5:41:00 PM
Pyrene	ND	0.0503		µg/L	1	4/28/2005 5:41:00 PM
Surr: 2-Fluorobiphenyl	60.5	18.6-106		%REC	1	4/28/2005 5:41:00 PM
Surr: Nitrobenzene-d5	72.9	17-130		%REC	1	4/28/2005 5:41:00 PM
Surr: p-Terphenyl-d14	96.4	39.6-131		%REC	1	4/28/2005 5:41:00 PM

Specialty Analytical

Date:

CLIENT: Environmental Compliance Northwest, Inc.

Lab Order: 0504106

Project: Powell-Molalla / 05106

Lab ID: 0504106-30

Collection Date: 4/26/2005 11:10:00 AM

Client Sample ID: B-3-W

Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX		NWTPH-DX				Analyst: tlf
Diesel	3.26	0.250	L	mg/L	1	4/27/2005
Lube Oil	ND	0.500		mg/L	1	4/27/2005
Surr: o-Terphenyl	58.7	50-150		%REC	1	4/27/2005
BTEX - RBC		SW8021B				Analyst: tlf
Benzene	41.3	4.00		µg/L	10	4/28/2005
Toluene	59.0	5.00		µg/L	10	4/28/2005
Ethylbenzene	155	5.00		µg/L	10	4/28/2005
Xylenes, Total	670	15.0		µg/L	10	4/28/2005
Surr: 4-Bromofluorobenzene	118	74.8-126		%REC	10	4/28/2005
NWTPH-GX		NWTPH-GX				Analyst: tlf
Gasoline	40000	1000		µg/L	10	4/27/2005
Surr: BFB	134	50-150		%REC	10	4/27/2005
LOW LEVEL PAH BY GC/MS OARSIM		8270SIM				Analyst: bda
Acenaphthene	0.359	0.0513		µg/L	1	4/28/2005 6:12:00 PM
Acenaphthylene	0.123	0.0513		µg/L	1	4/28/2005 6:12:00 PM
Anthracene	0.0513	0.0513		µg/L	1	4/28/2005 6:12:00 PM
Benz(a)anthracene	ND	0.0513		µg/L	1	4/28/2005 6:12:00 PM
Benzo(a)pyrene	ND	0.0513		µg/L	1	4/28/2005 6:12:00 PM
Benzo(b)fluoranthene	ND	0.0513		µg/L	1	4/28/2005 6:12:00 PM
Benzo(g,h,i)perylene	ND	0.0513		µg/L	1	4/28/2005 6:12:00 PM
Benzo(k)fluoranthene	ND	0.0513		µg/L	1	4/28/2005 6:12:00 PM
Chrysene	ND	0.0513		µg/L	1	4/28/2005 6:12:00 PM
Dibenz(a,h)anthracene	ND	0.0513		µg/L	1	4/28/2005 6:12:00 PM
Fluoranthene	ND	0.0513		µg/L	1	4/28/2005 6:12:00 PM
Fluorene	1.16	0.0513		µg/L	1	4/28/2005 6:12:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.0513		µg/L	1	4/28/2005 6:12:00 PM
Naphthalene	93.0	0.513		µg/L	10	4/29/2005 9:31:00 AM
Phenanthrene	0.226	0.0513		µg/L	1	4/28/2005 6:12:00 PM
Pyrene	ND	0.0513		µg/L	1	4/28/2005 6:12:00 PM
Surr: 2-Fluorobiphenyl	53.6	18.6-106		%REC	1	4/28/2005 6:12:00 PM
Surr: Nitrobenzene-d5	74.1	17-130		%REC	1	4/28/2005 6:12:00 PM
Surr: p-Terphenyl-d14	103	39.6-131		%REC	1	4/28/2005 6:12:00 PM

Specialty Analytical

Date:

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05106

Lab Order: 0504106

Lab ID: 0504106-31

Collection Date: 4/26/2005 2:30:00 PM

Client Sample ID: B-9-W

Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						
NWTPH-DX						
Diesel	2.83	0.255	L	mg/L	1	4/27/2005
Lube Oil	ND	0.509		mg/L	1	4/27/2005
Surr: o-Terphenyl	76.0	50-150		%REC	1	4/27/2005
BTEX - RBC						
SW8021B						
Benzene	82.3	0.400		µg/L	1	4/27/2005
Toluene	9.81	0.500		µg/L	1	4/27/2005
Ethylbenzene	131	5.00		µg/L	10	4/27/2005
Xylenes, Total	76.6	1.50		µg/L	1	4/27/2005
Surr: 4-Bromofluorobenzene	103	74.8-126		%REC	10	4/27/2005
Surr: 4-Bromofluorobenzene	137	74.8-126	S,MI	%REC	1	4/27/2005
NWTPH-GX						
NWTPH-GX						
Gasoline	9170	1000		µg/L	10	4/27/2005
Surr: BFB	108	50-150		%REC	10	4/27/2005
LOW LEVEL PAH BY GC/MS OARSIM						
8270SIM						
Acenaphthene	0.220	0.0500		µg/L	1	4/28/2005 5:09:00 PM
Acenaphthylene	0.0900	0.0500		µg/L	1	4/28/2005 5:09:00 PM
Anthracene	ND	0.0500		µg/L	1	4/28/2005 5:09:00 PM
Benz(a)anthracene	ND	0.0500		µg/L	1	4/28/2005 5:09:00 PM
Benzo(a)pyrene	ND	0.0500		µg/L	1	4/28/2005 5:09:00 PM
Benzo(b)fluoranthene	ND	0.0500		µg/L	1	4/28/2005 5:09:00 PM
Benzo(g,h,i)perylene	ND	0.0500		µg/L	1	4/28/2005 5:09:00 PM
Benzo(k)fluoranthene	ND	0.0500		µg/L	1	4/28/2005 5:09:00 PM
Chrysene	ND	0.0500		µg/L	1	4/28/2005 5:09:00 PM
Dibenz(a,h)anthracene	ND	0.0500		µg/L	1	4/28/2005 5:09:00 PM
Fluoranthene	ND	0.0500		µg/L	1	4/28/2005 5:09:00 PM
Fluorene	0.760	0.0500		µg/L	1	4/28/2005 5:09:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.0500		µg/L	1	4/28/2005 5:09:00 PM
Naphthalene	106	0.500		µg/L	10	4/29/2005 10:02:00 AM
Phenanthrene	0.220	0.0500		µg/L	1	4/28/2005 5:09:00 PM
Pyrene	ND	0.0500		µg/L	1	4/28/2005 5:09:00 PM
Surr: 2-Fluorobiphenyl	62.2	18.6-106		%REC	1	4/28/2005 5:09:00 PM
Surr: Nitrobenzene-d5	71.4	17-130		%REC	1	4/28/2005 5:09:00 PM
Surr: p-Terphenyl-d14	119	39.6-131		%REC	1	4/28/2005 5:09:00 PM

Specialty Analytical

Date: 06-May-05

CLIENT: Environmental Compliance Northwest, Inc.
 WorkOrder: 0504106
 Project: Powell-Molalla/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEXRBC_S

Sample ID	MBLK	SampType:	MBLK	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:	4/27/2005	Run ID:	GC-I_050427B
Client ID:	ZZZZZ	Batch ID:	13287	TestNo:	SW8021B			Analysis Date:	4/27/2005	SeqNo:	321946
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.0045	0.0250									J
Toluene	0.009	0.100									J
Ethylbenzene	0.0045	0.100									J
Xylenes, Total	0.034	0.300									J
Surr:4-Bromofluorobenzene	4.981	0	5	0	99.6	42.6	126	0	0		

Sample ID	MBLK	SampType:	MBLK	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:	5/4/2005	Run ID:	GC-I_050504B
Client ID:	ZZZZZ	Batch ID:	13336	TestNo:	SW8021B			Analysis Date:	5/4/2005	SeqNo:	323375
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.006	0.0250									J
Toluene	0.0235	0.100									J
Ethylbenzene	0.0055	0.100									J
Xylenes, Total	0.0435	0.300									J
Surr:4-Bromofluorobenzene	6.715	0.0500	5	0	134	42.6	126	0	0		S

Sample ID	LCS	SampType:	LCS	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:	4/27/2005	Run ID:	GC-I_050427B
Client ID:	ZZZZZ	Batch ID:	13287	TestNo:	SW8021B			Analysis Date:	4/27/2005	SeqNo:	321947
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.032	0.0250	1.25	0.0045	82.2	68.7	117	0	0		
Toluene	1.154	0.100	1.25	0.009	91.6	71.4	115	0	0		
Ethylbenzene	1.212	0.100	1.25	0.0045	96.6	76.3	115	0	0		
Xylenes, Total	3.704	0.300	3.75	0.034	97.9	70.1	116	0	0		

Sample ID	LCS	SampType:	LCS	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:	5/4/2005	Run ID:	GC-I_050504B
Client ID:	ZZZZZ	Batch ID:	13336	TestNo:	SW8021B			Analysis Date:	5/4/2005	SeqNo:	323376
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.
WorkOrder: 0504106
Project: Powell-Molalla/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEXRBC_S

Sample ID	LCS	SampType:	LCS	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:	5/4/2005	Run ID:	GC-I_050504B
Client ID:	ZZZZZ	Batch ID:	13336	TestNo:	SW8021B			Analysis Date:	5/4/2005	SeqNo:	323376
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.215	0.0250	1.25	0.006	96.7	68.7	117	0	0		
Toluene	1.363	0.100	1.25	0.0235	107	71.4	115	0	0		
Ethylbenzene	1.404	0.100	1.25	0.0055	112	76.3	115	0	0		
Xylenes, Total	4.358	0.300	3.75	0.0435	115	70.1	116	0	0		

Sample ID	0504106-27AMS	SampType:	MS	TestCode:	BTEXRBC_S	Units:	mg/Kg-dry	Prep Date:	4/27/2005	Run ID:	GC-I_050427B
Client ID:	B-9-9'	Batch ID:	13287	TestNo:	SW8021B			Analysis Date:	4/27/2005	SeqNo:	321961
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.468	0.0353	1.763	0.00141	83.2	32.2	108	0	0		
Toluene	1.556	0.141	1.763	0.04302	85.8	56.7	101	0	0		
Ethylbenzene	1.768	0.141	1.763	0.08322	95.6	53.3	107	0	0		
Xylenes, Total	5.108	0.423	5.289	0.1559	93.6	47.5	119	0	0		

Sample ID	0504117-01AMS	SampType:	MS	TestCode:	BTEXRBC_S	Units:	mg/Kg-dry	Prep Date:	5/4/2005	Run ID:	GC-I_050504B
Client ID:	ZZZZZ	Batch ID:	13336	TestNo:	SW8021B			Analysis Date:	5/4/2005	SeqNo:	323384
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	3.591	0.0302	1.511	3.676	-5.64	32.2	108	0	0		S
Toluene	15.58	0.121	1.511	20.15	-302	56.7	101	0	0		SMC
Ethylbenzene	9.172	0.121	1.511	11.47	-152	53.3	107	0	0		SMC
Xylenes, Total	47.05	0.363	4.534	65.13	-399	47.5	119	0	0		SMC

Sample ID	0504106-27AMSD	SampType:	MSD	TestCode:	BTEXRBC_S	Units:	mg/Kg-dry	Prep Date:	4/27/2005	Run ID:	GC-I_050427B
Client ID:	B-9-9'	Batch ID:	13287	TestNo:	SW8021B			Analysis Date:	4/27/2005	SeqNo:	321962
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.424	0.0353	1.763	0.00141	80.7	32.2	108	1.468	3.07	20	
Toluene	1.513	0.141	1.763	0.04302	83.4	56.7	101	1.556	2.80	20	
Ethylbenzene	1.742	0.141	1.763	0.08322	94.1	53.3	107	1.768	1.49	20	
Xylenes, Total	5.001	0.423	5.289	0.1559	91.6	47.5	119	5.108	2.12	20	

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.
WorkOrder: 0504106
Project: Powell-Molalla/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEXRBC_S

Sample ID	0504117-01AMSD	SampType:	MSD	TestCode:	BTEXRBC_S	Units:	mg/Kg-dry	Prep Date:	5/4/2005	Run ID:	GC-I_050504B
Client ID:	ZZZZZ	Batch ID:	13336	TestNo:	SW8021B			Analysis Date:	5/4/2005	SeqNo:	323385
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	4.261	0.0302	1.511	3.676	38.7	32.2	108	3.591	17.1	20	
Toluene	18.19	0.121	1.511	20.15	-129	56.7	101	15.58	15.5	20	SMC
Ethylbenzene	10.55	0.121	1.511	11.47	-61.1	53.3	107	9.172	13.9	20	SMC
Xylenes, Total	53.75	0.363	4.534	65.13	-251	47.5	119	47.05	13.3	20	SMC

Sample ID	CCV	SampType:	CCV	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_050427B
Client ID:	ZZZZZ	Batch ID:	13287	TestNo:	SW8021B			Analysis Date:	4/27/2005	SeqNo:	321948
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2.567	0.0250	2.5	0	103	85	115	0	0		
Toluene	2.626	0.100	2.5	0	105	85	115	0	0		
Ethylbenzene	2.571	0.100	2.5	0	103	85	115	0	0		
Xylenes, Total	7.766	0.300	7.5	0	104	85	115	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_050427B
Client ID:	ZZZZZ	Batch ID:	13287	TestNo:	SW8021B			Analysis Date:	4/27/2005	SeqNo:	321963
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2.574	0.0250	2.5	0	103	85	115	0	0		
Toluene	2.542	0.100	2.5	0	102	85	115	0	0		
Ethylbenzene	2.61	0.100	2.5	0	104	85	115	0	0		
Xylenes, Total	7.824	0.300	7.5	0	104	85	115	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_050504B
Client ID:	ZZZZZ	Batch ID:	13336	TestNo:	SW8021B			Analysis Date:	5/4/2005	SeqNo:	323377
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2.59	0.0250	2.5	0	104	85	115	0	0		
Toluene	2.58	0.100	2.5	0	103	85	115	0	0		
Ethylbenzene	2.55	0.100	2.5	0	102	85	115	0	0		
Xylenes, Total	7.764	0.300	7.5	0	104	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.
WorkOrder: 0504106
Project: Powell-Molalla/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEXRBC_W

Sample ID	MBLK	SampType:	MBLK	TestCode:	BTEXRBC_W	Units:	µg/L	Prep Date:	4/27/2005	Run ID:	GC-H_050427B			
Client ID:	ZZZZZ	Batch ID:	13289	TestNo:	SW8021B			Analysis Date:	4/27/2005	SeqNo:	321999			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		ND		0.400										
Toluene		ND		0.500										
Ethylbenzene		0.06		0.500										
Xylenes, Total		ND		1.50										J
Surr:4-Bromofluorobenzene		98.53		1.00	100	0		98.5	74.8	126	0	0		

Sample ID	MBLK	SampType:	MBLK	TestCode:	BTEXRBC_W	Units:	µg/L	Prep Date:	4/27/2005	Run ID:	GC-H_050428A			
Client ID:	ZZZZZ	Batch ID:	13289	TestNo:	SW8021B			Analysis Date:	4/28/2005	SeqNo:	322244			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		ND		0.400										
Toluene		ND		0.500										
Ethylbenzene		0.07		0.500										
Xylenes, Total		ND		1.50										J
Surr:4-Bromofluorobenzene		99.04		1.00	100	0		99	74.8	126	0	0		

Sample ID	LCS	SampType:	LCS	TestCode:	BTEXRBC_W	Units:	µg/L	Prep Date:	4/27/2005	Run ID:	GC-H_050427B			
Client ID:	ZZZZZ	Batch ID:	13289	TestNo:	SW8021B			Analysis Date:	4/27/2005	SeqNo:	322000			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		25.87		0.400	25	0		103	75.8	113	0	0		
Toluene		25.2		0.500	25	0		101	77	116	0	0		
Ethylbenzene		24.49		0.500	25	0.06		97.7	76.6	118	0	0		
Xylenes, Total		75.39		1.50	75	0		101	76.7	118	0	0		

Sample ID	0504106-31AMS	SampType:	MS	TestCode:	BTEXRBC_W	Units:	µg/L	Prep Date:	4/27/2005	Run ID:	GC-H_050427B			
Client ID:	B-9-W	Batch ID:	13289	TestNo:	SW8021B			Analysis Date:	4/27/2005	SeqNo:	322006			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		80.74		0.400	20	82.3		-7.8	67.8	118	0	0		S,MC
Toluene		26.4		0.500	20	9.81		83	74.7	117	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.
WorkOrder: 0504106
Project: Powell-Molalla/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEXRBC_W

Sample ID	0504106-31AMS	SampType:	MS	TestCode:	BTEXRBC_W	Units:	µg/L	Prep Date:	4/27/2005	Run ID:	GC-H_050427B	
Client ID:	B-9-W	Batch ID:	13289	TestNo:	SW8021B			Analysis Date:	4/27/2005	SeqNo:	322006	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene		150.0	0.005									

Ethylbenzene	159.2	0.500	20	151	40.7	74.5	115	0	0		SMC
Xylenes, Total	126.5	1.50	60	76.57	83.2	76.8	120	0	0		

Sample ID	0504106-31AMSD	SampType:	MSD	TestCode:	BTEXRBC_W	Units:	µg/L	Prep Date:	4/27/2005	Run ID:	GC-H_050427B		
Client ID:	B-9-W	Batch ID:	13289	TestNo:	SW8021B			Analysis Date:	4/27/2005	SeqNo:	322007		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	78.83	0.400	20	82.3	-17.4	67.8	118	80.74	2.39	20	SMC
Toluene	28.31	0.500	20	9.81	92.5	74.7	117	26.4	6.98	20	
Ethylbenzene	162.4	0.500	20	151	56.8	74.5	115	159.2	2.01	20	SMC
Xylenes, Total	132.9	1.50	60	76.57	93.9	76.8	120	126.5	4.96	20	

Sample ID	CCV	SampType:	CCV	TestCode:	BTEXRBC_W	Units:	µg/L	Prep Date:		Run ID:	GC-H_050427B		
Client ID:	ZZZZZ	Batch ID:	13289	TestNo:	SW8021B			Analysis Date:	4/27/2005	SeqNo:	322001		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	58.76	0.400	60	0	97.9	85	115	0	0		
Toluene	55.83	0.500	60	0	93	85	115	0	0		
Ethylbenzene	54.68	0.500	60	0	91.1	85	115	0	0		
Xylenes, Total	164.7	1.50	180	0	91.5	85	115	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	BTEXRBC_W	Units:	µg/L	Prep Date:		Run ID:	GC-H_050428A	
Client ID:	ZZZZZ	Batch ID:	13289	TestNo:	SW8021B			Analysis Date:	4/28/2005	SeqNo:	322245	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	40.47	0.400	40	0	101	85	115	0	0		
Toluene	39.18	0.500	40	0	98	85	115	0	0		
Ethylbenzene	39.85	0.500	40	0	99.6	85	115	0	0		
Xylenes, Total	121.3	1.50	120	0	101	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



OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY UNDERGROUND STORAGE TANK PROGRAM

UNDERGROUND STORAGE TANK DECOMMISSIONING CHECKLIST AND SITE ASSESSMENT REPORT

A. FACILITY INFORMATION:

This report **MUST** be submitted by the underground storage tank permittee or tank owner, or the licensed DEQ Service Provider on their behalf, **within 30 days following completion of the tank decommissioning or change-in-service regardless of ongoing cleanup work.**

UST
DEQ FACILITY NUMBER: 6024
FACILITY NAME: Molalla Kwik Gas
FACILITY ADDRESS: 307 S. Main (Actually 305 W. Main Street)
Molalla, OR 97038
PERMITTEE PHONE: _____ DATE: 4/2/07

B. WORK PERFORMED BY:

The checklist and site assessment report should be completed and signed by the DEQ licensed supervisor and signed by an executive officer of the DEQ licensed Service Provider on page 6. The tank owner or permittee must review and sign the report on page 6. **NOTE: AN OWNER OR PERMITTEE MAY PERFORM UST SERVICES ONLY IF THEY HAVE TAKEN AND PASSED THE APPROPRIATE UST SUPERVISOR EXAMINATION OFFERED BY A NATIONAL TESTING SERVICE (SEE OAR 340-150-0156 for requirements).**

DEQ Service Provider's License #: 26252 Construction Contractors Board License #: 163813
Name: NW Tank Lining & Inspection
Telephone: 360-253-3619
DEQ Decommissioning Supervisor's License #: _____
Name: John Day
Telephone: 503-372-9760
DEQ Soil Matrix Service Provider's License #: _____ (If applicable)
Name: Env. Compliance NW, Inc.
Telephone: 503-372-9760
DEQ Soil Matrix Supervisor's License #: 12548 (If applicable)
Name: John Day
Telephone: 503-372-9760

C. DATES:

Decommissioning/Change-in-Service Notice - Date Submitted: 9/15/06 (30 days before work starts).

Work Start Telephone Notice - Date Submitted: 9/18/06 (3 working days before work starts).

DEQ Person Notified: Greg Toran

Date Work Started: 9/24/06 Date Work Completed: 10/6/06

Note: Provide the following information if any soil or water contamination is found during the decommissioning or change-in-service. Contamination must be reported by the UST permittee within 24 hours. The licensed service provider must report contamination within 72 hours after discovery unless previously reported.

Date Contamination Reported: 3/15/05 By: (producer piping)

DEQ Person Notified: Duty Officer

D. OTHER DEQ PERMITS MAY BE NEEDED WHERE SOIL OR WATER CLEANUP IS REQUIRED.

N/A

DEQ Water Discharge Permit #: _____ Date: _____

Water Disposed to (Location): _____

DEQ Solid Waste Disposal Permit #: _____ Date: _____

Soil Disposal or Treatment Location: Hillsboro Landfill

E. TANK INFORMATION:

TANK ID #	DEQ-UST PERMIT #	TANK SIZE IN GALLONS	PRODUCT: GASOLINE, DIESEL, USED OIL, OTHER?		CLOSURE OR CHANGE-IN-SERVICE?			TANK TO BE REPLACED?	
			PRESENT	NEW	TANK REMOVAL	CLOSURE IN PLACE ♦	CHANGE IN SERVICE ♦	YES*	NO
4	ABCEZ	10,000	Gas		✓				✓
3	ABCEE	10,000	Diesel		✓				✓
2	ABCEF	10,000	Gas		✓				✓
1	ABCEG	10,000	Gas		✓				✓

NOTE 1: Where decommissioned tank(s) are replaced by new underground storage tanks the UST permittee must submit a *General Permit Registration Form to Install and Operate USTs* containing information on the new tanks 30 days before installing them.

NOTE 2: Submit a soil sampling plan to the DEQ regional office and receive plan approval prior to starting work if 1) tank is to be decommissioned in-place, 2) tank contents are changed to a non-regulated substance, 3) tank contains a regulated substance other than petroleum, or 4) tank changed to non-regulated use.

F. DISPOSAL INFORMATION:

TANK ID #	TANK AND PIPING DISPOSAL METHOD				DISPOSAL LOCATION OF TANK CONTENTS	
	SCRAP	LAND-FILL	OTHER	IDENTIFY LOCATION & PROPERTY OWNER	LIQUIDS *	SLUDGES *
1	✓			Charged City metals system, OR	N/A	N/A
2	✓			↓	N/A	N/A
3	✓				N/A	N/A
4	✓				N/A	N/A

NOTE 1: The tank contents, the tank and the piping may be subject to the requirements of Hazardous Waste regulations. If you have questions, contact the DEQ regional office for your area.

NOTE 2: Attach copies of the disposal receipts for the tanks and piping. If the tanks are shipped off-site for reuse provide the name, address and phone number of the person or business receiving the tanks for reuse.

NOTE 3: Attach copies of the disposal receipts for the disposal or treatment of liquid or sludge removed from the tanks

G. CONTAMINATION INFORMATION:

TANK ID #	GROUND * WATER IN PIT ?	PRODUCT ODOR IN SOIL ?	PRODUCT STAINS IN SOIL ?	NUMBER OF SAMPLES	LABORATORY (NAME, CITY, STATE, PHONE)
1	NO	YES	YES	1	SPECIALTY ANALYTICAL TUALATIN, OR 503-612-9007
2	NO	NO	NO	1	↓ ↓
4	NO	NO	NO	1	

NOTE 1: Attach a copy of the laboratory report showing the results of all tests on all soil and water samples. The laboratory report must identify sample collection methods, sample location, sample depth, sample type (soil or water), type of sample container, sample temperature during transportation, types of tests, and copies of analytical laboratory reports, including QA/QC information. Include laboratory name, address and copies of chain-of-custody forms.

NOTE 2: If contamination is detected and a Level 2 or Level 3 soil matrix cleanup standard is applied to the site, attach a copy of the soil matrix analysis including methods of determining soil type, depth to groundwater, and sensitivity of uppermost aquifer.

H. SITE SKETCH: (Show location of adjacent roads, property lines, structures, dispensers, & all USTs. Show North, general direction of ground slope and soil sample locations. Sketch does not need to be drawn to scale. You may attach a separate drawing.)

See figure 1

I. SAFETY EQUIPMENT ON JOB SITE:

Fire Extinguisher: Type/Size: CLASS I-C Recharge Date: 1-06
Combustible Gas Detector: Model: MT-40 (INDUSTRIAL) Calibration Date: 1-06
Oxygen Analyzer: Model: BACHARACK Calibration Date: 1-06

J. DECOMMISSIONING:

All Tanks: N/A = Not Applicable (Check (✓) Appropriate Box)	YES	NO	UNKNOWN	N/A
1. All electrical equipment grounded and explosion proof?	✓			
2. Safety equipment on job site?	✓			
3. Overhead electrical lines located?	✓			
4. Subsurface electrical lines off or disconnected?	✓			
5. Natural gas lines off or disconnected?	✓			
6. No open fires or smoking material in area?	✓			
7. Vehicle and pedestrian traffic controlled?	✓			
8. Excavation material area cleared?	✓			
9. Rainwater runoff directed to treatment area?	✓			
10. Drained and collected product from lines?				✓
11. Removed product and residual from tank?				✓
12. Cleaned tank?	✓			
13. Excavated to top of tank?	✓			
14. Removed tank fixtures? (pumps, leak detection equipment)	✓			
15. Removed product, fill and vent lines?	✓			

K. TANK ABANDONMENT IN-PLACE:N/A

All Tanks: N/A = Not Applicable (Check (✓) Appropriate Box)	YES	NO	UNKNOWN	N/A
16. Sampling plan approved by DEQ? Date: _____ DEQ Staff: _____				
17. Contamination concerns fully resolved?				
18. Fill Material? Type: _____				

APR 18 2007 15:36

5032139980

p. 2

L. TANK REMOVAL:

All Tanks: N/A = Not Applicable (Check (✓) Appropriate Box)	YES	NO	UNKNOWN	N/A
19. Tank placement area cleared, chocks placed?	✓			
20. Purged or ventilated tank to prevent explosion? Method used: <u>POSITIVE DISPLACEMENT PUMP</u> Meter reading: <u>2.10 To</u>	✓			
21. Were chains or steel cables wrapped around tank for removal?				✓
22. Tank removed, set on ground, blocked to prevent movement?	✓			
23. Tank set on truck and secured with straps(s)?	✓			
24. Tank labeled before leaving site?	✓			

M. SITE ASSESSMENT:

All Tanks: N/A = Not Applicable (Check (✓) Appropriate Box)	YES	NO	UNKNOWN	N/A
25. Site assessed for contamination? See OAR 340-122-0340	✓			
26. Soil samples taken and analyzed?	✓			
27. Was contamination found? Date/Time: <u>9/24/06 (8:15 AM)</u>	✓			
28. Was hazardous waste determination made for tank contents (Liquids/sludges)?				✓

N. REQUIRED SIGNATURES:

I have personally reviewed this decommissioning checklist and site assessment report and the attachments and find them to be true and complete.

Permittee or Tank Owner: Jason Powell
(Please Print)

Permittee or Tank Owner: Jason Powell Date: 4/12/07
(Signature)

I have personally reviewed this decommissioning checklist and site assessment report and the attachments and find them to be true and complete.

Licensed Supervisor: John Day
(Please Print)

Licensed Supervisor: [Signature] Date: 3/15/07
(Signature)

I have personally reviewed this decommissioning checklist and site assessment report and the attachments and find them to be true and complete.

Executive Officer: J. Scott Bowers
Licensed Service Provider (Please Print)

Executive Officer: [Signature] Date: 4/12/07
Licensed Service Provider (Signature)

O. REPORT FILING:

This report signed by the permittee or tank owner, licensed supervisor and executive officer of the Service Provider, complete with all applicable attachments, must be filed with the DEQ regional office within 30 days after the excavation is backfilled or change-in-service is complete. **Do not wait until any site related cleanup project is completed.** Contact the DEQ regional office prior to filing this report where special circumstances exist at the site (such as water in pit, remaining pockets of contamination, etc.).

P. HELP WITH THIS REPORT:

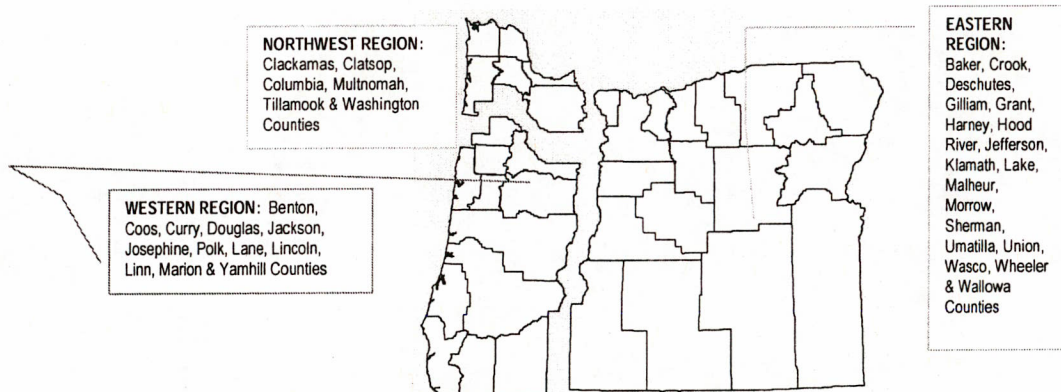
If you have any questions about this decommissioning checklist and site assessment report, please phone your DEQ Regional Office. You can also phone the UST Program's toll-free number, 1-800-742-7878. This is a message answering machine for calls made within Oregon. Underground Storage Tank Program staff will return your calls within 24 hours. You can also send an e-mail to tanks.info@deq.state.or.us. Our regional staff are also available to answer questions regarding tank decommissioning or change-in-service requirements (see below for telephone numbers).

Q. COPIES OF THE GENERAL PERMIT TO DECOMMISSION OR COMPLETE A CHANGE-IN-SERVICE:

Obtain copies of the general permit to decommission or complete a change-in-service conditions and requirements, UST Program rules and laws and UST Cleanup rules and laws at:

1. Any of the DEQ offices listed below,
2. By calling the UST HELPLINE at 1-800-742-7878,
3. Send an e-mail to tanks.info@deq.state.or.us or
4. Downloading from the UST home page at:

<http://www.deq.state.or.us/wmc/tank/ust-lust.htm>



EASTERN REGION / THE DALLES

400 E. Scenic Drive, Building 2 - 307
The Dalles, OR 97058
Phone: 541-298-7255
Fax: 541-298-7330

WESTERN REGION / EUGENE

1102 Lincoln Street, Suite 210
Eugene, OR 97401
Phone: 541-686-7838
Fax: 541-686-7551

NORTHWEST REGION

2020 SW 4th Avenue, Suite 400
Portland, OR 97201-5884
Phone: 503-229-5263
Fax: 503-229-6945

WESTERN REGION / SALEM

750 Front Street NE, Suite 120
Salem, OR 97301-1039
Phone: 503-378-8240
Fax: 503-373-7944

WESTERN REGION / COOS BAY

381 N SECOND STREET
COOS BAY 97420
Phone: 541-269-2721
Fax: 541-269-7984



CHERRY CITY METALS
SCRAP METAL RECYCLING

P.O. Box 5191
Salem, OR 97304-0191
(503) 588-0721

Purchase Ticket

Purchase Ticket # **12799**
Purchase Date **10/6/06**

Account Rep
Richard

Terms COD
10/6/06

Customer:

John Day - ECNW, Inc

P O Box 230163
Portland, OR 97281

Item Name		Gross	Tare	Net	Net/Price UI	Price	Total
Received: 10/05/2006		WT Ticket #S 21420					
Unprepared		43,800.0	32,820.0	10,980.0 LB	10,980.00 LB	\$0.0000 LB	\$0.00
	Container Num	12		Chasis #	915		
	Dispatch #:	14,693					

TERMS AND CONDITIONS

I have read the current list of materials Cherry City Metals will not accept for regulatory and environmental reasons. I warrant that the materials I am selling Cherry City Metals do not contain any of the materials described on the list or contain any of the materials described on the list or contain hazardous or toxic wastes for which disposal in a municipal landfill is restricted or prohibited. I warrant that all materials, including tanks, sealed motors and metal borings, have been fully and lawfully drained of all oils and oil products. I further warrant that any items that contained ozone depleting compounds such as CFC's or Freon, have been emptied in accordance with applicable laws.

I warrant that I am the lawful owner of the materials being sold and that I have the right to sell them to Cherry City Metals. I acknowledge that for the payment I received in full, I sell and convey title to the materials to Cherry City Metals. I also understand that Cherry City Metals is not responsible for the accidents to the materials or to vehicles while loading or unloading.

I agree to indemnify and hold harmless Cherry City Metals against all claims and expenses arising out of any breach of these warranties.

RECEIVED BY: _____
PAYMENT RECEIVED IN FULL

Cash Paid	\$0.00
Check Paid	\$0.00
Check Number	0



CHERRY CITY METALS
SCRAP METAL RECYCLING

P.O. Box 5191
Salem, OR 97304-0191
(503) 588-0721

Purchase Ticket

Purchase Ticket # **12821**
Purchase Date **10/7/06**

Customer:

John Day - ECNW, Inc

P O Box 230163
Portland, OR 97281

Account Rep
Richard

Terms COD
10/7/06

Item Name		Gross	Tare	Net	Net/Price UI	Price	Total
Received: 10/06/2006		WT Ticket #S 21432					
Unprepared		42,380.0	33,080.0	9,300.0 LB	9,300.00 LB	\$0.0000 LB	\$0.00
	Container Num	12		Chasis #	915		
	Dispatch #:	14,694					
Received: 10/06/2006		WT Ticket #S 21439					
Unprepared		42,360.0	33,000.0	9,360.0 LB	9,360.00 LB	\$0.0000 LB	\$0.00
	Container Num	12		Chasis #	915		
	Dispatch #:	14,702					
Received: 10/06/2006		WT Ticket #S 21458					
Unprepared		43,120.0	32,960.0	10,160.0 LB	10,160.00 LB	\$0.0000 LB	\$0.00
	Container Num	12		Chasis #	915		
	Dispatch #:	14,703					

TERMS AND CONDITIONS

I have read the current list of materials Cherry City Metals will not accept for regulatory and environmental reasons. I warrant that the materials I am selling Cherry City Metals do not contain any of the materials described on the list or contain any of the materials described on the list or contain hazardous or toxic wastes for which disposal in a municipal landfill is restricted or prohibited. I warrant that all materials, including tanks, sealed motors and metal borings, have been fully and lawfully drained of all oils and oil products. I further warrant that any items that contained ozone depleting compounds such as CFC's or Freon, have been emptied in accordance with applicable laws.

I warrant that I am the lawful owner of the materials being sold and that I have the right to sell them to Cherry City Metals. I acknowledge that for the payment I received in full, I sell and convey title to the materials to Cherry City Metals. I also understand that Cherry City Metals is not responsible for the accidents to the materials or to vehicles while loading or unloading.

I agree to indemnify and hold harmless Cherry City Metals against all claims and expenses arising out of any breach of these warranties.

RECEIVED BY: _____
PAYMENT RECEIVED IN FULL

Cash Paid	\$0.00
Check Paid	\$0.00
Check Number	0

Hillsboro, OR, 97123
Ph: (503)-640-9427

Customer Name STRATUSCORP STRATUS CORPORATI Carrier CELDRIEBROTH CELORIE BROTHERS TRUCKI
Ticket Date 03/29/2007 Vehicle# 4301 Volume
Payment Type Credit Account Container
Manual Ticket# Driver RICHARD
Hauling Ticket# Check#
Route Billing # 0000371
State Waste Code Gen EPA ID
Manifest NA
Destination Grid
PO 100628/0000
Profile 1006280R (PCS)
Generator 168-POWELL Powell Distributing

	Time	Scale	Operator	Inbound	Gross	
In	03/29/2007 11:31:15	Inbound 1	sdm		107180	1b
Out	03/29/2007 11:31:15		sdm		Tare 38900	1b
					Net 68280	1b
Comments					Tons 34.14	

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	34.14	Tons	25.92	71.01	\$884.91	CLACK-OUT
2 EVL-Env Fee Lg.	100	1	Load	4.00		\$4.00	CLACK-OUT

Total Tax \$71.01
Total Ticket \$959.92

Driver's Signature

#589 P.002/002

03/30/2007 15:48

5036483942

From:WM HILLSBORO LANDFILL



Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-648-9427

Original
Ticket# 1050371

Customer Name STRATUSEORP STRATUS CORPORATI Carrier STRATUS CORPORATION
Ticket Date 03/29/2007 Vehicle# 71 Volume
Payment Type Credit Account Container
Manual Ticket# Driver ROBERT
Hauling Ticket# Check#
Route Billing # 0000371
State Waste Code Gen EPA ID
Manifest NA Grid
Destination
PO 100628/0000
Profile 1006280R (PCS)
Generator IES-POWELL Powell Distributing

	Time	Scale	Operator	Inbound	Gross	
In	03/29/2007 13:33:33	Inbound 1	BML		82560	lb
Out	03/29/2007 14:05:15	Outbound	BML		70120	lb
					Net	12440 lb
					Tons	6.22

Comments:

Consumer Comments? We want to know. Please call.

Product	LDX	Qty	Unit	Rate	Tax	Amount	Origin
1 Cont Soil Pat-PBC-	120	6.22	Tons	25.92	12.94	\$161.22	MULT-IN
2 EWL-Env Fee Lg.	120	1	Load	4.00		\$4.00	MULT-IN

Total Tax \$12.94
Total Ticket \$178.16

Driver's Signature

Robert Tucker

MATRIX CHECKLIST

- ☒ 1. The release of petroleum has been reported to the DEQ (0220).
- ☒ 2. The Matrix Score Sheet has been completed for this site, unless the site is cleaned up to the most stringent cleanup level (0320).
- ☒ 3. The required hydrocarbon identification test (NWTPH-HCID) has been performed (0335(3)), and, if detectable levels were found, the appropriate analytical method or methods have been used to measure the levels of contamination (0218).
- ☒ 4. A sketch has been made of this site (0345(1)) which clearly shows:
 - ☒ a. The location of all buildings and other key features, both man-made and natural;
 - ☒ b. The names of adjacent streets and properties;
 - ☒ c. The location of all excavations including those that were for the removal of tanks and associated piping as well as those that were strictly for the removal of contaminated soils;
 - ☒ d. The location of all product storage tanks, lines and dispensers, including those that were decommissioned as well as those that remain on the site; and
 - ☒ e. All soil and water sample locations.
- ☒ 5. If any contaminated soil exceeding matrix limits has been left on site, the reason for leaving this soil has been explained and the requirements of 0340(1)(f) and 0355(4) have been met.
- ☒ 6. If water was present in the tank pit, the Department was notified, the water was pumped from the pit, and the requirements of 0340(4) have been met.
- ☒ 7. All soil and/or water samples have been collected, coded, stored and shipped as specified in the rules, and proper chain-of-custody forms have been filled out (0345).
- ☒ 8. If a release from a waste oil tank was discovered, at least one sample has been analyzed by the methods specified in 0218(1)(b)(D).
- ☒ 9. If a tank was decommissioned in place, the Department gave prior approval for a site-specific sampling plan (0340(5)).
- ☒ 10. A report has been prepared which includes a detailed description of everything that was observed and performed at the site, contains all of the information required by the rules (0360), and presents findings and recommendations which are consistent with Departmental regulations.

MATRIX SCORE SHEET

1. Depth to Groundwater		
< 25 feet	(10)	
25 - 50 feet	(7)	
51 - 100 feet	(4)	
> 100 feet	(1)	10
2. Mean Annual Precipitation		
> 45 inches	(10)	
20 - 45 inches	(5)	
< 20 inches	(1)	5
3. Native Soil Type		
Course sands, gravels	(10)	
Silts, fine sands	(5)	
Clays	(1)	10
4. Sensitivity of Uppermost Aquifer		
Sole Source	(10)	
Current Potable	(7)	
Future Potable	(4)	
Non-potable	(1)	4
5. Potential Receptors		
Many, near	(10)	
Medium	(5)	
Few, far	(1)	5
TOTAL SCORE	=	34

MATRIX SCORE	Cleanup Level (ppm TPH)	
	Gasoline	Diesel
Level 1: > 40 pts.	40	100
Level 2: 25 - 40 pts.	80	500
Level 3: < 25 pts.	130	1000



Fill Ends of USTs Exposed



Excavating to Tops of The USTs



Removing Tank No. 1 (Eastern UST)



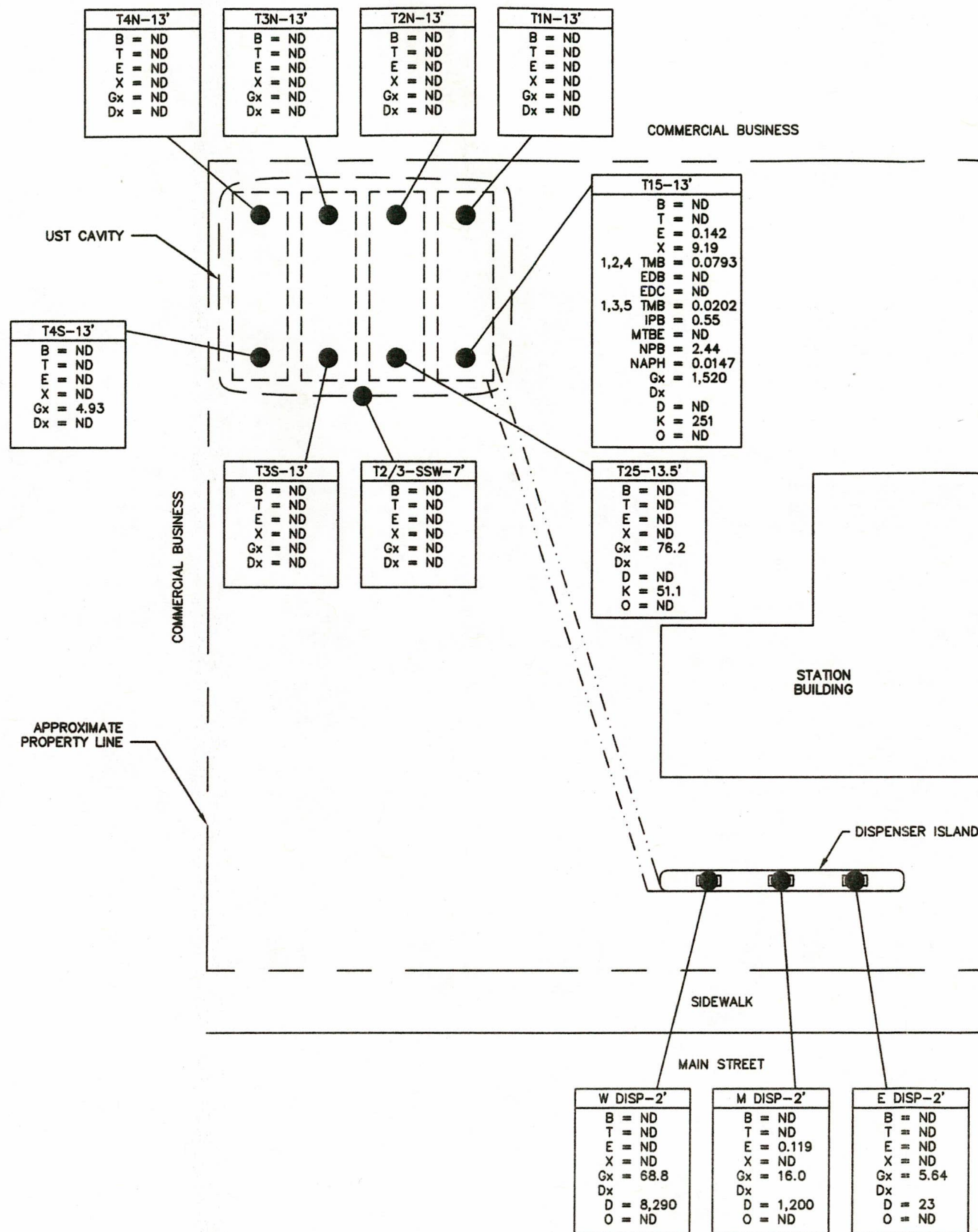
Bottom of UST Cavity (East Side) and Product Piping Trench



Three of the Four USTs Awaiting Transport



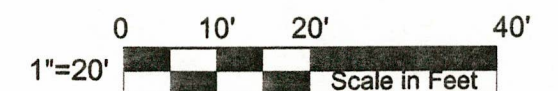
Backfilled UST Cavity with Contaminated Soil Stockpile in Left Rear.



LEGEND

●	Soil Sample
T1S-13'	Sample Identification
UST	Underground Storage Tank
[-]	Former UST
---	Former Underground Product Piping Trench
B	Benzene
T	Toulene
E	Ethylbenzene
X	Total Xylenes
TMB	Trimethylbenzene
EDB	Ethylene Dibromide
EDC	Ethylene Dichloride
IPB	Isopropylbenzene
MTBE	Methyl-Tertiary Butyl Ether
NPB	N-Propylbenzene
NAPH	Naphthalene
TPH-Gx	Total Petroleum Hydrocarbons Gasoline - Range
TPH-Dx	Total Petroleum Hydrocarbons Diesel extended
D	Diesel
K	Kerosene
O	Lube Oil
ND	Not Detected

Results are in milligrams per kilogram (mg/kg)



**ENVIRONMENTAL
COMPLIANCE
NORTHWEST, INC.**

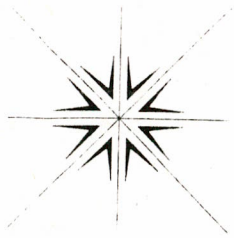
**ANALYTICAL RESULTS MAP
UST DECOMMISSIONING**

**KWIK GAS
305 WEST MAIN STREET
MOLALLA, OREGON**

Project No. 05-106

FIGURE 1

APPENDIX C



Specialty Analytical

19761 S.W. 95th Avenue
Tualatin, OR 97062
(503) 612-9007
Fax (503) 612-8572
1 (877) 612-9007

March 21, 2005

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

RE: Powell- Molalla / 05106

Dear John Day:

Order No.: 0503061

Specialty Analytical received 3 samples on 3/16/2005 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,

Ned Engleson
Project Manager

Technical Review

Specialty Analytical

Date: 21-Mar-05

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell- Molalla / 05106**Lab Order:** 0503061**Lab ID:** 0503061-01**Collection Date:** 3/15/2005 8:25:00 AM**Client Sample ID:** PL-1-3'**Matrix:** SOIL

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

NWTPH-HCID**NWHCID**

Analyst: tlf

Gasoline	Gasoline	24.2		mg/Kg-dry	1	3/16/2005
Mineral Spirits	ND	24.2		mg/Kg-dry	1	3/16/2005
Kerosene	ND	60.4		mg/Kg-dry	1	3/16/2005
Diesel	ND	60.4	A3	mg/Kg-dry	1	3/16/2005
Lube Oil	ND	121		mg/Kg-dry	1	3/16/2005
Surr: BFB	161	50-150	S,MI	%REC	1	3/16/2005
Surr: o-Terphenyl	100	50-150		%REC	1	3/16/2005

BTEX - RBC**SW8021B**

Analyst: tlf

Benzene	16.7	0.604		mg/Kg-dry	20	3/18/2005
Toluene	102	2.42		mg/Kg-dry	20	3/18/2005
Ethylbenzene	29.0	2.42		mg/Kg-dry	20	3/18/2005
Xylenes, Total	146	7.25		mg/Kg-dry	20	3/18/2005
Surr: 4-Bromofluorobenzene	11.0	42.6-126	S,D	%REC	20	3/18/2005

NWTPH-GX**NWTPH-GX**

Analyst: tlf

Gasoline	1100	151		mg/Kg-dry	50	3/17/2005
Surr: 4-Bromofluorobenzene	8.78	50-150	S,D	%REC	50	3/17/2005

Lab ID: 0503061-02**Collection Date:** 3/16/2005 8:40:00 AM**Client Sample ID:** PL-1-5'**Matrix:** SOIL

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

BTEX - RBC**SW8021B**

Analyst: tlf

Benzene	85.8	3.58		mg/Kg-dry	100	3/17/2005
Toluene	664	14.3		mg/Kg-dry	100	3/17/2005
Ethylbenzene	169	14.3		mg/Kg-dry	100	3/17/2005
Xylenes, Total	901	42.9		mg/Kg-dry	100	3/17/2005
Surr: 4-Bromofluorobenzene	4.00	42.6-126	S,D	%REC	100	3/17/2005

NWTPH-GX**NWTPH-GX**

Analyst: tlf

Gasoline	8370	358		mg/Kg-dry	100	3/17/2005
Surr: 4-Bromofluorobenzene	10.9	50-150	S,D	%REC	100	3/17/2005

Specialty Analytical

Date: 21-Mar-05

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell- Molalla / 05106

Lab Order: 0503061

Lab ID: 0503061-03

Collection Date: 3/16/2005 9:10:00 AM

Client Sample ID: PL2-2.75'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BTEX - RBC						
		SW8021B				Analyst: tlf
Benzene	12.6	1.58		mg/Kg-dry	50	3/17/2005
Toluene	97.2	6.31		mg/Kg-dry	50	3/17/2005
Ethylbenzene	70.1	6.31		mg/Kg-dry	50	3/17/2005
Xylenes, Total	541	18.9		mg/Kg-dry	50	3/17/2005
Surr: 4-Bromofluorobenzene	2.60	42.6-126	S,D	%REC	50	3/17/2005
NWTPH-GX						
		NWTPH-GX				Analyst: tlf
Gasoline	5730	158		mg/Kg-dry	50	3/17/2005
Surr: 4-Bromofluorobenzene	10.5	50-150	S,D	%REC	50	3/17/2005

Specialty Analytical

Date: 21-Mar-05

CLIENT: Environmental Compliance Northwest, Inc.
 WorkOrder: 0503061
 Project: Powell-Molalla/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEXRBC_S

Sample ID	MBLK	SampType:	MBLK	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:	3/18/2005	Run ID:	GC-I_050317D
Client ID:	ZZZZZ	Batch ID:	13027	TestNo:	SW8021B			Analysis Date:	3/17/2005	SeqNo:	315114
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0250									
Toluene	0.04	0.100									
Ethylbenzene	ND	0.100									J
Xylenes, Total	0.03	0.300									
Surr:4-Bromofluorobenzene	4.88	0	5	0	97.6	42.6	126	0	0		J

Sample ID	MBLK	SampType:	MBLK	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:	3/18/2005	Run ID:	GC-I_050318D
Client ID:	ZZZZZ	Batch ID:	13027	TestNo:	SW8021B			Analysis Date:	3/18/2005	SeqNo:	315224
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0250									
Toluene	ND	0.100									
Ethylbenzene	ND	0.100									
Xylenes, Total	ND	0.300									
Surr:4-Bromofluorobenzene	4.38	0	5	0	87.6	42.6	126	0	0		

Sample ID	MBLK	SampType:	MBLK	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:	3/18/2005	Run ID:	GC-I_050321B
Client ID:	ZZZZZ	Batch ID:	13027	TestNo:	SW8021B			Analysis Date:	3/21/2005	SeqNo:	315447
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0250									
Toluene	ND	0.100									
Ethylbenzene	ND	0.100									
Xylenes, Total	ND	0.300									
Surr:4-Bromofluorobenzene	4.04	0	5	0	80.8	42.6	126	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: 0503061
Project: Powell- Molalla /05106

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEXRBC_S

Sample ID	LCS	SampType:	LCS	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:	3/18/2005	Run ID:	GC-I_050321B
Client ID:	ZZZZZ	Batch ID:	13027	TestNo:	SW8021B			Analysis Date:	3/21/2005	SeqNo:	315449
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.1	0.0250	1.25	0	88	68.7	117	0	0		
Toluene	1.34	0.100	1.25	0	107	71.4	115	0	0		
Ethylbenzene	1.28	0.100	1.25	0	102	76.3	115	0	0		
Xylenes, Total	3.83	0.300	3.75	0	102	70.1	116	0	0		

Sample ID	0503061-01AMS	SampType:	MS	TestCode:	BTEXRBC_S	Units:	mg/Kg-dry	Prep Date:	3/18/2005	Run ID:	GC-I_050321B
Client ID:	PL-1-3'	Batch ID:	13027	TestNo:	SW8021B			Analysis Date:	3/21/2005	SeqNo:	315450
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	8.696	0.604	30.19	16.67	-26.4	32.2	108	0	0		SMC
Toluene	89.37	2.42	30.19	102.2	-42.4	56.7	101	0	0		SMC
Ethylbenzene	27.05	2.42	30.19	28.99	-6.4	53.3	107	0	0		SMC
Xylenes, Total	142	7.25	90.58	146.4	-4.8	47.5	119	0	0		SMC

Sample ID	0503061-01AMSD	SampType:	MSD	TestCode:	BTEXRBC_S	Units:	mg/Kg-dry	Prep Date:	3/18/2005	Run ID:	GC-I_050321B
Client ID:	PL-1-3'	Batch ID:	13027	TestNo:	SW8021B			Analysis Date:	3/21/2005	SeqNo:	315451
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	7.729	0.604	30.19	16.67	-29.6	32.2	108	8.696	11.8	20	SMC
Toluene	109.2	2.42	30.19	102.2	23.2	56.7	101	89.37	20.0	20	SMC
Ethylbenzene	41.06	2.42	30.19	28.99	40	53.3	107	27.05	41.1	20	S,R,MC
Xylenes, Total	224.9	7.25	90.58	146.4	86.7	47.5	119	142	45.2	20	RMC

Sample ID	CCV	SampType:	CCV	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_050317D
Client ID:	ZZZZZ	Batch ID:	13027	TestNo:	SW8021B			Analysis Date:	3/17/2005	SeqNo:	315115
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	35.5	0.0250	40	0	88.8	85	115	0	0		
Toluene	38.05	0.100	40	0	95.1	85	115	0	0		
Ethylbenzene	36.1	0.100	40	0	90.2	85	115	0	0		
Xylenes, Total	111.5	0.300	120	0	92.9	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: 0503061
Project: Powell- Molalla / 05106

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEXRBC_S

Sample ID	CCV	SampType:	CCV	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_050318D	
Client ID:	ZZZZZ	Batch ID:	13027	TestNo:	SW8021B			Analysis Date:	3/18/2005	SeqNo:	315226	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		37.19	0.0250	40	0	93	85	115	0	0		
Toluene		39.11	0.100	40	0	97.8	85	115	0	0		
Ethylbenzene		38.45	0.100	40	0	96.1	85	115	0	0		
Xylenes, Total		116.6	0.300	120	0	97.2	85	115	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_050321B	
Client ID:	ZZZZZ	Batch ID:	13027	TestNo:	SW8021B			Analysis Date:	3/21/2005	SeqNo:	315448	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		56.18	0.0250	60	0	93.6	85	115	0	0		
Toluene		63.09	0.100	60	0	105	85	115	0	0		
Ethylbenzene		56.85	0.100	60	0	94.8	85	115	0	0		
Xylenes, Total		176.9	0.300	180	0	98.3	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.
WorkOrder: 0503061
Project: Powell- Molalla / 05106

ANALYTICAL QC SUMMARY REPORT

TestCode: HCID_NW

Sample ID	MBLK	SampType:	MBLK	TestCode:	HCID_NW	Units:	mg/Kg	Prep Date:	3/16/2005	Run ID:	GC-M_050316B
Client ID:	ZZZZZ	Batch ID:	13023	TestNo:	NWHCID			Analysis Date:	3/16/2005	SeqNo:	314887
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	14.23	20.0									J
Mineral Spirits	ND	20.0									
Kerosene	ND	50.0									
Diesel	34.24	50.0									
Lube Oil	ND	100									J
Surr: BFB	91.11	0	100	0	91.1	50	150	0	0		
Surr: o-Terphenyl	99.17	0	100	0	99.2	50	150	0	0		

Sample ID	0503061-01ADUP	SampType:	DUP	TestCode:	HCID_NW	Units:	mg/Kg-dry	Prep Date:	3/16/2005	Run ID:	GC-M_050316B
Client ID:	PL-1-3'	Batch ID:	13023	TestNo:	NWHCID			Analysis Date:	3/16/2005	SeqNo:	314896
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	235	24.2	0	0	0	0	0	367.9	44.1	20	
Mineral Spirits	ND	24.2	0	0	0	0	0	0	0	20	
Kerosene	ND	60.4	0	0	0	0	0	0	0	20	
Diesel	112.3	60.4	0	0	0	0	0	0	0	20	
Lube Oil	19.67	12.1	0	0	0	0	0	115.8	3.05	20	
								0	0	20	J

Sample ID	0503062-03ADUP	SampType:	DUP	TestCode:	HCID_NW	Units:	mg/Kg-dry	Prep Date:	3/16/2005	Run ID:	GC-M_050316B
Client ID:	ZZZZZ	Batch ID:	13023	TestNo:	NWHCID			Analysis Date:	3/16/2005	SeqNo:	314897
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	17.94	21.0	0	0	0	0	0	18.15	0	20	J
Mineral Spirits	ND	21.0	0	0	0	0	0	0	0	20	
Kerosene	ND	52.4	0	0	0	0	0	0	0	20	
Diesel	ND	52.4	0	0	0	0	0	0	0	20	
Lube Oil	206.2	105	0	0	0	0	0	239.6	15.0	20	A3

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: 0503061
Project: Powell-Molalla/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: HCID_NW

Sample ID	0503063-01ADUP	SampType:	DUP	TestCode:	HCID_NW	Units:	mg/Kg-dry	Prep Date:	3/16/2005	Run ID:	GC-M_050316B
Client ID:	ZZZZZ	Batch ID:	13023	TestNo:	NWHCID			Analysis Date:	3/16/2005	SeqNo:	314898
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	1303	24.0	0	0	0	0	0	1227	6.04	20	
Mineral Spirits	ND	24.0	0	0	0	0	0	0	0	20	
Kerosene	ND	60.0	0	0	0	0	0	0	0	20	
Diesel	24570	60.0	0	0	0	0	0	0	0	20	
Lube Oil	ND	120	0	0	0	0	0	22440	9.05	20	
								0	0	20	A3

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: 0503061
Project: Powell-Molalla/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_S

Sample ID

MBLK

SampType:

MBLK

TestCode:

NWTPHGX_S

Units:

mg/Kg

Prep Date:

3/17/2005

Run ID:

GC-I_050317C

Client ID:

ZZZZZ

Batch ID:

13026

TestNo:

NWTPH-Gx

Analysis Date:

3/17/2005

SeqNo:

314950

Analyte

Result

PQL

SPK value

SPK Ref Val

%REC

LowLimit

HighLimit

RPD Ref Val

%RPD

RPDLimit

Qual

Gasoline

ND

2.50

Surr:4-Bromofluorobenzene

78.5

0

100

0

78.5

50

150

0

0

Sample ID

LCS

SampType:

LCS

TestCode:

NWTPHGX_S

Units:

mg/Kg

Prep Date:

3/17/2005

Run ID:

GC-I_050317C

Client ID:

ZZZZZ

Batch ID:

13026

TestNo:

NWTPH-Gx

Analysis Date:

3/17/2005

SeqNo:

314951

Analyte

Result

PQL

SPK value

SPK Ref Val

%REC

LowLimit

HighLimit

RPD Ref Val

%RPD

RPDLimit

Qual

Gasoline

27.07

2.50

30

0

90.2

53.5

121

0

0

Sample ID

0503061-01ADUP

SampType:

DUP

TestCode:

NWTPHGX_S

Units:

mg/Kg-dry

Prep Date:

3/17/2005

Run ID:

GC-I_050317C

Client ID:

PL-1-3'

Batch ID:

13026

TestNo:

NWTPH-Gx

Analysis Date:

3/17/2005

SeqNo:

314956

Analyte

Result

PQL

SPK value

SPK Ref Val

%REC

LowLimit

HighLimit

RPD Ref Val

%RPD

RPDLimit

Qual

Gasoline

954.1

151

0

0

0

0

0

1101

14.3

20

Sample ID

CCV

SampType:

CCV

TestCode:

NWTPHGX_S

Units:

mg/Kg

Prep Date:

Run ID:

GC-I_050317C

Client ID:

ZZZZZ

Batch ID:

13026

TestNo:

NWTPH-Gx

Analysis Date:

3/17/2005

SeqNo:

314952

Analyte

Result

PQL

SPK value

SPK Ref Val

%REC

LowLimit

HighLimit

RPD Ref Val

%RPD

RPDLimit

Qual

Gasoline

2092

2.50

2000

0

105

80

120

0

0

Sample ID

CCV

SampType:

CCV

TestCode:

NWTPHGX_S

Units:

mg/Kg

Prep Date:

Run ID:

GC-I_050317C

Client ID:

ZZZZZ

Batch ID:

13026

TestNo:

NWTPH-Gx

Analysis Date:

3/17/2005

SeqNo:

314957

Analyte

Result

PQL

SPK value

SPK Ref Val

%REC

LowLimit

HighLimit

RPD Ref Val

%RPD

RPDLimit

Qual

Gasoline

3083

2.50

3000

0

103

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

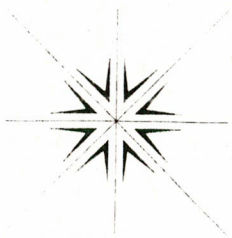
KEY TO FLAGS

- 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 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.
- 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 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.

19761 S.W. 95th Place
Tualatin, OR 97062
(503) 612-9007 - Phone
(503) 612-8572 - Fax

Contact Person/Project Manager John Day
Company ECN
Address PO Box 230163
PTD, OR 97281
Phone 372 9760 Fax 213-9980
Project No. 05106 Project Name Roxell - MILLAIA
Invoice To ECN P.O. No.

[illegible]



Specialty Analytical

19761 S.W. 95th Avenue
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April 18, 2005

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

RE: Powell-Mollala / 05106

Dear John Day:

Order No.: 0504047

Specialty Analytical received 2 samples on 4/12/2005 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,

Ned Engleson
Project Manager

Technical Review

Specialty Analytical

Date: 18-Apr-05

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Mollala / 05106**Lab Order:** 0504047**Lab ID:** 0504047-01**Collection Date:** 4/12/2005 12:30:00 PM**Client Sample ID:** S1-~~8~~5**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BTEX - RBC						
		SW8021B				Analyst: tlf
Benzene	5.91	0.321		mg/Kg-dry	10	4/13/2005
Toluene	3.98	1.28		mg/Kg-dry	10	4/13/2005
Ethylbenzene	48.7	1.28		mg/Kg-dry	10	4/13/2005
Xylenes, Total	113	3.85		mg/Kg-dry	10	4/13/2005
Surr: 4-Bromofluorobenzene	19.0	42.6-126	S,D	%REC	10	4/13/2005
NWTPH-GX						
		NWTPH-GX				Analyst: tlf
Gasoline	3120	64.2		mg/Kg-dry	20	4/13/2005
Surr: 4-Bromofluorobenzene	26.7	50-150	S,D	%REC	20	4/13/2005

Lab ID: 0504047-02**Collection Date:** 4/12/2005 12:50:00 PM**Client Sample ID:** S2-6'**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-HCID						
		NWHCID				Analyst: tlf
Gasoline	Gasoline	32.2		mg/Kg-dry	1	4/13/2005
Mineral Spirits	ND	32.2		mg/Kg-dry	1	4/13/2005
Kerosene	ND	80.5		mg/Kg-dry	1	4/13/2005
Diesel	Diesel	80.5		mg/Kg-dry	1	4/13/2005
Lube Oil	ND	161		mg/Kg-dry	1	4/13/2005
Surr: BFB	144	50-150		%REC	1	4/13/2005
Surr: o-Terphenyl	107	50-150		%REC	1	4/13/2005
NWTPH-DX						
		NWTPH-DX				Analyst: tlf
Diesel	32.6	16.4	L	mg/Kg-dry	1	4/13/2005
Lube Oil	ND	54.6		mg/Kg-dry	1	4/13/2005
Surr: o-Terphenyl	102	50-150		%REC	1	4/13/2005
NWTPH-GX						
		NWTPH-GX				Analyst: tlf
Gasoline	530	27.3		mg/Kg-dry	10	4/15/2005
Surr: 4-Bromofluorobenzene	21.2	50-150	S,D	%REC	10	4/15/2005

Specialty Analytical

Date: 18-Apr-05

CLIENT: Environmental Compliance Northwest, Inc.

Work Order: 0504047

Project: Powell-Mollala/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEXRBC_S

Sample ID	MBLK	SampType:	MBLK	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:	4/13/2005	Run ID:	GC-I_050413A
Client ID:	ZZZZZ	Batch ID:	13199	TestNo:	SW8021B			Analysis Date:	4/13/2005	SeqNo:	319699
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0250									
Toluene	0.01	0.100									J
Ethylbenzene	ND	0.100									
Xylenes, Total	0.05	0.300									
Surr:4-Bromofluorobenzene	5.56	0	5	0	111	42.6	126	0	0		J

Sample ID	LCS	SampType:	LCS	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:	4/13/2005	Run ID:	GC-I_050413A
Client ID:	ZZZZZ	Batch ID:	13199	TestNo:	SW8021B			Analysis Date:	4/13/2005	SeqNo:	319700
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.13	0.0250	1.25	0	90.4	68.7	117	0	0		
Toluene	1.29	0.100	1.25	0.01	102	71.4	115	0	0		
Ethylbenzene	1.35	0.100	1.25	0	108	76.3	115	0	0		
Xylenes, Total	4.13	0.300	3.75	0.05	109	70.1	116	0	0		

Sample ID	0504047-01AMS	SampType:	MS	TestCode:	BTEXRBC_S	Units:	mg/Kg-dry	Prep Date:	4/13/2005	Run ID:	GC-I_050413A
Client ID:	S1-5.8'	Batch ID:	13199	TestNo:	SW8021B			Analysis Date:	4/13/2005	SeqNo:	319703
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	6.547	0.321	16.05	5.905	4	32.2	108	0	0		SMC
Toluene	0.5995	1.28	16.05	3.979	-21.1	56.7	101	0	0		S,MI
Ethylbenzene	43.13	1.28	16.05	48.65	-34.4	53.3	107	0	0		S,MI
Xylenes, Total	96.15	3.85	48.14	113.4	-35.7	47.5	119	0	0		S,MC

Sample ID	0504047-01AMSD	SampType:	MSD	TestCode:	BTEXRBC_S	Units:	mg/Kg-dry	Prep Date:	4/13/2005	Run ID:	GC-I_050413A
Client ID:	S1-5.8'	Batch ID:	13199	TestNo:	SW8021B			Analysis Date:	4/13/2005	SeqNo:	319704
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	5.905	0.321	16.05	5.905	0	32.2	108	6.547	10.3	20	SMC

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: 0504047
Project: Powell-Mollala/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEXRBC_S

Sample ID	0504047-01AMSD	SampType:	MSD	TestCode:	BTEXRBC_S	Units:	mg/Kg-dry	Prep Date:	4/13/2005	Run ID:	GC-I_050413A
Client ID:	S1-5.8'	Batch ID:	13199	TestNo:	SW8021B			Analysis Date:	4/13/2005	SeqNo:	319704
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	0.6418	1.28	16.05	3.979	-20.8	56.7	101	0.6418	0	20	S,MI
Ethylbenzene	41.08	1.28	16.05	48.65	-47.2	53.3	107	43.13	4.88	20	S,MI
Xylenes, Total	103.2	3.85	48.14	113.4	-21.1	47.5	119	96.15	7.08	20	S,MC

Sample ID	CCV	SampType:	CCV	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_050413A
Client ID:	ZZZZZ	Batch ID:	13199	TestNo:	SW8021B			Analysis Date:	4/13/2005	SeqNo:	319701
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	48.3	0.0250	50	0	96.6	85	115	0	0		
Toluene	50.84	0.100	50	0	102	85	115	0	0		
Ethylbenzene	50.56	0.100	50	0	101	85	115	0	0		
Xylenes, Total	153.9	0.300	150	0	103	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: 0504047
Project: Powell-Mollala / 05106

ANALYTICAL QC SUMMARY REPORT

TestCode: HCID_NW

Sample ID	MBLK	SampType:	MBLK	TestCode:	HCID_NW	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_050413A
Client ID:	ZZZZZ	Batch ID:	13196	TestNo:	NWHCID			Analysis Date:	4/13/2005	SeqNo:	319716
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	20.0									
Mineral Spirits	ND	20.0									
Kerosene	ND	50.0									
Diesel	ND	50.0									
Lube Oil	ND	100									
Surr: BFB	93.19	0	100	0	93.2	50	150	0	0		
Surr: o-Terphenyl	99.5	0	100	0	99.5	50	150	0	0		

Sample ID	0504045-07ADUP	SampType:	DUP	TestCode:	HCID_NW	Units:	mg/Kg-dry	Prep Date:	4/13/2005	Run ID:	GC-M_050413A
Client ID:	ZZZZZ	Batch ID:	13196	TestNo:	NWHCID			Analysis Date:	4/13/2005	SeqNo:	319728
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	23.4	0	0	0	0	0	0	0	20	
Mineral Spirits	ND	23.4	0	0	0	0	0	0	0	20	
Kerosene	ND	58.5	0	0	0	0	0	0	0	20	
Diesel	ND	58.5	0	0	0	0	0	0	0	20	
Lube Oil	ND	117	0	0	0	0	0	0	0	20	

Sample ID	0504047-02ADUP	SampType:	DUP	TestCode:	HCID_NW	Units:	mg/Kg-dry	Prep Date:	4/13/2005	Run ID:	GC-M_050413A
Client ID:	S2-6'	Batch ID:	13196	TestNo:	NWHCID			Analysis Date:	4/13/2005	SeqNo:	319729
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	624.3	32.2	0	0	0	0	0	159.6	119	20	R
Mineral Spirits	ND	32.2	0	0	0	0	0	0	0	20	
Kerosene	ND	80.5	0	0	0	0	0	0	0	20	
Diesel	361.8	80.5	0	0	0	0	0	0	0	20	
Lube Oil	ND	161	0	0	0	0	0	107.4	108	20	R

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: 0504047
Project: Powell-Mollala/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDX_S

Sample ID	MBLK	SampType:	MBLK	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:	4/13/2005	Run ID:	GC-M_050413B	
Client ID:	ZZZZZ	Batch ID:	13197	TestNo:	NWTPH-Dx			Analysis Date:	4/13/2005	SeqNo:	319736	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		ND	15.0									
Lube Oil		16.6	50.0									
Surr:o-Terphenyl		33.56	0	33.33	0	101	50	150	0	0		J

Sample ID	LCS	SampType:	LCS	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:	4/13/2005	Run ID:	GC-M_050413B	
Client ID:	ZZZZZ	Batch ID:	13197	TestNo:	NWTPH-Dx			Analysis Date:	4/13/2005	SeqNo:	319737	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		179.8	15.0	167.6	0	107	76.3	122	0	0		
Lube Oil		183.7	50.0	167.6	16.6	99.7	69.9	127	0	0		

Sample ID	0504045-07AMS	SampType:	MS	TestCode:	NWTPHDX_S	Units:	mg/Kg-dry	Prep Date:	4/13/2005	Run ID:	GC-M_050413B	
Client ID:	ZZZZZ	Batch ID:	13197	TestNo:	NWTPH-Dx			Analysis Date:	4/13/2005	SeqNo:	319752	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		206.1	17.6	195.1	0	106	76.3	122	0	0		
Lube Oil		217.4	58.5	195.1	12.51	105	69.9	127	0	0		

Sample ID	0504045-07AMSD	SampType:	MSD	TestCode:	NWTPHDX_S	Units:	mg/Kg-dry	Prep Date:	4/13/2005	Run ID:	GC-M_050413B	
Client ID:	ZZZZZ	Batch ID:	13197	TestNo:	NWTPH-Dx			Analysis Date:	4/13/2005	SeqNo:	319753	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		198.4	17.6	195.1	0	102	76.3	122	206.1	3.79	20	
Lube Oil		206.5	58.5	195.1	12.51	99.4	69.9	127	217.4	5.16	20	

Sample ID	0504041-08ADUP	SampType:	DUP	TestCode:	NWTPHDX_S	Units:	mg/Kg-dry	Prep Date:	4/13/2005	Run ID:	GC-M_050413B	
Client ID:	ZZZZZ	Batch ID:	13197	TestNo:	NWTPH-Dx			Analysis Date:	4/13/2005	SeqNo:	319754	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		ND	16.4	0	0	0	0	0	0	0	20	

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.
WorkOrder: 0504047
Project: Powell-Mollala/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDX_S

TestCode: NWTPHDX_S

Sample ID	0504041-08ADUP	SampType:	DUP	TestCode:	NWTPHDX_S	Units:	mg/Kg-dry	Prep Date:	4/13/2005	Run ID:	GC-M_050413B		
Client ID:	ZZZZZ	Batch ID:	13197	TestNo:	NWTPH-Dx			Analysis Date:	4/13/2005	SeqNo:	319754		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lube Oil		ND		54.8	0	0	0	0	0	25.86	0	20	

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_050413B		
Client ID:	ZZZZZ	Batch ID:	13197	TestNo:	NWTPH-Dx			Analysis Date:	4/13/2005	SeqNo:	319738		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		755.4		15.0	666.6	0	113	85	115	0	0		
Lube Oil		337.9		50.0	333.3	0	101	85	115	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_050413B		
Client ID:	ZZZZZ	Batch ID:	13197	TestNo:	NWTPH-Dx			Analysis Date:	4/13/2005	SeqNo:	319755		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		757.8		15.0	666.6	0	114	85	115	0	0		
Lube Oil		329.3		50.0	333.3	0	98.8	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: 0504047
Project: Powell-Mollala/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_S

TestCode: NWTPHGX_S												
Sample ID	MBLK	SampType:	MBLK	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:	4/13/2005	Run ID:	GC-I_050413B	
Client ID:	ZZZZZ	Batch ID:	13198	TestNo:	NWTPH-Gx			Analysis Date:	4/13/2005	SeqNo:	319705	
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	
Gasoline		ND		2.50								
Surr:4-Bromofluorobenzene		84.61		0	100	0		84.6	50	150	0	
											0	

TestCode: NWTPHGX_S												
Sample ID	MBLK	SampType:	MBLK	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:	4/14/2005	Run ID:	GC-I_050414A	
Client ID:	ZZZZZ	Batch ID:	13213	TestNo:	NWTPH-Gx			Analysis Date:	4/14/2005	SeqNo:	319993	
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	
Gasoline		ND		2.50								
Surr:4-Bromofluorobenzene		4.754		0	5	0		95.1	50	150	0	
											0	

TestCode: NWTPHGX_S												
Sample ID	MBLK	SampType:	MBLK	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:	4/14/2005	Run ID:	GC-I_050415B	
Client ID:	ZZZZZ	Batch ID:	13213	TestNo:	NWTPH-Gx			Analysis Date:	4/15/2005	SeqNo:	320238	
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	
Gasoline		ND		2.50								
Surr:4-Bromofluorobenzene		4.144		0	5	0		82.9	50	150	0	
											0	

TestCode: NWTPHGX_S												
Sample ID	LCS	SampType:	LCS	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:	4/13/2005	Run ID:	GC-I_050413B	
Client ID:	ZZZZZ	Batch ID:	13198	TestNo:	NWTPH-Gx			Analysis Date:	4/13/2005	SeqNo:	319706	
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	
Gasoline		28.72		2.50	30	0		95.7	53.5	121	0	
											0	

TestCode: NWTPHGX_S												
Sample ID	LCS	SampType:	LCS	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:	4/14/2005	Run ID:	GC-I_050414A	
Client ID:	ZZZZZ	Batch ID:	13213	TestNo:	NWTPH-Gx			Analysis Date:	4/14/2005	SeqNo:	319994	
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	
Gasoline		29.57		2.50	30	0		98.6	53.5	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.
WorkOrder: 0504047
Project: Powell-Mollala/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_S

Sample ID	0504047-01ADUP	SampType:	DUP	TestCode:	NWTPHGX_S	Units:	mg/Kg-dry	Prep Date:	4/13/2005	Run ID:	GC-I_050413B		
Client ID:	S1-5.8'	Batch ID:	13198	TestNo:	NWTPH-Gx			Analysis Date:	4/13/2005	SeqNo:	319714		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		3548		64.2	0	0	0	0	0	3119	12.9	20	

Sample ID	0504055-06ADUP	SampType:	DUP	TestCode:	NWTPHGX_S	Units:	mg/Kg-dry	Prep Date:	4/14/2005	Run ID:	GC-I_050414A		
Client ID:	ZZZZZ	Batch ID:	13213	TestNo:	NWTPH-Gx			Analysis Date:	4/14/2005	SeqNo:	320008		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		2.202		2.67	0	0	0	0	0	1.122	0	20	J

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_050413B		
Client ID:	ZZZZZ	Batch ID:	13198	TestNo:	NWTPH-Gx			Analysis Date:	4/13/2005	SeqNo:	319707		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		1786		2.50	2000	0	89.3	80	120	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_050413B		
Client ID:	ZZZZZ	Batch ID:	13198	TestNo:	NWTPH-Gx			Analysis Date:	4/13/2005	SeqNo:	319715		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		2725		2.50	2500	0	109	80	120	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_050414A		
Client ID:	ZZZZZ	Batch ID:	13213	TestNo:	NWTPH-Gx			Analysis Date:	4/14/2005	SeqNo:	319995		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		141		2.50	150	0	94	80	120	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_050414A		
Client ID:	ZZZZZ	Batch ID:	13213	TestNo:	NWTPH-Gx			Analysis Date:	4/14/2005	SeqNo:	320009		
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: 0504047
Project: Powell-Mollala/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_S

TestCode: NWTPHGX_S

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_050414A		
Client ID:	ZZZZZ	Batch ID:	13213	TestNo:	NWTPH-Gx			Analysis Date:	4/14/2005	SeqNo:	320009		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		127.9		2.50	125	0	102	80	120	0		0	

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_050415B		
Client ID:	ZZZZZ	Batch ID:	13213	TestNo:	NWTPH-Gx			Analysis Date:	4/15/2005	SeqNo:	320240		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		2048		2.50	2000	0	102	80	120	0		0	

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_050415B		
Client ID:	ZZZZZ	Batch ID:	13213	TestNo:	NWTPH-Gx			Analysis Date:	4/15/2005	SeqNo:	320245		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		2572		2.50	2500	0	103	80	120	0		0	

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

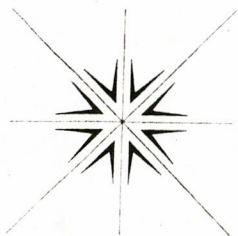
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

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 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.
- 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 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.

[illegible]



Specialty Analytical

19761 S.W. 95th Avenue
Tualatin, OR 97062
(503) 612-9007
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May 06, 2005

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

RE: Powell-Molalla / 05106

Dear John Day:

Order No.: 0504106

Specialty Analytical received 31 samples on 4/26/2005 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,

Ned Engleson
Project Manager

- Technical Review

Specialty Analytical

Date: 06-May-05

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05106

Lab Order: 0504106

Lab ID: 0504106-01

Collection Date: 4/26/2005 8:50:00 AM

Client Sample ID: B-1-7'

Matrix: SOIL

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

HOLD PER CLIENT REQUEST

Hold

PER CLIENT

HOLD

1

Analyst: ADM
4/28/2005

Lab ID: 0504106-02

Collection Date: 4/26/2005 8:55:00 AM

Client Sample ID: B-1-10'

Matrix: SOIL

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

NWTPH-DX

Diesel

67.0

NWTPH-DX

18.3

L

mg/Kg-dry

1

Analyst: tlf
4/27/2005

Lube Oil

ND

60.9

mg/Kg-dry

1

4/27/2005

Surr: o-Terphenyl

82.9

50-150

%REC

1

4/27/2005

BTEX - RBC

Benzene

ND

SW8021B

0.305

Q

mg/Kg-dry

10

Analyst: tlf
4/27/2005

Toluene

7.81

1.22

mg/Kg-dry

10

4/27/2005

Ethylbenzene

11.2

1.22

mg/Kg-dry

10

4/27/2005

Xylenes, Total

54.4

3.65

mg/Kg-dry

10

4/27/2005

Surr: 4-Bromofluorobenzene

18.4

42.6-126

S,D

%REC

10

4/27/2005

NWTPH-GX

Gasoline

1120

NWTPH-GX

30.5

mg/Kg-dry

10

Analyst: tlf
4/27/2005

Surr: 4-Bromofluorobenzene

33.4

50-150

S,D

%REC

10

4/27/2005

Lab ID: 0504106-03

Collection Date: 4/26/2005 9:40:00 AM

Client Sample ID: B-2-4'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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HOLD PER CLIENT REQUEST

Hold

PER CLIENT

HOLD

1

Analyst: ADM
4/28/2005

Specialty Analytical

Date:

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05106**Lab Order:** 0504106**Lab ID:** 0504106-04**Collection Date:** 4/26/2005 9:45:00 AM**Client Sample ID:** B-2-7'**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BTEX - RBC						
		SW8021B				Analyst: tlf
Benzene	2.10	0.296		mg/Kg-dry	10	4/27/2005
Toluene	2.79	1.18		mg/Kg-dry	10	4/27/2005
Ethylbenzene	4.89	1.18		mg/Kg-dry	10	4/27/2005
Xylenes, Total	6.02	3.55		mg/Kg-dry	10	4/27/2005
Surr: 4-Bromofluorobenzene	26.5	42.6-126	S,D	%REC	10	4/27/2005
NWTPH-GX						
		NWTPH-GX				Analyst: tlf
Gasoline	1050	29.6		mg/Kg-dry	10	4/27/2005
Surr: 4-Bromofluorobenzene	50.2	50-150		%REC	10	4/27/2005

Lab ID: 0504106-05**Collection Date:** 4/26/2005 9:55:00 AM**Client Sample ID:** B-2-11'**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST						
Hold	HOLD	PER CLIENT			1	Analyst: ADM 4/28/2005

Lab ID: 0504106-06**Collection Date:** 4/26/2005 10:00:00 AM**Client Sample ID:** B-2-13'**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST						
Hold	HOLD	PER CLIENT			1	Analyst: ADM 4/28/2005

Lab ID: 0504106-07**Collection Date:** 4/26/2005 10:10:00 AM**Client Sample ID:** B-3-3'**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST						
Hold	HOLD	PER CLIENT			1	Analyst: ADM 4/28/2005

Specialty Analytical

Date:

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05106

Lab Order: 0504106

Lab ID: 0504106-08

Collection Date: 4/26/2005 10:15:00 AM

Client Sample ID: B-3-6'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BTEX - RBC						
		SW8021B				Analyst: tlf
Benzene	ND	0.0347		mg/Kg-dry	1	4/27/2005
Toluene	ND	0.139		mg/Kg-dry	1	4/27/2005
Ethylbenzene	ND	0.139		mg/Kg-dry	1	4/27/2005
Xylenes, Total	ND	0.416		mg/Kg-dry	1	4/27/2005
Surr: 4-Bromofluorobenzene	121	42.6-126		%REC	1	4/27/2005
NWTPH-GX						
		NWTPH-GX				Analyst: tlf
Gasoline	45.7	3.47		mg/Kg-dry	1	4/27/2005
Surr: 4-Bromofluorobenzene	125	50-150		%REC	1	4/27/2005

Lab ID: 0504106-09

Collection Date: 4/26/2005 10:20:00 AM

Client Sample ID: B-3-11'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST						
Hold	HOLD		PER CLIENT			Analyst: ADM
					1	4/28/2005

Lab ID: 0504106-10

Collection Date: 4/26/2005 11:20:00 AM

Client Sample ID: B-4-3'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BTEX - RBC						
		SW8021B				Analyst: tlf
Benzene	ND	0.0333		mg/Kg-dry	1	4/27/2005
Toluene	ND	0.133		mg/Kg-dry	1	4/27/2005
Ethylbenzene	ND	0.133		mg/Kg-dry	1	4/27/2005
Xylenes, Total	ND	0.399		mg/Kg-dry	1	4/27/2005
Surr: 4-Bromofluorobenzene	117	42.6-126		%REC	1	4/27/2005
NWTPH-GX						
		NWTPH-GX				Analyst: tlf
Gasoline	ND	3.33		mg/Kg-dry	1	4/27/2005
Surr: 4-Bromofluorobenzene	114	50-150		%REC	1	4/27/2005

Specialty Analytical

Date:

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05106**Lab Order:** 0504106**Lab ID:** 0504106-11**Collection Date:** 4/26/2005 11:25:00 AM**Client Sample ID:** B-4-6'**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BTEX - RBC						
		SW8021B				Analyst: tlf
Benzene	ND	0.0333		mg/Kg-dry	1	4/27/2005
Toluene	ND	0.133		mg/Kg-dry	1	4/27/2005
Ethylbenzene	ND	0.133		mg/Kg-dry	1	4/27/2005
Xylenes, Total	ND	0.399		mg/Kg-dry	1	4/27/2005
Surr: 4-Bromofluorobenzene	123	42.6-126		%REC	1	4/27/2005
NWTPH-GX						
		NWTPH-GX				Analyst: tlf
Gasoline	ND	3.33		mg/Kg-dry	1	4/27/2005
Surr: 4-Bromofluorobenzene	117	50-150		%REC	1	4/27/2005

Lab ID: 0504106-12**Collection Date:** 4/26/2005 11:30:00 AM**Client Sample ID:** B-4-9'**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST						
Hold	HOLD	PER CLIENT			1	Analyst: ADM 4/28/2005

Lab ID: 0504106-13**Collection Date:** 4/26/2005 11:45:00 AM**Client Sample ID:** B-5-3'**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST						
Hold	HOLD	PER CLIENT			1	Analyst: ADM 4/28/2005

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0504106
Project: Powell-Molalla/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDX_S

Sample ID	MBLK	SampType:	MBLK	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:	4/25/2005	Run ID:	GC-M_050427B	
Client ID:	ZZZZZ	Batch ID:	13281	TestNo:	NWTPH-Dx			Analysis Date:	4/27/2005	SeqNo:	322010	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		ND	15.0									
Lube Oil		ND	50.0									
Surr: o-Terphenyl		29.55	0	33.33	0	88.7	50	150	0	0		

Sample ID	LCS	SampType:	LCS	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:	4/25/2005	Run ID:	GC-M_050427B	
Client ID:	ZZZZZ	Batch ID:	13281	TestNo:	NWTPH-Dx			Analysis Date:	4/27/2005	SeqNo:	322011	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		161.9	15.0	167.6	0	96.6	76.3	122	0	0		
Lube Oil		176.9	50.0	167.6	0	106	69.9	127	0	0		

Sample ID	0504092-01ADUP	SampType:	DUP	TestCode:	NWTPHDX_S	Units:	mg/Kg-dry	Prep Date:	4/27/2005	Run ID:	GC-M_050427B	
Client ID:	ZZZZZ	Batch ID:	13281	TestNo:	NWTPH-Dx			Analysis Date:	4/27/2005	SeqNo:	322018	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		ND	16.8	0	0	0	0	0	0	0	20	
Lube Oil		ND	55.9	0	0	0	0	0	0	0	20	

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_050427B	
Client ID:	ZZZZZ	Batch ID:	13281	TestNo:	NWTPH-Dx			Analysis Date:	4/27/2005	SeqNo:	322012	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		677	15.0	666.6	0	102	85	115	0	0		
Lube Oil		338.8	50.0	333.3	0	102	85	115	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_050427B	
Client ID:	ZZZZZ	Batch ID:	13281	TestNo:	NWTPH-Dx			Analysis Date:	4/27/2005	SeqNo:	322019	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		686.3	15.0	666.6	0	103	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.
WorkOrder: 0504106
Project: Powell-Molalla/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDX_S

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_050427B	
Client ID:	ZZZZZ	Batch ID:	13281	TestNo:	NWTPH-Dx			Analysis Date:	4/27/2005	SeqNo:	322019	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lube Oil		358.7	50.0	333.3	0	108	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.
WorkOrder: 0504106
Project: Powell-Molalla/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDX_W

Sample ID	MBLK	SampType:	MBLK	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:	4/27/2005	Run ID:	GC-M_050427C	
Client ID:	ZZZZZ	Batch ID:	13283	TestNo:	NWTPH-Dx			Analysis Date:	4/27/2005	SeqNo:	322028	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		ND	0.250									
Lube Oil		ND	0.500									
Surr:o-Terphenyl		0.3956	0	0.5	0	79.1	50	150	0	0		

Sample ID	LCS	SampType:	LCS	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:	4/27/2005	Run ID:	GC-M_050427C	
Client ID:	ZZZZZ	Batch ID:	13283	TestNo:	NWTPH-Dx			Analysis Date:	4/27/2005	SeqNo:	322029	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		1.826	0.250	2.5	0	73	70	130	0	0		
Lube Oil		2.385	0.500	2.5	0	95.4	70	130	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:		Run ID:	GC-M_050427C	
Client ID:	ZZZZZ	Batch ID:	13283	TestNo:	NWTPH-Dx			Analysis Date:	4/27/2005	SeqNo:	322030	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		10.16	0.250	10	0	102	85	115	0	0		
Lube Oil		5.082	0.500	5	0	102	85	115	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:		Run ID:	GC-M_050427C	
Client ID:	ZZZZZ	Batch ID:	13283	TestNo:	NWTPH-Dx			Analysis Date:	4/27/2005	SeqNo:	322033	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		10.3	0.250	10	0	103	85	115	0	0		
Lube Oil		5.381	0.500	5	0	108	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: 0504106
Project: Powell-Molalla/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_S

Sample ID	MBLK	SampType:	MBLK	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:	4/27/2005	Run ID:	GC-I_050427A		
Client ID:	ZZZZZ	Batch ID:	13286	TestNo:	NWTPH-Gx			Analysis Date:	4/27/2005	SeqNo:	321927		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		ND		0.00									

Gasoline	ND	2.50									
Surr:4-Bromofluorobenzene	4.468	0	5	0	89.4	50	150	0	0		

Sample ID	MBLK	SampType:	MBLK	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:	5/4/2005	Run ID:	GC-I_050504A		
Client ID:	ZZZZZ	Batch ID:	13337	TestNo:	NWTPH-Gx			Analysis Date:	5/4/2005	SeqNo:	323365		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		4.013		0.50									

Gasoline	4.013	2.50									
Surr:4-Bromofluorobenzene	5.228	0	5	0	105	50	150	0	0		

Sample ID	LCS	SampType:	LCS	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:	4/27/2005	Run ID:	GC-I_050427A		
Client ID:	ZZZZZ	Batch ID:	13286	TestNo:	NWTPH-Gx			Analysis Date:	4/27/2005	SeqNo:	321928		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		22.4		0.55									

Gasoline	29.4	2.50	30	0	98	53.5	121	0	0		
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Sample ID	LCS	SampType: LCS	TestCode: NWTPHGX_S	Units: mg/Kg	Prep Date: 5/4/2005	Run ID: GC-I_050504A					
Client ID: ZZZZZ		Batch ID: 13337	TestNo: NWTPH-Gx		Analysis Date: 5/4/2005	SeqNo: 323366					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	21.75	0.50									

Gasoline	31.75	2.50	30	4.013	92.4	53.5	121	0	0		B
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Sample ID	0504106-27ADUP	SampType: DUP	TestCode: NWTPHGX_S	Units: mg/Kg-dry	Prep Date: 4/27/2005	Run ID: GC-I_050427A					
Client ID:	B-9-9'	Batch ID: 13286	TestNo: NWTPH-Gx		Analysis Date: 4/27/2005	SeqNo: 321943					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	22.47	0.50									

Gasoline	22.47	3.53	0	0	0	0	0	21.93	2.42	20	
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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.
WorkOrder: 0504106
Project: Powell-Molalla/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_S

Sample ID	0504106-26ADUP	SampType:	DUP	TestCode:	NWTPHGX_S	Units:	mg/Kg-dry	Prep Date:	4/27/2005	Run ID:	GC-I_050427A		
Client ID:	B-9-6'	Batch ID:	13286	TestNo:	NWTPH-Gx			Analysis Date:	4/27/2005	SeqNo:	321945		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		10.21		3.28	0	0	0	0	0	11.74	14.0	20	

Sample ID	0504106-19ADUP	SampType:	DUP	TestCode:	NWTPHGX_S	Units:	mg/Kg-dry	Prep Date:	5/4/2005	Run ID:	GC-I_050504A		
Client ID:	B-7-3'	Batch ID:	13337	TestNo:	NWTPH-Gx			Analysis Date:	5/4/2005	SeqNo:	323369		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		ND		3.17	0	0	0	0	0	0	0	20	

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_050427A		
Client ID:	ZZZZZ	Batch ID:	13286	TestNo:	NWTPH-Gx			Analysis Date:	4/27/2005	SeqNo:	321929		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		110.4		2.50	100	0	110	80	120	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_050427A		
Client ID:	ZZZZZ	Batch ID:	13286	TestNo:	NWTPH-Gx			Analysis Date:	4/27/2005	SeqNo:	321944		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		136.1		2.50	125	0	109	80	120	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_050504A		
Client ID:	ZZZZZ	Batch ID:	13337	TestNo:	NWTPH-Gx			Analysis Date:	5/4/2005	SeqNo:	323367		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		105.3		2.50	100	0	105	80	120	0	0		B

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_050504A		
Client ID:	ZZZZZ	Batch ID:	13337	TestNo:	NWTPH-Gx			Analysis Date:	5/4/2005	SeqNo:	323370		
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: 0504106
Project: Powell-Molalla/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_S

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_050504A		
Client ID:	ZZZZZ	Batch ID:	13337	TestNo:	NWTPH-Gx			AnalysisDate:	5/4/2005	SeqNo:	323370		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		133.3		2.50	125	0	107	80	120	0	0		B

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.
WorkOrder: 0504106
Project: Powell-Molalla/05106

ANALYTICAL QC SUMMARY REPORT

TestCode: PAHLL_W

Sample ID	MB-13293	SampType:	MBLK	TestCode:	PAHLL_W	Units:	µg/L	Prep Date:	4/28/2005	Run ID:	5973G_050428B
Client ID:	ZZZZZ	Batch ID:	13293	TestNo:	8270SIM			Analysis Date:	4/28/2005	SeqNo:	322269
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0500									
Acenaphthylene	0.01	0.0500									
Anthracene	ND	0.0500									J
Benz(a)anthracene	ND	0.0500									
Benzo(a)pyrene	0.01	0.0500									
Benzo(b)fluoranthene	ND	0.0500									J
Benzo(g,h,i)perylene	ND	0.0500									
Benzo(k)fluoranthene	ND	0.0500									
Chrysene	0.01	0.0500									
Dibenz(a,h)anthracene	0.01	0.0500									J
Fluoranthene	ND	0.0500									J
Fluorene	ND	0.0500									
Indeno(1,2,3-cd)pyrene	ND	0.0500									
Naphthalene	0.02	0.0500									
Phenanthrene	ND	0.0500									J
Pyrene	ND	0.0500									
Surr: 2-Fluorobiphenyl	59.05	1.00	100	0	59	18.6	106	0	0		
Surr: Nitrobenzene-d5	71.27	1.00	100	0	71.3	17	130	0	0		
Surr: p-Terphenyl-d14	109.3	1.00	100	0	109	39.6	131	0	0		

Sample ID	LCS-13293	SampType: LCS	TestCode: PAHLL_W	Units: µg/L	Prep Date: 4/28/2005	Run ID: 5973G_050428B					
Client ID: ZZZZZ	Batch ID: 13293	TestNo: 8270SIM		Analysis Date: 4/28/2005	SeqNo: 322270						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	1.76	0.0500	2.5	0	70.4	35.1	83.6	0	0		
Benzo(g,h,i)perylene	1.72	0.0500	2.5	0	68.8	20.8	84.4	0	0		
Chrysene	2.02	0.0500	2.5	0.01	80.4	39.1	103	0	0		
Naphthalene	1.47	0.0500	2.5	0.02	58	25.6	88.8	0	0		
Phenanthrene	1.62	0.0500	2.5	0	64.8	38.1	92.9	0	0		
Pyrene	2.13	0.0500	2.5	0	85.2	41.3	101	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

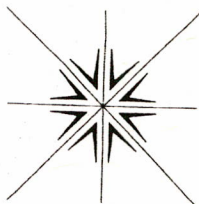
B - Analyte detected in the associated Method Blank

KEY TO FLAGS

- 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.

CHAIN OF CUSTODY RECORD

Page 1 of 2



Specialty Analytical

19761 S.W. 95th Place
Tualatin, OR 97062
(503) 612-9007 - Phone
(503) 612-8572 - Fax

Contact Person/Project Manager John Day

Company ECN

Address PTLO, OR

Phone 503 372 9760 Fax 503 213 9980

Project No. 05106 Project Name Patell-metalla

Invoice To me P.O. No. _____

Collected By:

Signature _____

Printed _____

Signature _____

Printed _____

Turn Around Time

☒ Normal

☐ Rush

Specify _____

Rush Analyses Must Be Scheduled With The Lab In Advance

Analyses

For Laboratory Use

Lab Job No. 0504106

Shipped Via _____

Air Bill No. _____

Temperature On Receipt _____ °C

Specialty Analytical Containers? Y / N

Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	Analyses	Comments	Lab I.D.
4/26/05	850	B-1-7	S	1	TPH - Gx / BTEX		
	855	B-1-10			TPH - Dx		
	940	B-2-4					
	945	B-2-7					
	955	B-2-11					
	1000	B-2-13					
	1010	B-3-3					
	1015	B-3-6					
	1020	B-3-11					
	1120	B-4-3					
	1125	B-4-6					
	1130	B-4-9					

Relinquished By:

Company: ECN

Date

Time

Received By:

Company:

Relinquished By:

Company:

Date

Time

Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.

Copies: White-Original

Yellow-Project File

Pink-Customer Copy

Received For Lab By:

Date

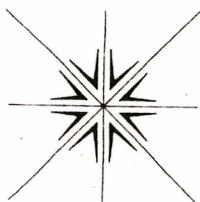
Time

Nikki Lutz

4/26/05 1615

CHAIN OF CUSTODY RECORD

Page 2 of 2



Specialty Analytical

19761 S.W. 95th Place
Tualatin, OR 97062
(503) 612-9007 - Phone
(503) 612-8572 - Fax

Contact Person/Project Manager John Day

Company CCN

Address PRD, OR

Phone 372-9760 Fax 213-9980

Project No. 05706 Project Name Fowell-Metallic

Invoice To _____ P.O. No. _____

Collected By: [Signature]

Signature _____

Printed John Day

Signature _____

Printed _____

Turn Around Time

☐ Normal

☐ Rush

Specify _____

Rush Analyses Must Be Scheduled With The Lab In Advance

No. of Containers	Analyses										For Laboratory Use	
											Lab Job No.	Shipped Via
1	IP14-6x / Box	IP14-0x									Air Bill No.	Temperature On Receipt _____ °C
											Specialty Analytical Containers? Y / N	Specialty Analytical Trip Blanks? Y / N
											Comments	Lab I.D.

Date	Time	Sample I.D.	Matrix
4/26/05	1145	B-5-3	5
	1150	B-5-7	
	1210	B-6-2	
	1215	B-6-6	
	1220	B-6-9	
	1225	B-6-11	
	1255	B-7-3	
	1300	B-7-7	
	1310	B-7-11	
	1320	B-8-3	
	1325	B-8-7	
	1330	B-8-11	

Relinquished By: [Signature] Date 4/26/05 Time 1615 Received By: _____

Company: CCN Company: _____

Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.

Copies: White-Original

Yellow-Project File

Pink-Customer Copy

Relinquished By: _____

Company: _____

Date

Time

Received For Lab By: Nikki Jeltan

Date

Time

4/26/05 1615

19761 S.W. 95th Place
Tualatin, OR 97062
(503) 612-9007 - Phone
(503) 612-8572 - Fax

Company

Address

Phone

Project No.

Invoice To

Project Name _____

P.O. No.

Signature _____

Printed.

Signature.

Printed

Turn Around Time

☒ Normal

☐ Rush

Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

Analyses

For Laboratory Use

Lab Job No.

Shipped Via

Air Bill No.

Temperature On Receipt _____ °C

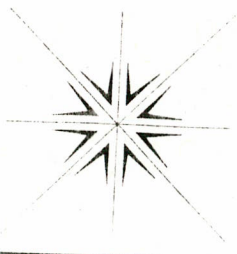
Specialty Analytical Containers? Y / N

Specialty Analytical Trip Blanks? Y / N

Comments

Lab I.D.

[illegible]



Specialty Analytical

19761 S.W. 95th Avenue
Tualatin, OR 97062
(503) 612-9007
Fax (503) 612-8572
1 (877) 612-9007

October 11, 2006

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

RE: Powell-Molalla / 05105

Dear John Day:

Order No.: 0609176

Specialty Analytical received 1 sample on 9/29/2006 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,

Ned Engleson
Project Manager

Technical Review

Specialty Analytical

Date: 11-Oct-06

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05105

Lab Order: 0609176

Lab ID: 0609176-01
Client Sample ID: T-3 Backfill

Collection Date: 9/29/2006 5:00:00 PM

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-HCID						
NWHCID						
Gasoline	Gasoline	28.3		mg/Kg-dry	1	Analyst: das 10/2/2006
Mineral Spirits	ND	28.3		mg/Kg-dry	1	10/2/2006
Kerosene	Kerosene	70.7		mg/Kg-dry	1	10/2/2006
Diesel	Diesel	70.7		mg/Kg-dry	1	10/2/2006
Lube Oil	ND	141		mg/Kg-dry	1	10/2/2006
Surr: BFB	170	50-150	S,MI	%REC	1	10/2/2006
Surr: o-Terphenyl	119	50-150		%REC	1	10/2/2006
NWTPH-DX						
NWTPH-DX						
Diesel	991	21.2		mg/Kg-dry	1	Analyst: das 10/4/2006
Kerosene	3130	84.9		mg/Kg-dry	4	10/4/2006
Lube Oil	ND	70.7		mg/Kg-dry	1	10/4/2006
Surr: o-Terphenyl	114	50-150		%REC	1	10/4/2006
BTEX - RBC						
SW8021B						
Benzene	ND	0.0354		mg/Kg-dry	1	Analyst: jrp 10/2/2006
Toluene	2.97	0.141		mg/Kg-dry	1	10/2/2006
Ethylbenzene	18.2	1.41		mg/Kg-dry	10	10/2/2006
Xylenes, Total	161	4.24		mg/Kg-dry	10	10/2/2006
Surr: 4-Bromofluorobenzene	151	42.6-126	S,MI	%REC	1	10/2/2006
NWTPH-GX						
NWTPH-GX						
Gasoline	5410	35.4		mg/Kg-dry	10	Analyst: jrp 10/3/2006
Surr: 4-Bromofluorobenzene	588	50-150	S,D	%REC	10	10/3/2006
TOTAL METALS BY ICP						
E6010						
Lead	2.85	1.61		mg/Kg	1	Analyst: zau 10/5/2006 6:24:51 PM

Specialty Analytical

Date: 11-Oct-06

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0609176
Project: Powell-Molalla/05105

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

TestCode: 6010_S

Sample ID	MBLK-16886	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	10/5/2006	Run ID:	TJAIRIS_061005A		
Client ID:	ZZZZZ	Batch ID:	16886	TestNo:	E6010			Analysis Date:	10/5/2006	SeqNo:	420499		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		ND		2.00									

Sample ID	LCS-16886	SampType:	LCS	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	10/5/2006	Run ID:	TJAIRIS_061005A		
Client ID:	ZZZZZ	Batch ID:	16886	TestNo:	E6010			Analysis Date:	10/5/2006	SeqNo:	420501		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		99.47		2.00	100	0	99.5	84.9	109	0	0		

Sample ID	0609176-01BMS	SampType:	MS	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	10/5/2006	Run ID:	TJAIRIS_061005A		
Client ID:	T-3 Backfill	Batch ID:	16886	TestNo:	E6010			Analysis Date:	10/5/2006	SeqNo:	420505		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		74.08		1.52	75.76	2.855	94	84.9	109	0	0		

Sample ID	0609176-01BMSD	SampType:	MSD	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	10/5/2006	Run ID:	TJAIRIS_061005A		
Client ID:	T-3 Backfill	Batch ID:	16886	TestNo:	E6010			Analysis Date:	10/5/2006	SeqNo:	420507		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		85		1.61	80.65	2.855	102	84.9	109	74.08	13.7	20	

Sample ID	0609176-01BDUP	SampType:	DUP	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	10/5/2006	Run ID:	TJAIRIS_061005A		
Client ID:	T-3 Backfill	Batch ID:	16886	TestNo:	E6010			Analysis Date:	10/5/2006	SeqNo:	420504		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		9.685		1.61	0	0	0	0	0	2.855	109	20	R

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: 0609176
Project: Powell-Molalla/05105

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

TestCode: 6010_S

Sample ID	CCV	SampType:	CCV	TestCode:	6010_S	Units:	mg/Kg	Prep Date:		Run ID:	TJAIRIS_061005A		
Client ID:	ZZZZZ	Batch ID:	16886	TestNo:	E6010			Analysis Date:	10/5/2006	SeqNo:	420506		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		97.86		2.00	100	0	97.9	90	110	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	6010_S	Units:	mg/Kg	Prep Date:		Run ID:	TJAIRIS_061005A		
Client ID:	ZZZZZ	Batch ID:	16886	TestNo:	E6010			Analysis Date:	10/5/2006	SeqNo:	420510		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		98.04		2.00	100	0	98	90	110	0	0		

Sample ID	ICV	SampType:	ICV	TestCode:	6010_S	Units:	mg/Kg	Prep Date:		Run ID:	TJAIRIS_061005A		
Client ID:	ZZZZZ	Batch ID:	16886	TestNo:	E6010			Analysis Date:	10/5/2006	SeqNo:	420496		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		99.15		2.00	100	0	99.2	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: 0609176
Project: Powell-Molalla/05105

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEXRBC_S

Sample ID	MBLK	SampType:	MBLK	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:	10/2/2006	Run ID:	GC-I_061002A
Client ID:	ZZZZZ	Batch ID:	16847	TestNo:	SW8021B			Analysis Date:	10/2/2006	SeqNo:	419315
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0250									J
Toluene	0.006	0.100									J
Ethylbenzene	0.0125	0.100									J
Xylenes, Total	0.1515	0.300									J
Surr:4-Bromofluorobenzene	4.82	0.0500	5	0	96.4	42.6	126	0	0		

Sample ID	LCS	SampType:	LCS	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:	10/2/2006	Run ID:	GC-I_061002A
Client ID:	ZZZZZ	Batch ID:	16847	TestNo:	SW8021B			Analysis Date:	10/2/2006	SeqNo:	419316
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.941	0.0250	1.25	0	75.3	68.7	117	0	0		
Toluene	0.9705	0.100	1.25	0.006	77.2	71.4	115	0	0		
Ethylbenzene	0.9795	0.100	1.25	0.0125	77.4	76.3	115	0	0		
Xylenes, Total	2.9	0.300	3.75	0.1515	73.3	70.1	116	0	0		

Sample ID	0609176-01AMS	SampType:	MS	TestCode:	BTEXRBC_S	Units:	mg/Kg-dry	Prep Date:	10/2/2006	Run ID:	GC-I_061002A
Client ID:	T-3 Backfill	Batch ID:	16847	TestNo:	SW8021B			Analysis Date:	10/2/2006	SeqNo:	419321
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	23.18	1.41	17.68	15.01	46.2	53.3	107	0	0		SMC
Xylenes, Total	207.9	4.24	53.04	125	156	47.5	119	0	0		SMC

Sample ID	0609176-01AMS	SampType:	MS	TestCode:	BTEXRBC_S	Units:	mg/Kg-dry	Prep Date:	10/2/2006	Run ID:	GC-I_061002A
Client ID:	T-3 Backfill	Batch ID:	16847	TestNo:	SW8021B			Analysis Date:	10/2/2006	SeqNo:	419726
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.054	0.0354	1.768	0	59.6	32.2	108	0	0		
Toluene	4.597	0.141	1.768	2.967	92.2	56.7	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: 0609176
Project: Powell-Molalla/05105

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEXRBC_S

Sample ID	0609176-01AMSD	SampType:	MSD	TestCode:	BTEXRBC_S	Units:	mg/Kg-dry	Prep Date:	10/2/2006	Run ID:	GC-I_061002A
Client ID:	T-3 Backfill	Batch ID:	16847	TestNo:	SW8021B			Analysis Date:	10/2/2006	SeqNo:	419322
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	27.83	1.41	17.68	15.01	72.5	53.3	107	0	0	20	
Xylenes, Total	252.8	4.24	53.04	125	241	47.5	119	0	0	20	S,MC

Sample ID	0609176-01AMSD	SampType:	MSD	TestCode:	BTEXRBC_S	Units:	mg/Kg-dry	Prep Date:	10/2/2006	Run ID:	GC-I_061002A
Client ID:	T-3 Backfill	Batch ID:	16847	TestNo:	SW8021B			Analysis Date:	10/2/2006	SeqNo:	419727
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.004	0.0354	1.768	0	56.8	32.2	108	1.054	4.88	20	
Toluene	4.9	0.141	1.768	2.967	109	56.7	110	4.597	6.37	20	

Sample ID	CCV	SampType:	CCV	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_061002A
Client ID:	ZZZZZ	Batch ID:	16847	TestNo:	SW8021B			Analysis Date:	10/2/2006	SeqNo:	419317
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2.408	0.0250	2.5	0	96.3	85	115	0	0		
Toluene	2.46	0.100	2.5	0	98.4	85	115	0	0		
Ethylbenzene	2.444	0.100	2.5	0	97.8	85	115	0	0		
Xylenes, Total	7.22	0.300	7.5	0	96.3	85	115	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_061002A
Client ID:	ZZZZZ	Batch ID:	R43556	TestNo:	SW8021B			Analysis Date:	10/2/2006	SeqNo:	419723
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2.468	0.0250	2.5	0	98.7	85	115	0	0		
Toluene	2.513	0.100	2.5	0	101	85	115	0	0		
Ethylbenzene	2.516	0.100	2.5	0	101	85	115	0	0		
Xylenes, Total	7.476	0.300	7.5	0	99.7	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: 0609176
Project: Powell-Molalla/05105

ANALYTICAL QC SUMMARY REPORT

TestCode: HCID_NW

Sample ID	MBLK	SampType:	MBLK	TestCode:	HCID_NW	Units:	mg/Kg	Prep Date:	10/2/2006	Run ID:	GC-M_061002B
Client ID:	ZZZZZ	Batch ID:	16852	TestNo:	NWHCID			Analysis Date:	10/2/2006	SeqNo:	419680
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	0.78	20.0									
Mineral Spirits	ND	20.0									J
Kerosene	ND	50.0									
Diesel	ND	50.0									
Lube Oil	8.03	100									
Surr: BFB	95.6	0	100	0	95.6	50	150	0	0		J
Surr: o-Terphenyl	97.1	0	100	0	97.1	50	150	0	0		

Sample ID	0609172-06ADUP	SampType:	DUP	TestCode:	HCID_NW	Units:	mg/Kg-dry	Prep Date:	10/2/2006	Run ID:	GC-M_061002B
Client ID:	ZZZZZ	Batch ID:	16852	TestNo:	NWHCID			Analysis Date:	10/2/2006	SeqNo:	419687
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	1.697	22.6	0	0	0	0	0	1.81	0	20	J
Mineral Spirits	ND	22.6	0	0	0	0	0	0	0	20	
Kerosene	ND	56.6	0	0	0	0	0	0	0	20	
Diesel	21.95	56.6	0	0	0	0	0	0	0	20	
Lube Oil	72.06	113	0	0	0	0	0	18.67	0	20	J
								59.73	0	20	J

Sample ID	0609176-01ADUP	SampType:	DUP	TestCode:	HCID_NW	Units:	mg/Kg-dry	Prep Date:	10/2/2006	Run ID:	GC-M_061002B
Client ID:	T-3 Backfill	Batch ID:	16852	TestNo:	NWHCID			Analysis Date:	10/2/2006	SeqNo:	419689
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	1024	28.3	0	0	0	0	0	2001	64.6	20	R
Mineral Spirits	ND	28.3	0	0	0	0	0	0	0	20	
Kerosene	1024	70.7	0	0	0	0	0	0	200	20	R
Diesel	305.8	70.7	0	0	0	0	0	690.8	77.3	20	R
Lube Oil	ND	141	0	0	0	0	0	23.06	0	20	

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: 0609176
Project: Powell-Molalla/05105

ANALYTICAL QC SUMMARY REPORT

TestCode: HCID_NW

Sample ID	0610002-01ADUP	SampType:	DUP	TestCode:	HCID_NW	Units:	mg/Kg-dry	Prep Date:	10/2/2006	Run ID:	GC-M_061002B
Client ID:	ZZZZZ	Batch ID:	16852	TestNo:	NWHCID			Analysis Date:	10/2/2006	SeqNo:	419691
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	24.93	28.5	0	0	0	0	0	50.28	0	20	J
Mineral Spirits	ND	28.5	0	0	0	0	0	0	0	20	
Kerosene	ND	71.2	0	0	0	0	0	0	0	20	
Diesel	112.1	71.2	0	0	0	0	0	0	0	20	
Lube Oil	8.262	142	0	0	0	0	0	217.4	63.9	20	RF
								13.53	0	20	J

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: 0609176
Project: Powell-Molalla/05105

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDX_S

TestCode: NWTPHDX_S											
Sample ID	MB-16875	SampType:	MBLK	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:	10/3/2006	Run ID:	GC-M_061004A
Client ID:	ZZZZZ	Batch ID:	16875	TestNo:	NWTPH-Dx			Analysis Date:	10/4/2006	SeqNo:	420131
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Diesel		3.333		15.0							
Hydraulic Oil		ND		50.0							J
Kerosene		ND		15.0							
Lube Oil		ND		50.0							
Surr: o-Terphenyl		35.73		0	33.33	0	107	50	150	0	0

TestCode: NWTPHDX_S											
Sample ID	LCS-16875	SampType:	LCS	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:	10/3/2006	Run ID:	GC-M_061004A
Client ID:	ZZZZZ	Batch ID:	16875	TestNo:	NWTPH-Dx			Analysis Date:	10/4/2006	SeqNo:	420132
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Diesel		198.7		15.0	167	3.333	117	76.3	125	0	0
Lube Oil		170.4		50.0	167	0	102	69.9	127	0	0

TestCode: NWTPHDX_S											
Sample ID	0610010-01ADUP	SampType:	DUP	TestCode:	NWTPHDX_S	Units:	mg/Kg-dry	Prep Date:	10/3/2006	Run ID:	GC-M_061004A
Client ID:	ZZZZZ	Batch ID:	16875	TestNo:	NWTPH-Dx			Analysis Date:	10/4/2006	SeqNo:	420134
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Diesel		7.382		20.6	0	0	0	0	0	9.399	0 20 J
Lube Oil		ND		68.8	0	0	0	0	0	0	0 20

TestCode: NWTPHDX_S											
Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_061004A
Client ID:	ZZZZZ	Batch ID:	16875	TestNo:	NWTPH-Dx			Analysis Date:	10/4/2006	SeqNo:	420130
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Diesel		938.4		15.0	833.3	0	113	85	115	0	0
Kerosene		381.4		15.0	400	0	95.3	85	115	0	0
Lube Oil		401.5		50.0	400	0	100	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: 0609176
Project: Powell-Molalla/05105

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDX_S

TestCode: NWTPHDX_S

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_061004A			
Client ID:	ZZZZZ	Batch ID:	16875	TestNo:	NWTPH-Dx			Analysis Date:	10/4/2006	SeqNo:	420142			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		1059		15.0	1000	0		106	85	115	0	0		
Kerosene		478		15.0	500	0		95.6	85	115	0	0		
Lube Oil		502.2		50.0	500	0		100	85	115	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_061004A			
Client ID:	ZZZZZ	Batch ID:	16875	TestNo:	NWTPH-Dx			Analysis Date:	10/6/2006	SeqNo:	420652			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydraulic Oil		375.4		50.0	400	0		93.9	85	115	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_061004A			
Client ID:	ZZZZZ	Batch ID:	16875	TestNo:	NWTPH-Dx			Analysis Date:	10/6/2006	SeqNo:	420655			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydraulic Oil		367.9		50.0	400	0		92	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.
WorkOrder: 0609176
Project: Powell-Molalla/05105

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_S

TestCode: NWTPHGX_S

Sample ID	MBLK	SampType:	MBLK	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:	10/2/2006	Run ID:	GC-I_061002B		
Client ID:	ZZZZZ	Batch ID:	16846	TestNo:	NWTPH-Gx			Analysis Date:	10/2/2006	SeqNo:	419324		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		ND		2.50									
Surr:4-Bromofluorobenzene		4.866		0	5	0	97.3	50	150	0	0		

Sample ID	LCS	SampType:	LCS	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:	10/2/2006	Run ID:	GC-I_061002B		
Client ID:	ZZZZZ	Batch ID:	16846	TestNo:	NWTPH-Gx			Analysis Date:	10/2/2006	SeqNo:	419325		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		50.13		2.50	50	0	100	53.5	121	0	0		

Sample ID	0609176-01ADUP	SampType:	DUP	TestCode:	NWTPHGX_S	Units:	mg/Kg-dry	Prep Date:	10/2/2006	Run ID:	GC-I_061002B		
Client ID:	T-3 Backfill	Batch ID:	16846	TestNo:	NWTPH-Gx			Analysis Date:	10/3/2006	SeqNo:	419579		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		5569		35.4	0	0	0	0	0	5405	2.98	20	

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_061002B		
Client ID:	ZZZZZ	Batch ID:	16846	TestNo:	NWTPH-Gx			Analysis Date:	10/2/2006	SeqNo:	419326		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		114		2.50	125	0	91.2	80	120	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_061002B		
Client ID:	ZZZZZ	Batch ID:	16846	TestNo:	NWTPH-Gx			Analysis Date:	10/2/2006	SeqNo:	419331		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		132.2		2.50	125	0	106	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: 0609176
Project: Powell-Molalla/05105

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_S

TestCode: NWTPHGX_S

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_061002B		
Client ID:	ZZZZZ	Batch ID:	16846	TestNo:	NWTPH-Gx			Analysis Date:	10/3/2006	SeqNo:	419577		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		123		2.50	125	0	98.4	80	120	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-I_061002B		
Client ID:	ZZZZZ	Batch ID:	16846	TestNo:	NWTPH-Gx			Analysis Date:	10/3/2006	SeqNo:	419758		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		141		2.50	125	0	113	80	120	0	0		

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

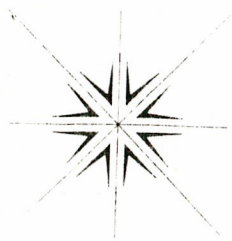
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

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.

Relinquished By:		Date	Time	Received By:				
Company: <i>CCW</i>		9/24/00	1840	Company:	Relinquished By:		Date	Time
Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.					Company:			
Copies: White-Original		Yellow-Project File		Pink-Customer Copy		Received For Lab By:	Date	Time
						<i>Blaker JH</i>	9/29/00	1840



Specialty Analytical

19761 S.W. 95th Avenue
Tualatin, OR 97062
(503) 612-9007
Fax (503) 612-8572
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October 12, 2006

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

RE: Powell-Molalla / 05105

Dear John Day:

Order No.: 0610020

Specialty Analytical received 12 samples on 10/4/2006 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,

Ned Engleson
Project Manager

Technical Review

Specialty Analytical

Date: 12-Oct-06

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05105

Lab Order: 0610020

Lab ID: 0610020-01

Collection Date: 10/4/2006 3:00:00 PM

Client Sample ID: T1-S-13'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						
Diesel	ND	19.1	A3	mg/Kg-dry	1	Analyst: jrp 10/5/2006
Kerosene	251	19.1		mg/Kg-dry	1	10/6/2006
Lube Oil	ND	63.5		mg/Kg-dry	1	10/5/2006
Surr: o-Terphenyl	108	50-150		%REC	1	10/5/2006
BTEX - RBC						
Benzene	ND	0.0318		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Toluene	ND	0.127		mg/Kg-dry	1	10/5/2006
Ethylbenzene	ND	0.127		mg/Kg-dry	1	10/5/2006
Xylenes, Total	9.19	0.381		mg/Kg-dry	1	10/5/2006
Surr: 4-Bromofluorobenzene	71.2	42.6-126		%REC	1	10/5/2006
NWTPH-GX						
Gasoline	1520	31.8		mg/Kg-dry	10	Analyst: jrp 10/5/2006
Surr: 4-Bromofluorobenzene	308	50-150	S,MI	%REC	10	10/5/2006
VOLATILES BY GC/MS						
1,2,4-Trimethylbenzene	76.3	10.0		µg/Kg	1	Analyst: bda 10/11/2006 1:54:00 PM
1,2-Dibromoethane	ND	100	Q	µg/Kg	10	10/11/2006 1:20:00 PM
1,2-Dichloroethane	ND	10.0		µg/Kg	1	10/11/2006 1:54:00 PM
1,3,5-Trimethylbenzene	20.2	10.0		µg/Kg	1	10/11/2006 1:54:00 PM
Benzene	ND	10.0		µg/Kg	1	10/11/2006 1:54:00 PM
Ethylbenzene	142	100		µg/Kg	10	10/11/2006 1:20:00 PM
Isopropylbenzene	557	100		µg/Kg	10	10/11/2006 1:20:00 PM
m,p-Xylene	ND	200	Q	µg/Kg	10	10/11/2006 1:20:00 PM
Methyl tert-butyl ether	ND	10.0		µg/Kg	1	10/11/2006 1:54:00 PM
n-Propylbenzene	2440	500		µg/Kg	50	10/11/2006 3:03:00 PM
Naphthalene	14.7	10.0		µg/Kg	1	10/11/2006 1:54:00 PM
o-Xylene	ND	100	Q	µg/Kg	10	10/11/2006 1:20:00 PM
Toluene	ND	100	Q	µg/Kg	10	10/11/2006 1:20:00 PM
Surr: 1,2-Dichloroethane-d4	52.0	71.5-112	S,MI	%REC	1	10/11/2006 1:54:00 PM
Surr: 4-Bromofluorobenzene	132	75.7-122	S,MI	%REC	10	10/11/2006 1:20:00 PM
Surr: Dibromofluoromethane	59.9	64.3-124	S,MI	%REC	1	10/11/2006 1:54:00 PM
Surr: Toluene-d8	130	74.9-120	S,MI	%REC	10	10/11/2006 1:20:00 PM

Specialty Analytical

Date: 12-Oct-06

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05105

Lab Order: 0610020

Lab ID: 0610020-02

Collection Date: 10/4/2006 2:45:00 PM

Client Sample ID: T1-N-13'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						
Diesel	ND	19.7		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Lube Oil	ND	65.8		mg/Kg-dry	1	10/5/2006
Surr: o-Terphenyl	111	50-150		%REC	1	10/5/2006
BTEX - RBC						
SW8021B						
Benzene	ND	0.0329		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Toluene	ND	0.132		mg/Kg-dry	1	10/5/2006
Ethylbenzene	ND	0.132		mg/Kg-dry	1	10/5/2006
Xylenes, Total	ND	0.395		mg/Kg-dry	1	10/5/2006
Surr: 4-Bromofluorobenzene	67.5	42.6-126		%REC	1	10/5/2006
NWTPH-GX						
NWTPH-GX						
Gasoline	ND	3.29		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Surr: 4-Bromofluorobenzene	64.5	50-150		%REC	1	10/5/2006

Lab ID: 0610020-03

Collection Date: 10/4/2006 1:55:00 PM

Client Sample ID: T2-S-13.5'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						
Diesel	ND	19.9	A3	mg/Kg-dry	1	Analyst: jrp 10/5/2006
Kerosene	51.1	19.9		mg/Kg-dry	1	10/6/2006
Lube Oil	ND	66.5		mg/Kg-dry	1	10/5/2006
Surr: o-Terphenyl	110	50-150		%REC	1	10/5/2006
BTEX - RBC						
SW8021B						
Benzene	ND	0.0332		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Toluene	ND	0.133		mg/Kg-dry	1	10/5/2006
Ethylbenzene	0.189	0.133		mg/Kg-dry	1	10/5/2006
Xylenes, Total	0.503	0.399		mg/Kg-dry	1	10/5/2006
Surr: 4-Bromofluorobenzene	70.9	42.6-126		%REC	1	10/5/2006
NWTPH-GX						
NWTPH-GX						
Gasoline	76.2	3.32		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Surr: 4-Bromofluorobenzene	79.5	50-150		%REC	1	10/5/2006

Specialty Analytical

Date: 12-Oct-06

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05105

Lab Order: 0610020

Lab ID: 0610020-04

Collection Date: 10/4/2006 2:05:00 PM

Client Sample ID: T2-N-13'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						
Diesel	ND	18.5		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Lube Oil	ND	61.5		mg/Kg-dry	1	10/5/2006
Surr: o-Terphenyl	110	50-150		%REC	1	10/5/2006
BTEX - RBC						
Benzene	ND	0.0308		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Toluene	ND	0.123		mg/Kg-dry	1	10/5/2006
Ethylbenzene	ND	0.123		mg/Kg-dry	1	10/5/2006
Xylenes, Total	ND	0.369		mg/Kg-dry	1	10/5/2006
Surr: 4-Bromofluorobenzene	71.6	42.6-126		%REC	1	10/5/2006
NWTPH-GX						
Gasoline	ND	3.08		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Surr: 4-Bromofluorobenzene	68.3	50-150		%REC	1	10/5/2006

Lab ID: 0610020-05

Collection Date: 10/4/2006 11:45:00 AM

Client Sample ID: T3-S-13'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						
Diesel	ND	22.4		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Lube Oil	ND	74.6		mg/Kg-dry	1	10/5/2006
Surr: o-Terphenyl	102	50-150		%REC	1	10/5/2006
BTEX - RBC						
Benzene	ND	0.0373		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Toluene	ND	0.149		mg/Kg-dry	1	10/5/2006
Ethylbenzene	ND	0.149		mg/Kg-dry	1	10/5/2006
Xylenes, Total	ND	0.448		mg/Kg-dry	1	10/5/2006
Surr: 4-Bromofluorobenzene	70.6	42.6-126		%REC	1	10/5/2006
NWTPH-GX						
Gasoline	ND	3.73		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Surr: 4-Bromofluorobenzene	69.3	50-150		%REC	1	10/5/2006

Specialty Analytical

Date: 12-Oct-06

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05105

Lab Order: 0610020

Lab ID: 0610020-06

Collection Date: 10/4/2006 11:35:00 AM

Client Sample ID: T3-N-13'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						
Diesel	ND	18.7		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Lube Oil	ND	62.2		mg/Kg-dry	1	10/5/2006
Surr: o-Terphenyl	110	50-150		%REC	1	10/5/2006
BTEX - RBC						
Benzene	ND	0.0311		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Toluene	ND	0.124		mg/Kg-dry	1	10/5/2006
Ethylbenzene	ND	0.124		mg/Kg-dry	1	10/5/2006
Xylenes, Total	ND	0.373		mg/Kg-dry	1	10/5/2006
Surr: 4-Bromofluorobenzene	66.0	42.6-126		%REC	1	10/5/2006
NWTPH-GX						
Gasoline	ND	3.11		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Surr: 4-Bromofluorobenzene	62.8	50-150		%REC	1	10/5/2006

Lab ID: 0610020-07

Collection Date: 10/4/2006 12:00:00 PM

Client Sample ID: T4-S-13'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						
Diesel	ND	20.5		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Lube Oil	ND	68.2		mg/Kg-dry	1	10/5/2006
Surr: o-Terphenyl	111	50-150		%REC	1	10/5/2006
BTEX - RBC						
Benzene	ND	0.0341		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Toluene	ND	0.136		mg/Kg-dry	1	10/5/2006
Ethylbenzene	ND	0.136		mg/Kg-dry	1	10/5/2006
Xylenes, Total	ND	0.409		mg/Kg-dry	1	10/5/2006
Surr: 4-Bromofluorobenzene	75.3	42.6-126		%REC	1	10/5/2006
NWTPH-GX						
Gasoline	4.93	3.41		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Surr: 4-Bromofluorobenzene	69.0	50-150		%REC	1	10/5/2006

Specialty Analytical

Date: 12-Oct-06

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05105**Lab Order:** 0610020**Lab ID:** 0610020-08**Collection Date:** 10/4/2006 11:35:00 AM**Client Sample ID:** T4-N-13'**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						
Diesel	ND	18.2		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Lube Oil	ND	60.5		mg/Kg-dry	1	10/5/2006
Surr: o-Terphenyl	118	50-150		%REC	1	10/5/2006
BTEX - RBC						
Benzene	ND	0.0303		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Toluene	ND	0.121		mg/Kg-dry	1	10/5/2006
Ethylbenzene	ND	0.121		mg/Kg-dry	1	10/5/2006
Xylenes, Total	ND	0.363		mg/Kg-dry	1	10/5/2006
Surr: 4-Bromofluorobenzene	68.5	42.6-126		%REC	1	10/5/2006
NWTPH-GX						
Gasoline	ND	3.03		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Surr: 4-Bromofluorobenzene	65.5	50-150		%REC	1	10/5/2006

Lab ID: 0610020-09**Collection Date:** 10/4/2006 2:10:00 PM**Client Sample ID:** T2/3-SSW-7'**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						
Diesel	ND	21.7		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Lube Oil	ND	72.5		mg/Kg-dry	1	10/5/2006
Surr: o-Terphenyl	106	50-150		%REC	1	10/5/2006
BTEX - RBC						
Benzene	ND	0.0362		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Toluene	ND	0.145		mg/Kg-dry	1	10/5/2006
Ethylbenzene	ND	0.145		mg/Kg-dry	1	10/5/2006
Xylenes, Total	ND	0.435		mg/Kg-dry	1	10/5/2006
Surr: 4-Bromofluorobenzene	67.9	42.6-126		%REC	1	10/5/2006
NWTPH-GX						
Gasoline	ND	3.62		mg/Kg-dry	1	Analyst: jrp 10/5/2006
Surr: 4-Bromofluorobenzene	65.3	50-150		%REC	1	10/5/2006

Specialty Analytical

Date: 12-Oct-06

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05105

Lab Order: 0610020

Lab ID: 0610020-10

Collection Date: 10/4/2006 9:25:00 AM

Client Sample ID: W DISP-2'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						Analyst: jrp
Diesel	8290	176		mg/Kg-dry	10	10/6/2006
Lube Oil	ND	58.8	A3	mg/Kg-dry	1	10/5/2006
Surr: o-Terphenyl	639	50-150	S,MI	%REC	1	10/5/2006
BTEX - RBC						Analyst: jrp
Benzene	ND	0.0294		mg/Kg-dry	1	10/5/2006
Toluene	ND	0.118		mg/Kg-dry	1	10/5/2006
Ethylbenzene	ND	0.118		mg/Kg-dry	1	10/5/2006
Xylenes, Total	ND	0.353		mg/Kg-dry	1	10/5/2006
Surr: 4-Bromofluorobenzene	72.0	42.6-126		%REC	1	10/5/2006
NWTPH-GX						Analyst: jrp
Gasoline	68.8	2.94	A	mg/Kg-dry	1	10/5/2006
Surr: 4-Bromofluorobenzene	65.3	50-150		%REC	1	10/5/2006

Lab ID: 0610020-11

Collection Date: 10/4/2006 9:35:00 AM

Client Sample ID: M DISP-2'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						Analyst: jrp
Diesel	1200	16.2		mg/Kg-dry	1	10/5/2006
Lube Oil	ND	54.1		mg/Kg-dry	1	10/5/2006
Surr: o-Terphenyl	234	50-150	S,MI	%REC	1	10/5/2006
BTEX - RBC						Analyst: jrp
Benzene	ND	0.0270		mg/Kg-dry	1	10/5/2006
Toluene	ND	0.108		mg/Kg-dry	1	10/5/2006
Ethylbenzene	0.119	0.108		mg/Kg-dry	1	10/5/2006
Xylenes, Total	ND	0.324		mg/Kg-dry	1	10/5/2006
Surr: 4-Bromofluorobenzene	75.4	42.6-126		%REC	1	10/5/2006
NWTPH-GX						Analyst: jrp
Gasoline	16.0	2.70	A	mg/Kg-dry	1	10/5/2006
Surr: 4-Bromofluorobenzene	72.9	50-150		%REC	1	10/5/2006

Specialty Analytical

Date: 12-Oct-06

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05105

Lab Order: 0610020

Lab ID: 0610020-12

Collection Date: 10/4/2006 9:40:00 AM

Client Sample ID: E DISP-2'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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NWTPH-DX

Diesel

23.4

NWTPH-DX

15.9

mg/Kg-dry

1

10/5/2006

Lube Oil

ND

53.2

mg/Kg-dry

1

10/5/2006

Surr: o-Terphenyl

121

50-150

%REC

1

10/5/2006

Analyst: jrp

BTEX - RBC

Benzene

ND

SW8021B

0.0266

mg/Kg-dry

1

10/5/2006

Toluene

ND

0.106

mg/Kg-dry

1

10/5/2006

Ethylbenzene

ND

0.106

mg/Kg-dry

1

10/5/2006

Xylenes, Total

ND

0.319

mg/Kg-dry

1

10/5/2006

Surr: 4-Bromofluorobenzene

75.0

42.6-126

%REC

1

10/5/2006

Analyst: jrp

NWTPH-GX

Gasoline

5.64

NWTPH-GX

2.66

A

mg/Kg-dry

1

10/5/2006

Surr: 4-Bromofluorobenzene

71.1

50-150

%REC

1

10/5/2006

Analyst: jrp

Specialty Analytical

Date: 12-Oct-06

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0610020
Project: Powell-Molalla/05105

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID	MB-16915	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	10/10/2006	Run ID:	5973L_061010A
Client ID:	ZZZZZ	Batch ID:	16915	TestNo:	SW8260B			Analysis Date:	10/10/2006	SeqNo:	421483
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	10.0									
1,1,1-Trichloroethane	ND	10.0									
1,1,2,2-Tetrachloroethane	ND	10.0									
1,1,2-Trichloroethane	ND	10.0									
1,1-Dichloroethane	ND	10.0									
1,1-Dichloroethene	ND	10.0									
1,1-Dichloropropene	ND	10.0									
1,2,3-Trichlorobenzene	4.52	10.0									
1,2,3-Trichloropropane	ND	10.0									J
1,2,4-Trichlorobenzene	4.09	10.0									
1,2,4-Trimethylbenzene	ND	10.0									J
1,2-Dibromo-3-chloropropane	ND	10.0									
1,2-Dibromoethane	ND	10.0									
1,2-Dichlorobenzene	ND	10.0									
1,2-Dichloroethane	ND	10.0									
1,2-Dichloropropane	ND	10.0									
1,3,5-Trimethylbenzene	ND	10.0									
1,3-Dichlorobenzene	ND	10.0									
1,3-Dichloropropane	ND	10.0									
1,4-Dichlorobenzene	ND	10.0									
2,2-Dichloropropane	ND	10.0									
2-Butanone	ND	20.0									
2-Chlorotoluene	ND	10.0									
2-Hexanone	ND	20.0									
4-Chlorotoluene	ND	10.0									
4-Isopropyltoluene	ND	10.0									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	50.0									
Acrylonitrile	ND	50.0									
Benzene	ND	10.0									

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: 0610020
Project: Powell-Molalla/05105

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID	MB-16915	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date: 10/10/2006	Run ID: 5973L_061010A					
Client ID: ZZZZZ	Batch ID: 16915	TestNo: SW8260B			Analysis Date: 10/10/2006	SeqNo: 421483					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	ND	10.0									
Bromochloromethane	ND	10.0									
Bromodichloromethane	ND	10.0									
Bromoform	ND	10.0									
Bromomethane	ND	10.0									
Carbon disulfide	ND	10.0									
Carbon tetrachloride	ND	10.0									
Chlorobenzene	ND	10.0									
Chloroethane	ND	10.0									
Chloroform	1.29	10.0									
Chloromethane	ND	10.0									J
cis-1,2-Dichloroethene	ND	10.0									
cis-1,3-Dichloropropene	ND	10.0									
Dibromochloromethane	ND	10.0									
Dibromomethane	ND	10.0									
Dichlorodifluoromethane	ND	10.0									
Ethylbenzene	ND	10.0									
Hexachlorobutadiene	ND	10.0									
Isopropylbenzene	ND	10.0									
m,p-Xylene	ND	20.0									
Methyl tert-butyl ether	ND	10.0									
Methylene chloride	ND	50.0									
n-Butylbenzene	ND	10.0									
n-Propylbenzene	ND	10.0									
Naphthalene	7.71	10.0									
o-Xylene	ND	10.0									J
sec-Butylbenzene	ND	10.0									
Styrene	ND	10.0									
tert-Butylbenzene	ND	10.0									
Tetrachloroethene	ND	10.0									
Toluene	ND	10.0									

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: 0610020
Project: Powell-Molalla/05105

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID MB-16915		SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date: 10/10/2006	Run ID: 5973L_061010A					
Client ID: ZZZZZ		Batch ID: 16915	TestNo: SW8260B	Analysis Date: 10/10/2006			SeqNo: 421483				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	10.0									
trans-1,3-Dichloropropene	ND	10.0									
Trichloroethene	ND	10.0									
Trichlorofluoromethane	ND	10.0									
Vinyl chloride	ND	10.0									
Surr:1,2-Dichloroethane-d4	105.9	0	100	0	106	71.5	112	0	0		
Surr:4-Bromofluorobenzene	96.77	0	100	0	96.8	75.7	122	0	0		
Surr:Dibromofluoromethane	107	0	100	0	107	64.3	124	0	0		
Surr:Toluene-d8	98.83	0	100	0	98.8	74.9	120	0	0		

Sample ID	LCS-16915	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date: 10/10/2006	Run ID: 5973L_061010A					
Client ID: ZZZZZ	Batch ID: 16915	TestNo: SW8260B	Analysis Date: 10/10/2006			SeqNo: 421482					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	39.18	10.0	40	0	98	65.4	133	0	0		
Benzene	39.38	10.0	40	0	98.4	78	123	0	0		
Chlorobenzene	35.2	10.0	40	0	88	79.5	125	0	0		
Toluene	35.66	10.0	40	0	89.2	77.5	132	0	0		
Trichloroethene	38.52	10.0	40	0	96.3	72.4	124	0	0		

Sample ID	0610013-04BMS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date: 10/10/2006	Run ID: 5973L_061010A					
Client ID:	ZZZZZ	Batch ID: 16915	TestNo: SW8260B		Analysis Date: 10/10/2006	SeqNo: 421490					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	44.37	10.0	40	0	111	69.2	158	0	0		
Benzene	46.16	10.0	40	0	115	71.7	147	0	0		
Chlorobenzene	39.54	10.0	40	0	98.8	75	148	0	0		
Toluene	40.79	10.0	40	0	102	75.8	153	0	0		
Trichloroethene	44.3	10.0	40	0	111	77.1	138	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: 0610020
Project: Powell-Molalla/05105

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID	0610013-04BMSD	SampType:	MSD	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	10/10/2006	Run ID:	5973L_061010A
Client ID:	ZZZZZ	Batch ID:	16915	TestNo:	SW8260B			Analysis Date:	10/10/2006	SeqNo:	421491
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	38.49	10.0	40	0	96.2	69.2	158	44.37	14.2	20	
Benzene	39.93	10.0	40	0	99.8	71.7	147	46.16	14.5	20	
Chlorobenzene	34.49	10.0	40	0	86.2	75	148	39.54	13.6	20	
Toluene	35.39	10.0	40	0	88.5	75.8	153	40.79	14.2	20	
Trichloroethene	38.24	10.0	40	0	95.6	77.1	138	44.3	14.7	20	

Sample ID	CCV-16915	SampType:	CCV	TestCode:	8260_S	Units:	µg/Kg	Prep Date:		Run ID:	5973L_061010A
Client ID:	ZZZZZ	Batch ID:	16915	TestNo:	SW8260B			Analysis Date:	10/10/2006	SeqNo:	421481
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	65.82	10.0	60	0	110	80	120	0	0		
1,2-Dichloropropane	62.54	10.0	60	0	104	80	120	0	0		
Chloroform	64.72	10.0	60	0	108	80	120	0	0		
Ethylbenzene	58.91	10.0	60	0	98.2	80	120	0	0		
Toluene	58.84	10.0	60	0	98.1	80	120	0	0		
Vinyl chloride	56.42	10.0	60	0	94	80	120	0	0		

Sample ID	CCV-16915	SampType:	CCV	TestCode:	8260_S	Units:	µg/Kg	Prep Date:		Run ID:	5973L_061010A
Client ID:	ZZZZZ	Batch ID:	16915	TestNo:	SW8260B			Analysis Date:	10/11/2006	SeqNo:	421751
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	62.39	10.0	60	0	104	80	120	0	0		
1,2-Dichloropropane	60.24	10.0	60	0	100	80	120	0	0		
Chloroform	60.12	10.0	60	0	100	80	120	0	0		
Ethylbenzene	55.04	10.0	60	0	91.7	80	120	0	0		
Toluene	55.34	10.0	60	0	92.2	80	120	0	0		
Vinyl chloride	53.4	10.0	60	0	89	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: 0610020
Project: Powell-Molalla/05105

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEXRBC_S

Sample ID	0610020-08AMSD	SampType:	MSD	TestCode:	BTEXRBC_S	Units:	mg/Kg-dry	Prep Date:	10/5/2006	Run ID:	GC-H_061005A	
Client ID:	T4-N-13'	Batch ID:	16885	TestNo:	SW8021B			Analysis Date:	10/5/2006	SeqNo:	420247	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total		4.274	0.363	4.54	0.007869	94	47.5	119	4.199	1.76	20	

Sample ID	CCV	SampType:	CCV	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-H_061005A	
Client ID:	ZZZZZ	Batch ID:	16885	TestNo:	SW8021B			Analysis Date:	10/5/2006	SeqNo:	420235	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		2.604	0.0250	2.5	0	104	85	115	0	0		
Toluene		2.618	0.100	2.5	0	105	85	115	0	0		
Ethylbenzene		2.68	0.100	2.5	0	107	85	115	0	0		
Xylenes, Total		8.106	0.300	7.5	0	108	85	115	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	BTEXRBC_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-H_061005A	
Client ID:	ZZZZZ	Batch ID:	16885	TestNo:	SW8021B			Analysis Date:	10/5/2006	SeqNo:	420239	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		2.104	0.0250	2	0	105	85	115	0	0		
Toluene		2.124	0.100	2	0	106	85	115	0	0		
Ethylbenzene		2.175	0.100	2	0	109	85	115	0	0		
Xylenes, Total		6.602	0.300	6	0	110	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: 0610020
Project: Powell-Molalla/05105

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDX_S

Sample ID	MBLK	SampType:	MBLK	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:	10/4/2006	Run ID:	GC-M_061005A	
Client ID:	ZZZZZ	Batch ID:	16881	TestNo:	NWTPH-Dx			Analysis Date:	10/5/2006	SeqNo:	420289	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		4.806	15.0									
Lube Oil		ND	50.0									J
Surr: o-Terphenyl		36.67	0	33.33	0	110	50	150	0	0		

Sample ID	LCS	SampType:	LCS	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:	10/4/2006	Run ID:	GC-M_061005A	
Client ID:	ZZZZZ	Batch ID:	16881	TestNo:	NWTPH-Dx			Analysis Date:	10/5/2006	SeqNo:	420290	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		191.4	15.0	166.6	4.806	112	76.3	125	0	0		
Lube Oil		166.8	50.0	166.6	0	100	69.9	127	0	0		

Sample ID	0610020-09ADUP	SampType:	DUP	TestCode:	NWTPHDX_S	Units:	mg/Kg-dry	Prep Date:	10/4/2006	Run ID:	GC-M_061005A	
Client ID:	T2/3-SSW-7'	Batch ID:	16881	TestNo:	NWTPH-Dx			Analysis Date:	10/5/2006	SeqNo:	420295	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		8.536	21.7	0	0	0	0	0	10.18	0	20	J
Lube Oil		ND	72.5	0	0	0	0	0	0	0	20	

Sample ID	0610017-08ADUP	SampType:	DUP	TestCode:	NWTPHDX_S	Units:	mg/Kg-dry	Prep Date:	10/4/2006	Run ID:	GC-M_061005A	
Client ID:	ZZZZZ	Batch ID:	16881	TestNo:	NWTPH-Dx			Analysis Date:	10/5/2006	SeqNo:	420557	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		6.052	20.3	0	0	0	0	0	5.926	0	20	J
Lube Oil		ND	67.8	0	0	0	0	0	0	0	20	

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_061005A	
Client ID:	ZZZZZ	Batch ID:	16881	TestNo:	NWTPH-Dx			Analysis Date:	10/5/2006	SeqNo:	420291	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		851.3	15.0	799.9	0	106	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.
WorkOrder: 0610020
Project: Powell-Molalla/05105

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDX_S

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_061005A		
Client ID:	ZZZZZ	Batch ID:	16881	TestNo:	NWTPH-Dx			Analysis Date:	10/5/2006	SeqNo:	420291		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lube Oil		393.1		50.0	400	0	98.3	85	115	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_061005A		
Client ID:	ZZZZZ	Batch ID:	16881	TestNo:	NWTPH-Dx			Analysis Date:	10/5/2006	SeqNo:	420296		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		850.5		15.0	799.9	0	106	85	115	0	0		
Lube Oil		395.4		50.0	400	0	98.9	85	115	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_061005A		
Client ID:	ZZZZZ	Batch ID:	16881	TestNo:	NWTPH-Dx			Analysis Date:	10/5/2006	SeqNo:	420558		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		718.8		15.0	666.6	0	108	85	115	0	0		
Lube Oil		373.2		50.0	400	0	93.3	85	115	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_061005A		
Client ID:	ZZZZZ	Batch ID:	16881	TestNo:	NWTPH-Dx			Analysis Date:	10/5/2006	SeqNo:	420568		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		868.4		15.0	799.9	0	109	85	115	0	0		
Lube Oil		457.9		50.0	500	0	91.6	85	115	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_061005A		
Client ID:	ZZZZZ	Batch ID:	16881	TestNo:	NWTPH-Dx			Analysis Date:	10/6/2006	SeqNo:	420647		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		883.9		15.0	799.9	0	111	85	115	0	0		
Kerosene		495.2		15.0	500	0	99.1	85	115	0	0		
Lube Oil		396.3		50.0	400	0	99.1	85	115	0	0		

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 R - RPD outside accepted recovery limits

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CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0610020
Project: Powell-Molalla/05105

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDX_S

TestCode: NWTPHDX_S

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_061005A		
Client ID:	ZZZZZ	Batch ID:	16881	TestNo:	NWTPH-Dx			Analysis Date:	10/6/2006	SeqNo:	420651		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Kerosene		498.1		15.0	500	0	99.6	85	115	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_061005A		
Client ID:	ZZZZZ	Batch ID:	16881	TestNo:	NWTPH-Dx			Analysis Date:	10/6/2006	SeqNo:	420672		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Kerosene		497		15.0	500	0	99.4	85	115	0	0		

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CLIENT: Environmental Compliance Northwest, Inc.
WorkOrder: 0610020
Project: Powell-Molalla/05105

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_S

TestCode: NWTPHGX_S

Sample ID	MBLK	SampType:	MBLK	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:	10/5/2006	Run ID:	GC-H_061005B		
Client ID:	ZZZZZ	Batch ID:	16884	TestNo:	NWTPH-Gx			Analysis Date:	10/5/2006	SeqNo:	420269		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		0.6805		2.50									
Surr:4-Bromofluorobenzene		3.65		0	5	0	73	50	150	0	0		J

Sample ID	LCS	SampType:	LCS	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:	10/5/2006	Run ID:	GC-H_061005B		
Client ID:	ZZZZZ	Batch ID:	16884	TestNo:	NWTPH-Gx			Analysis Date:	10/5/2006	SeqNo:	420270		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		52.47		2.50	50	0.6805	104	53.5	121	0	0		

Sample ID	0610020-06ADUP	SampType:	DUP	TestCode:	NWTPHGX_S	Units:	mg/Kg-dry	Prep Date:	10/5/2006	Run ID:	GC-H_061005B		
Client ID:	T3-N-13'	Batch ID:	16884	TestNo:	NWTPH-Gx			Analysis Date:	10/5/2006	SeqNo:	420572		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		1.37		3.11	0	0	0	0	0	2.049	0	20	J

Sample ID	0610020-08ADUP	SampType:	DUP	TestCode:	NWTPHGX_S	Units:	mg/Kg-dry	Prep Date:	10/5/2006	Run ID:	GC-H_061005B		
Client ID:	T4-N-13'	Batch ID:	16884	TestNo:	NWTPH-Gx			Analysis Date:	10/5/2006	SeqNo:	420575		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		ND		3.03	0	0	0	0	0	0	0	20	

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-H_061005B		
Client ID:	ZZZZZ	Batch ID:	16884	TestNo:	NWTPH-Gx			Analysis Date:	10/5/2006	SeqNo:	420271		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		126.4		2.50	125	0	101	80	120	0	0		

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CLIENT: Environmental Compliance Northwest, Inc.
WorkOrder: 0610020
Project: Powell-Molalla/05105

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_S

TestCode: NWTPHGX_S

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-H_061005B		
Client ID:	ZZZZZ	Batch ID:	16884	TestNo:	NWTPH-Gx			Analysis Date:	10/5/2006	SeqNo:	420275		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		113.3		2.50	115	0	98.5	80	120	0		0	

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-H_061005B		
Client ID:	ZZZZZ	Batch ID:	16884	TestNo:	NWTPH-Gx			Analysis Date:	10/5/2006	SeqNo:	420580		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		121.8		2.50	125	0	97.4	80	120	0		0	

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