

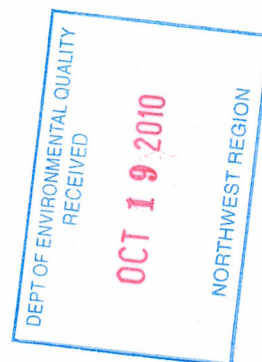
ADDITIONAL SITE ASSESSMENT AND MONITORING WELL INSTALLATION REPORT

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

ECN PROJECT No. 05-106



October 14, 2010





ENVIRONMENTAL COMPLIANCE NORTHWEST

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October 14, 2010
ECN Project No. 05-106

Mr. Jason Powell
Powell Distributing Company
9125 North Burrage
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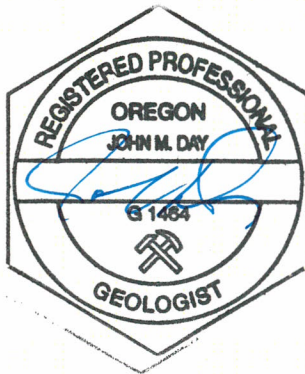
**SUBJECT: Site Assessment and UST
Decommissioning Report
Molalla Kwik Gas
305 West Main Street
Molalla, Oregon
DEQ LUST File No.: 03-05-461**

Dear Mr. Powell:

Environmental Compliance Northwest, Inc., (ECN) 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.
Principal Geologist
President

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1.0 INTRODUCTION

This report describes the additional site assessment and monitoring well installation activities conducted in April 2007 at the former 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 to soil and groundwater associated with the former fuel underground storage tank (UST) system previously decommissioned 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 detail facility. A former 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 former 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, verbal discussions with Powell Distributing Company (Powell) personnel, and activities observed and conducted by ECN. The facility operated since at least 1977 until 2005 and consisted of a retail fueling and automotive repair facility. The former 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.

In March 2005, ECN conducted initial site assessment activities consisting of drilling two hand auger borings adjacent to the fuel product piping. Subsurface soil sampling indicated the presence of petroleum hydrocarbon impact to soil in to the maximum explored depth of 8.5 feet below ground surface (bgs).

Also in March 2005, ECN conducted site assessment activities, including drilling a total of nine soil borings. Seven borings were completed adjacent and in the vicinity of the underground product piping trench. Two of the borings were completed adjacent to the former fuel island. Petroleum hydrocarbons were detected in soil samples collected from each boring, with the exception of the boring completed located near the northwest corner of the former service station

building. Grab groundwater samples were collected from four of the borings. Petroleum hydrocarbons were detected in each grab groundwater sample collected.

Between September and October 2006, the UST system (consisting of four USTs and underground product piping) were decommissioned by removal. Two soil samples were collected from beneath each UST. In addition, one soil sample was collected from the south sidewall of the UST cavity and from beneath each of the three former fuel dispensers.

Petroleum hydrocarbons were not detected the soil samples collected from beneath the former USTs, with the exception of the southeastern portion of the former UST cavity, near the location where the product piping entered the cavity. Gasoline- and diesel-range hydrocarbons were detected in the soil samples collected from the former fuel dispensers (ECN, 2007).

4.0 FIELD ACTIVITIES

The following sections describe the additional site assessment and monitoring well installation activities.

4.1 SOIL AND GROUNDWATER ASSESSMENT

A total of four monitoring wells (MW-1 through MW-4) were installed and two soil borings (B-101 and B-102) were drilled on May 24, 2007. Monitoring well MW-1 is located adjacent to the western property boundary, due west of the existing building. Monitoring well MW-2 is located near the northwest corner of the site, adjacent to the former UST cavity. Monitoring well MW-3 is located east of the former fuel dispenser island. Monitoring well MW-4 is located near the former underground product piping, adjacent to the location where the highest petroleum hydrocarbon concentrations were detected in the previous ECN site assessment (ECN, 2007). Borings B-101 and B-102 were drilled north and east of the existing building, respectively, to further define soil and groundwater impacts. Figure 2 shows the locations of the monitoring wells and borings.

The monitoring wells and soil borings were drilled by Cascade Drilling (Cascade), based in Portland, Oregon, using hollow-stem auger drilling technology. The well bores were drilled and sampled to a maximum depth of approximately 25 feet below the ground surface (bgs). The soil borings were drilled to a maximum depth of approximately 15 feet bsg. Boring logs are presented in Appendix A.

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

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

4.2 GRAB GROUNDWATER SAMPLE COLLECTION

Accumulated water in soil borings B-102 and B-102 was allowed to recharge overnight prior to sampling. On May 25, 2007, the accumulated water in the two soil borings was collected using disposable polyethylene bailers. The water samples were placed in an iced cooler, and transported to Specialty Analytical following chain-of-custody protocols.

4.3 MONITORING WELL INSTALLATION AND DEVELOPMENT

Monitoring wells MW-1 through MW-4 were installed on May 24, 2007, in accordance with the Oregon Water Resources Department (WRD) guidelines.

The monitoring well borings were completed to a maximum depth of approximately 25 feet bgs. All wells were constructed with factory-slotted, schedule 40 polyvinyl chloride (PVC) well screen consisting of 0.010-inch 2-inch diameter slotted PVC casing from 5 feet to 25 feet (MW-1) and 5 feet to 20 feet (MW-2 through MW-4) bgs, with a 5 foot section of blank PVC casing extending to the ground surface. The annulus between the well casing and the well bore was filled with sand to approximately 1-foot above the screened interval. The remaining annulus was filled with a bentonite seal. The wells were completed flush at the ground surface with trafficked monuments. Well construction details are shown on the boring logs included in Appendix A.

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

On June 5, 2007, water level measurements were recorded, and the presence of light non-aqueous phase liquid (LNAPL) was assessed in each well. LNAPL was not observed in any of the monitoring wells. The wells were then purged of groundwater to obtain water samples representative of the groundwater in the water-bearing zone. Purging was performed until a minimum of three well casing volumes were evacuated and/or the indicator parameters of pH, temperature, and specific conductivity stabilized. Groundwater samples were collected using a disposable polyethylene bailer, placed in an iced cooler, and transported to Specialty Analytical following chain-of-custody protocols.

5.0 ANALYTICAL TEST METHODS

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

5.1 SOIL ANALYTICAL TEST METHODS

Select soil samples from each boring were analyzed for gasoline-range hydrocarbons (gasoline) by Northwest Method NWTPH-Gx, and diesel-range hydrocarbons (diesel) and lube oil-range petroleum hydrocarbons (lube oil) by Northwest Method NWTPH-Dx. Selected soil samples were also analyzed for the DEQ risk-based decision making (RBDM) volatile organic hydrocarbons (VOCs) by EPA Method 8260B. In addition, soil sample MW-4-10' was analyzed for polynuclear aromatic hydrocarbons (PAHs) by DEQ Method 8270SIM. Soil analytical results are summarized in Tables 1 and 2 and shown on Figure 3.

5.2 GROUNDWATER ANALYTICAL TEST METHODS

Each groundwater sample collected was analyzed for DEQ risk-based decision making (RBDM) or total VOCs by EPA method 8260B; gasoline-range hydrocarbons by Northwest Method NWTPH-Gx; and diesel- and lube-oil range hydrocarbons by Northwest Method NWTPH-Dx (except the water sample collected from boring, where insufficient water was collected for NWTPH-Dx analysis). Groundwater samples collected from monitoring well MW-4, borings B-101 and B-102 were also analyzed for dissolved lead by EPA Method 6010. In addition, the groundwater samples collected from each monitoring well, as well as boring B-102 were analyzed for PAHs by DEQ Method 8270SIM. Groundwater analytical results are summarized in Tables 3 and 4 and shown on Figure 5.

6.0 FINDINGS

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

6.1 PHYSICAL RESULTS-ADDITIONAL SITE ASSESSMENT

Soil encountered during the May 2007 additional site assessment generally consisted of soft to firm sandy silt or silty+ fine sand to between 8 and 16 feet bgs. Beneath the silt/silty sand, dense sandy/silty gravel and gravelly sand was encountered to the total explored depth of approximately 25 feet bgs. Boring logs with monitoring well construction details, where applicable, are presented in Appendix A.

6.2 SOIL ANALYTICAL RESULTS

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

Field Results

Field screening results (visual and olfactory) indicated that soil collected from well borings MW-3, MW-4, and boring B-102 may be impacted by petroleum hydrocarbons.

Laboratory Results

MW-1, MW-2, and B-101

MW-1-10', MW-2-10', and B-101-10': Diesel- lube oil-, and gasoline-range hydrocarbons were not detected at or above the laboratory reporting limits in the soil samples collected from 10 feet bgs.

MW-3

MW-3-5': Diesel- and lube oil-range hydrocarbons were not detected at or above the laboratory reporting limits. Gasoline-range hydrocarbons were detected at 8.84 milligrams per kilogram (mg/kg). RBDM VOCs were not detected at or above the laboratory reporting limits.

MW-4

MW-4-3': Diesel-range hydrocarbons (556 mg/kg); kerosene-range hydrocarbons (335 mg/kg); lube oil-range hydrocarbons (308 mg/kg); gasoline-range hydrocarbons (682 mg/kg); benzene (0.019 mg/kg); ethylbenzene (0.0945 mg/kg); total xylenes (0.0762 mg/kg); 1,2,4-trimethylbenzene (1,2,4-TMB) (20.20 mg/kg); 1,3,5 TMB (0.0161 mg/kg); iso-propylbenzene (IPB) (0.303 mg/kg); n-propylbenene (NPB) (0.927 mg/kg); and naphthlene (0.754 mg/kg) were detected in the soil sample collected from 3 feet bgs.

MW-4-10': Diesel-range hydrocarbons (54 mg/kg); gasoline-range hydrocarbons (445 mg/kg); ethylbenzene (0.758 mg/kg); total xylenes (0.372 mg/kg); 1,3,5-TMB (0.603 mg/kg); IPB (0.561); NPB (1.650 mg/kg); and naphthalene (1.080 mg/g) were detected in the soil sample collected from 12 feet bgs. In addition, the following PAHs were detected: acenaphthene (0.010 mg/kg); and fluorine (0.020 mg/kg) were detected.

B-102

B-102-10': Gasoline-range hydrocarbons (3.37 mg/kg) were detected in the soil sample collected from 10 feet bgs. Diesel- and lube oil-range hydrocarbons, as well as RBDM VOC constituents, were not detected at or above the laboratory reporting limits.

6.3 GROUNDWATER MONITORING AND SAMPLING RESULTS

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

Physical

The depth to water in the monitoring wells, as measured on June 5, 2007, ranged from 7.16 to 13.82 feet below the top of well casings. The overall groundwater flow directed was interpreted to be toward to the west-southwest beneath the site, at an average hydraulic gradient of approximately 0.11 feet per foot. The groundwater elevation and flow direction data for the second quarter 2007 monitoring event are shown on Figure 4.

Chemical

MW-1: Diesel- and lube oil-range hydrocarbons (247 and 116 micrograms per liter [$\mu\text{g/L}$], respectively); gasoline-range hydrocarbons (624 $\mu\text{g/L}$); benzene (104 $\mu\text{g/L}$); toluene (7.16 $\mu\text{g/L}$); ethylbenzene (51.2 $\mu\text{g/L}$); total xylenes (67.4 $\mu\text{g/L}$); 1,2,4-TMB (9.34 $\mu\text{g/L}$); 1,3,5-TMB 5.98 $\mu\text{g/L}$); IPB (2.95 $\mu\text{g/L}$); and NPB (5.04 $\mu\text{g/L}$) were detected. The following PAH was also detected: naphthalene (10.135 $\mu\text{g/L}$).

MW-2: Diesel-range hydrocarbons (237 $\mu\text{g/L}$). Gasoline-range hydrocarbons, benzene, toluene, ethylene, total xylenes (BTEX), and PAHs were not detected at or above the laboratory reporting limits

MW-3: Diesel- and lube oil-range hydrocarbons were not detected. Gasoline-range hydrocarbons (363 $\mu\text{g/L}$), toluene (0.84 $\mu\text{g/L}$), and ethylbenzene (204 $\mu\text{g/L}$) were detected. In addition, the following PAHs were detected: fluorine (0.0792 $\mu\text{g/L}$) and naphthalene (0.287 $\mu\text{g/L}$).

MW-4: Diesel-and lube oil-range hydrocarbons (2,060 and 3,500 $\mu\text{g/L}$, respectively); gasoline-range hydrocarbons (7,370 $\mu\text{g/L}$); benzene (326 $\mu\text{g/L}$); toluene (5.97 $\mu\text{g/L}$); ethylbenzene (216 $\mu\text{g/L}$); total xylenes (336.2 $\mu\text{g/L}$); 1,2,4-TMB (236 $\mu\text{g/L}$); 1,3,5-TMB (55 $\mu\text{g/L}$); IPB (34.4 $\mu\text{g/L}$); methyl tertiary-butyl benzene (MTBE) (6.92 $\mu\text{g/L}$); NPB (66.2 $\mu\text{g/L}$); naphthalene (55.6 $\mu\text{g/L}$); and dissolved lead (14 $\mu\text{g/L}$) were detected. The following PAHs were also detected:

acenaphthene (0.0115 µg/L), fluorine (0.136 µg/L), naphthalene (83.4 µg/L), and phenanthrene (0.0630 µg/L).

B-102: Gasoline-range hydrocarbons were not detected at or above the corresponding laboratory reporting limits. Benzene (504 µg/L), toluene (9.77 µg/L), total xylenes (3.9 µg/L), and MTBE (7.34 µg/L) were detected. The following PAH constituent was also detected: naphthalene (0.135 µg/L). Groundwater analytical results are summarized in Tables 3 and 4, and are shown on Figure 5. Laboratory reports are included in Appendix B.

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 additional site assessment activities exceeding the Level 2 Soil Matrix cleanup levels include: MW-4-3' (556 mg/kg diesel and 682 mg/kg gas) and MW-4-10' (445 mg/kg gas). The soil matrix score sheet was included in the previous ECN report (ECN, 2007).

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 and 2003). This guidance document listed Risk-Based Concentration (RBC) cleanup levels that are based on current and

potential future land and water uses at a site. The RBC cleanup levels were most recently published in September 2009 (DEQ, 2009).

A detailed assessment of potential exposure pathways has not yet been conducted for the site. Although a conceptual site model has not been completed, based on our current knowledge of site conditions, the potentially complete exposure pathways for soil are considered to be: 1) 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

None of soil samples analyzed from the additional site assessment exceeded the corresponding potentially applicable RBC cleanup levels. The RBC cleanup levels for soil are listed in the most recently published DEQ RBDM guidance document (DEQ, 2009) and are summarized in Tables 1 and 2.

Groundwater

None of the grab groundwater samples or the groundwater samples collected during the initial groundwater sampling event exceeded the potentially applicable RBC levels considered for the site. The RBC cleanup levels for groundwater are listed in the most recently published DEQ RBDM guidance document (DEQ, 2009) and are summarized in Tables 3 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.

ECN 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. 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 indicated that residual diesel- and gasoline-range hydrocarbons were present in the southern portion of the site.

A total of four groundwater monitoring wells and two soil borings were completed at the site in May 2007. Soil encountered during the additional site assessment was relatively consistent with previous investigations: silt and/or silty sand, underlain by dense silty/sandy gravel and/or gravelly sand to the maximum explored depth of approximately 25 feet bgs.

Petroleum hydrocarbons were detected in the soil samples analyzed from two of the monitoring well borings (MW-3 and MW4) and one soil boring (B-102). Only the soil samples analyzed from monitoring well boring MW-4 exceeded potentially applicable cleanup levels (Level 2 soil matrix cleanup).

The shallow water-zone beneath the site was encountered at depths ranging from approximately 7 to 14 feet bgs in the monitoring wells. The shallow groundwater flow was inferred to be generally toward the west-southwest. Petroleum hydrocarbons were detected in each groundwater sample collected, with the exception of boring B-101. None of the groundwater samples collected exceeded the above-referenced potential exposure pathway RBCs.

Based on the results of the additional site assessment, it appears that the extent of petroleum hydrocarbon impacts associated with the former UST system to soil and the shallow water-bearing zone have adequately been defined. A discussion for possible passive remediation (i.e., enhanced oxygen diffusion) in the vicinity of monitoring well MW-4 may be appropriate.

9.0 REFERENCES

ECN, 2007. Site Assessment and UST Decommissioning Report, Molalla Kwik Gas, 305 West Main Street, Molalla, Oregon, DEQ File No. 03-05-461. April 17.

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.

Oregon Department of Environmental Quality, 2009. Risk-Based Concentrations for Individual Chemicals. September 15.

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

TABLE 1
Soil Analytical Results - TPH-Dx, TPH-Gx, and RBDM VOCs
Additional Site Assessment
Former Molalla Kwik Gas
Main Street
Molalla, Oregon
ECN Project No. 05-106



Sample ID	Date of Sampling	Depth Feet bsg	TPH-Dx [1]			TPH-G [2]	B [3]	T [3]	E [3]	X [3]	1,2,4-TMB [4]	EDB [4]	EDC [4]	1,3,5-TMB [4]	IPB [4]	MTBE [4]	NPB [4]	Naphthalene [4]	LAB
			Diesel	Kerosene	Lube Oil														
MW-1-10'	5/24/2007	10	ND<20.1	---	ND<66.9	ND<3.35	---	---	---	---	---	---	---	---	---	---	---	---	SA
MW-2-10'	5/24/2007	10	ND<18.5	---	ND<61.5	ND<3.08	---	---	---	---	---	---	---	---	---	---	---	---	SA
MW-3-5'	5/24/2007	5	ND<20.6	---	ND<68.6	8.84	ND<0.010	ND<0.010	ND<0.010	ND<0.030	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	0.0358	SA
MW-4-3'	5/24/2007	3	556	335	308	682	0.019	ND<0.010	0.0945	0.0762	20.200	ND<0.010	ND<0.010	0.0161	0.303	ND<0.010	0.927	0.754	SA
MW-4-10'	5/24/2007	10	54	---	ND<63.1	445	ND<0.010	ND<0.010	0.758	0.372	3.210	ND<0.010	ND<0.010	0.603	0.561	ND<0.010	1.650	1.080	SA
B-101-5'	5/24/2007	5	ND<17.8	---	ND<59.5	ND<2.97	---	---	---	---	---	---	---	---	---	---	---	---	SA
B-102-10'	5/24/2007	10	ND<18.0	---	ND<60.0	3.37	ND<0.010	ND<0.010	ND<0.010	ND<0.030	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	SA
Soil Matrix Cleanup Level (Level 2) [7]			500	500	500	80	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	
Risk-Based Concentrations [8]																			
- Occ. Vapor Intrusion Into buildings			>Max	NE	NE	>Max	1.2	>Csat	12	>Csat	1,000	0.14	0.59	150	>Csat	74	NE	99	
- Occ. Volatilization to Outdoor Air			>Max	NE	NE	100,000	50	>Max	160	>Csat	>Csat	0.65	15	>Csat (211)	>Csat	1,500	NE	27	
- Soil ingestion, Dermal Contact, and Inhalation for a Construction Worker			23,000	NE	NE	13,000	340	>Csat	>Csat	>Csat	>Csat	8.1	180	>Csat	>Csat	>Csat	NE	>Csat	
- Soil ingestion, Dermal Contact, and Inhalation for an Excavation Worker			>Max	NE	NE	>Max	>Csat	>Max	>Csat	>Max	>Csat	230	5,000	>Csat	>Max	>Csat	NE	>Csat	

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. Soil concentrations in excess of Csat indicate that free product might be present.

BOLD Exceeds the soil matrix cleanup level and/or RBC

TABLE 2
SOIL ANALYTICAL RESULTS-PAHs
Additional Site Assessment
Former Molalla Kwik Gas
Main Street
Molalla, Oregon
ECN Project No. 05-106



Polynuclear Aromatic Hydrocarbons (mg/kg) [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	Date	Sample Depth (feet)																	
MW-4-10'	5/24/2007	10	0.010	ND<0.00667	ND<0.00667	ND<0.00667	ND<0.00667	ND<0.00667	ND<0.00667	ND<0.00667	ND<0.00667	ND<0.00667	ND<0.00667	0.020	ND<0.00667	ND<0.00667	ND<0.00667	ND<0.00667	SA
Risk-Based Concentrations [2]																			
- Occ. Vapor Intrusion Into buildings			>Max	NE	>Max	NV	NV	NV	NE	NV	NV	NV	NV	>Max	NV	99.00	NE	NV	
- Occ. Volatilization to Outdoor Air			>Max	NE	>Max	NV	NV	NV	NE	NV	NV	NV	NV	>Max	NV	27.00	NE	NV	
- Surface Soil Ingestion, Dermal Contact, and Inhalation for an Excavation Worker			>Csat	NE	>Csat	>Csat	2.10	>Csat	NE	>Csat	>Csat	2.10	>Csat	>Csat	>Csat	>Csat	NE	>Csat	
- Surface Soil Ingestion, Dermal Contact, and Inhalation for an Excavation Worker			>Max	NE	>Max	>Csat	>Csat	>Csat	NE	>Csat	>Csat	>Csat	>Max	>Max	>Csat	>Csat	NE	>Max	

ND not detected at or above the indicated laboratory reporting limit
SA Specialty Analytical
mg/kg = Milligrams per Kilogram

[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

>Max: The constiuent 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. Soil concentrations in excess of Csat indicate that free product might be present.

TABLE 3
Groundwater Analytical Results - TPH-Dx, TPH-G, RBDM VOCs, and Dissolved Lead
Former Kwik Gas Station
305 West Main Street
Molalla, Oregon
ECN Project No. 05-106



Well I.D.	Date of Sampling	Casing Elevation (Feet)	Depth to Water (Feet)	Groundwater Elevation (Feet)	TPH-Dx [1]		TPH-G [2]	B [3]	T [3]	E [3]	X [3]	1,2,4-TMB [3]	EDB [3]	EDC [3]	1,3,5-TMB [3]	IPB [3]	MTBE [3]	NPB [3]	Naph-thalene [3]	Dissolved Lead [4]	LAB
					Diesel	Lube Oil															
MW-1	6/5/2007	94.77	13.82	80.95	247	116	624	40.5	7.16	51.2	67.4	9.34	ND<1.00	ND<1.00	5.98	2.95	ND<1.00	5.04	ND<1.00	---	SA
MW-2	6/5/2007	93.73	9.36	84.37	237	ND<100	ND<100	ND<0.300	ND<0.500	ND<0.500	ND<1.50	---	---	---	---	---	---	---	---	---	SA
MW-3	6/5/2007	93.44	6.65	86.79	ND<49.9	ND<49.9	363	ND<0.300	0.84	2.04	ND<1.50	---	---	---	---	---	---	---	---	---	SA
MW-4	6/5/2007	94.10	7.16	86.94	2,060	3,500	7,370	326	5.97	216	336.2	239	ND<1.00	ND<1.00	55	34.4	6.92	66.2	55.6	14	SA
B-101	5/25/2007	---	---	---	ND<252	ND<504	ND<100	ND<0.400	ND<1.00	ND<1.00	ND<3.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	SA
B-102	5/25/2007	---	---	---	---	---	ND<100	5.04	9.77	ND<1.00	3.9	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	7.24	ND<1.00	ND<1.00	ND<1.00	SA
Risk-Based Concentrations [5]																					
- Volatilization to Outdoor Air (Occupational)					>S	NE	>S	14,000	>S	41,000	>S	>S	960	9,500	6,800	>S	1,000,000	NE	16,000	NV	
- Vapor Intrusion Into Buildings (Occupational)					>S	NE	>S	2,800	>S	7,400	>S	>S	690	3,800	41,000	>S	590,000	NE	10,000	NV	
- Groundwater in an Excavation (Construction and Excavation Worker)					>S	NE	13,000	1,700	210,000	4,400	23,000	1,700	28	630	1,400	>S	62,000	NE	500	>S	

ABBREVIATIONS:
B: Benzene
T: Toluene
E: Ethylbenzene
X: Total Xylenes
MTBE: Metyl tertiary-butyl ether
ND: Not detected at or above the indicated laboratory reporting limit
NE: Not established by DEQ
>S: The groundwater RBC exceeds the solubility limit.
NV: This chemical is considered "nonvolatile" for purposes of the exposure calculations

Results are in micrograms per liter (µg/L)
(1) Northwest Method NWTPH-Dx
(2) Northwest Method NWTPH-Gx
(3) EPA Method 8021B Or 8260B
(4) EPA Method 6011
(5) Oregon Department of Environmental Quality (DEQ) Generic Risk Based Concentrations (RBCs)
SA Specialty Analytical
BOLD Exceeds the RBC

TABLE 4
Groundwater Analytical Results (PAHs)
Additional Site Assessment
Molalla Kwik Gas
305 West Main Street
Molalla, Oregon
ECNW Project No. 05-106

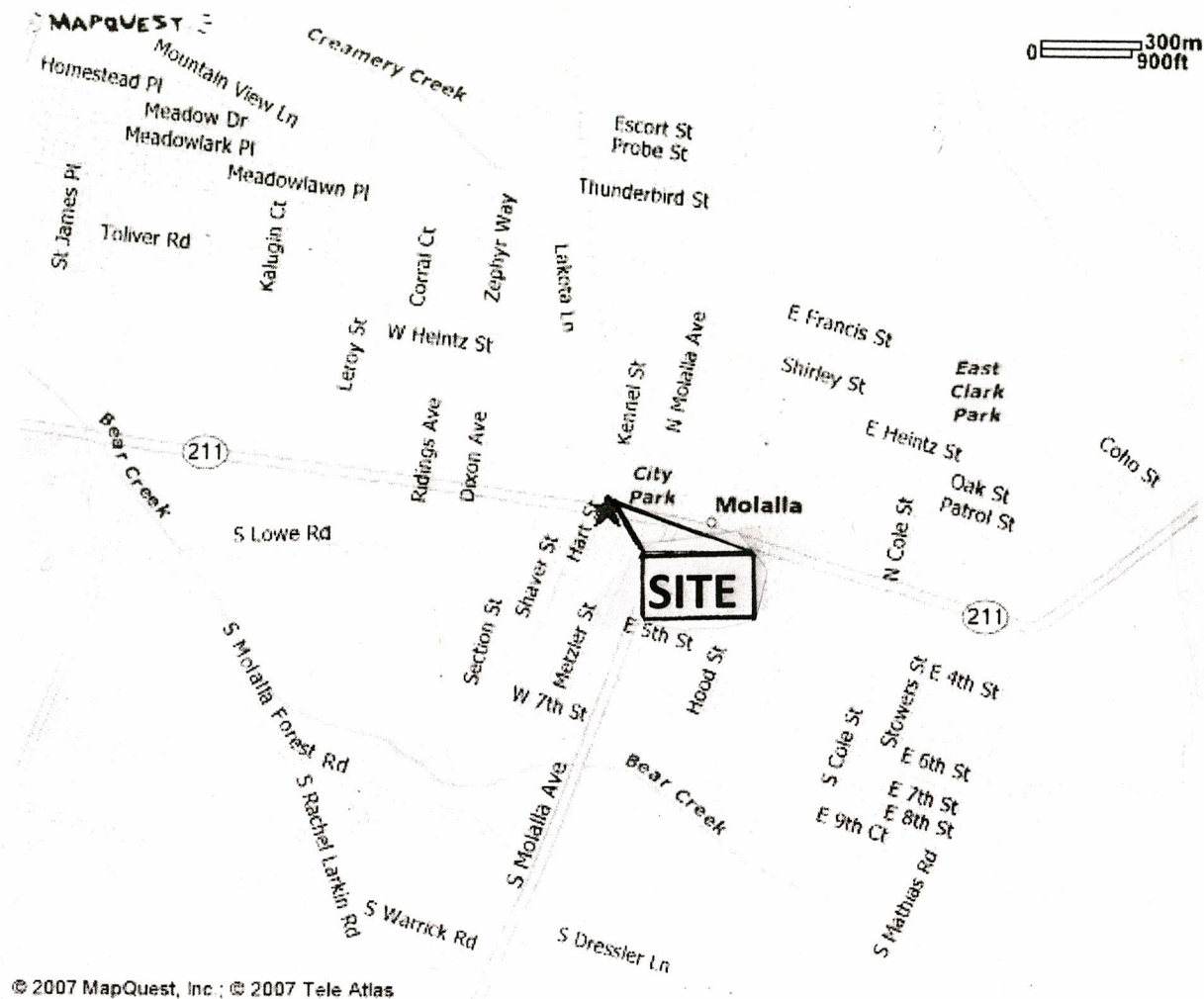


Polynuclear Aromatic Hydrocarbons (µg/L) [1]		Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoroanthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	LAB
Sample Identification	Sample Date																	
B-102	5/25/2007	ND<0.0484	ND<0.0484	ND<0.0484	ND<0.0484	ND<0.0484	ND<0.0484	ND<0.0484	ND<0.0484	ND<0.0484	ND<0.0484	ND<0.0484	ND<0.0484	ND<0.0484	0.135	ND<0.0484	ND<0.0484	SA
MW-1	6/5/2007	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	ND<0.0503	ND<0.0503	ND<0.0503	ND<0.0503	2.81	ND<0.0503	ND<0.0503	SA
MW-2	6/5/2007	ND<0.0498	ND<0.0498	ND<0.0498	ND<0.0498	ND<0.0498	ND<0.0498	ND<0.0498	ND<0.0498	ND<0.0498	ND<0.0498	ND<0.0498	ND<0.0498	ND<0.0498	ND<0.0498	ND<0.0498	ND<0.0498	SA
MW-3	6/5/2007	ND<0.0495	ND<0.0495	ND<0.0495	ND<0.0495	ND<0.0495	ND<0.0495	ND<0.0495	ND<0.0495	ND<0.0495	ND<0.0495	ND<0.0495	0.0792	ND<0.0495	0.287	ND<0.0495	ND<0.0495	SA
MW-4	6/5/2007	0.115	ND<0.0525	ND<0.0525	ND<0.0525	ND<0.0525	ND<0.0525	ND<0.0525	ND<0.0525	ND<0.0525	ND<0.0525	ND<0.0525	0.136	ND<0.0525	83.4	0.0630	ND<0.0525	SA
Risk-Based Concentrations [2]																		
- Occ. Volatilization to Outdoor Air		>S	NE	>S	NV	NV	NV	NE	NV	NV	NV	NV	>S	NV	16,000	NE	NV	
- Occ. Vapor Intrusion Into buildings		>S	NE	>S	NV	NV	NV	NE	NV	NV	NV	NV	>S	NV	10,000	NE	NV	
- Groundwater in an Excavation		>S	NE	>S	9.1	0.53	>S	NE	>S	>S	0.21	>S	>S	>S	500	NE	>S	
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, 2009).
NE A Risk-Based Concentration has not been determined for this constituent
NV This chemical is considered "nonvolatile" for purposes of the exposure calculation
>S This groundwater RBC exceeds the solubility limit. 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, 2009).

FIGURES

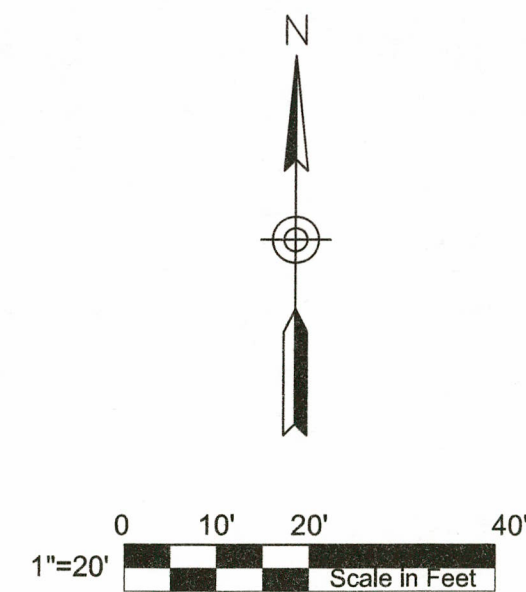
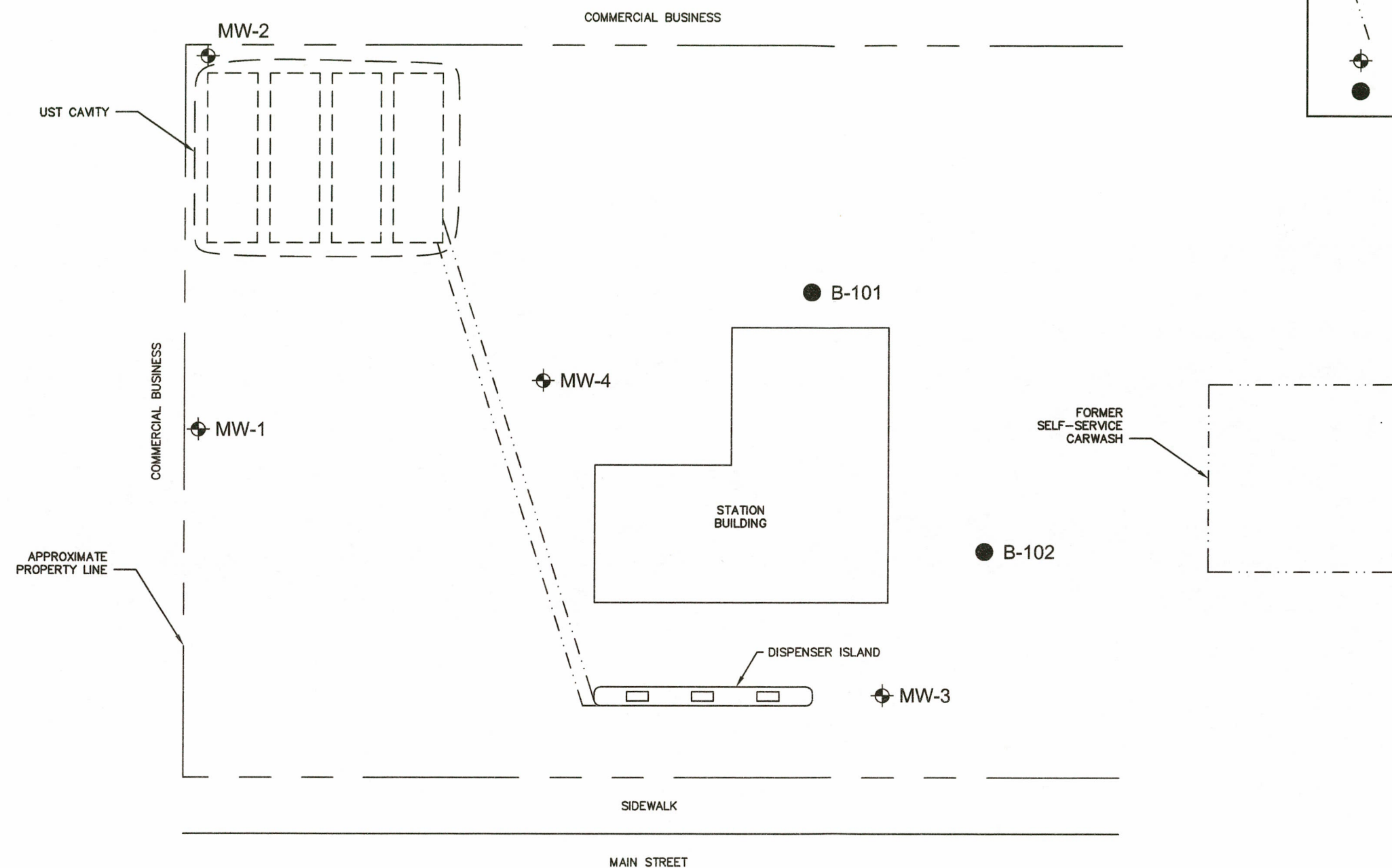


VICINITY MAP

MOLALLA KWIK GAS
305 WEST MAIN STREET
MOLALLA, OREGON

ECNW PROJ. NO. 05-106

FIGURE 1



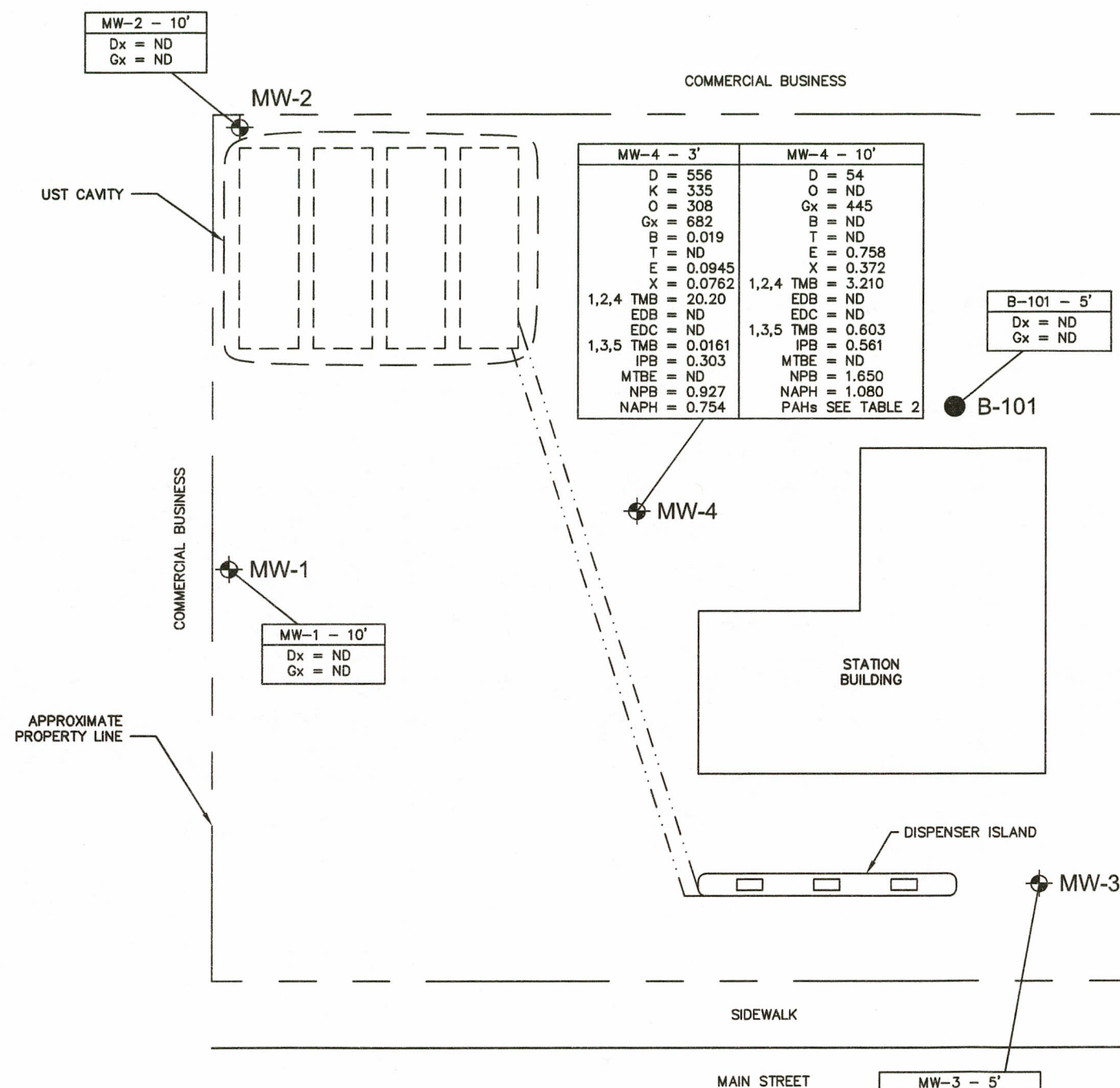
ECN ENVIRONMENTAL
COMPLIANCE
NORTHWEST, INC.
(503) 372-9760

SITE PLAN

FORMER KWIK GAS
305 WEST MAIN STREET
MOLALLA, OREGON

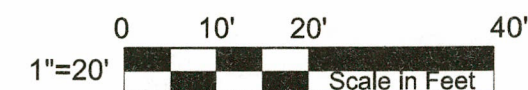
Project No. 05-106

FIGURE 2



LEGEND

UST	Underground Storage Tank
[Dashed Box]	Former Underground Storage Tank
[Dashed Line]	Former Underground Product Piping Trench
[Circle with Cross]	Monitoring Well
[Solid Circle]	Soil Boring
Dx	Diesel-Range Hydrocarbons
D	Diesel
K	Kerosene
O	Lube Oil
Gx	Gasoline-Range Hydrocarbons
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
PAHs	Polynuclear Aromatic Hydrocarbons



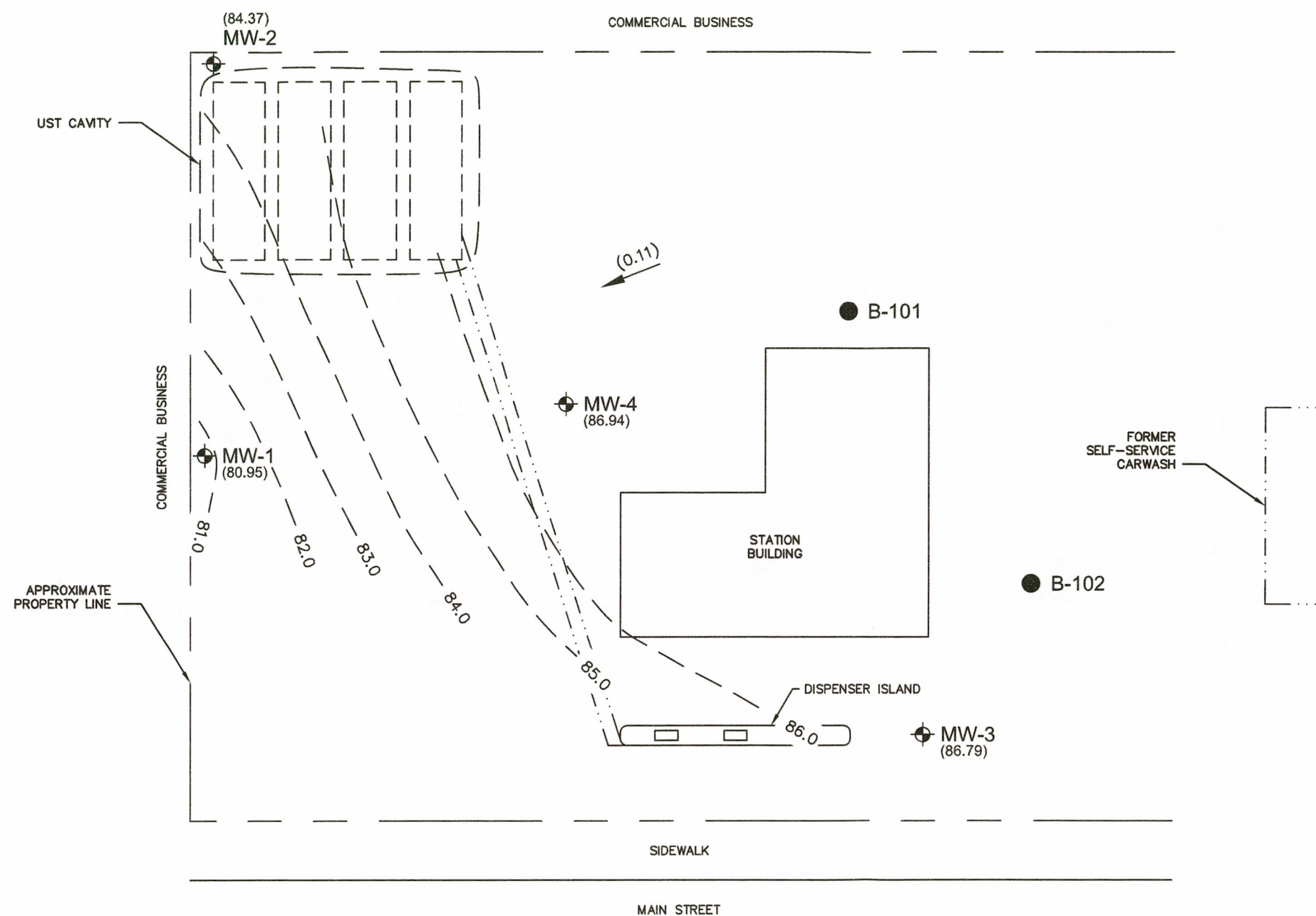
ECN ENVIRONMENTAL
COMPLIANCE
NORTHWEST, INC.
(503) 372-9760

SOIL ANALYTICAL RESULTS MAP

FORMER KWIK GAS
305 WEST MAIN STREET
MOLALLA, OREGON

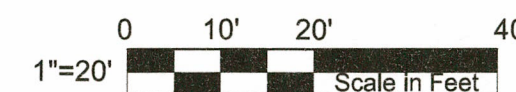
Project No. 05-106

FIGURE 3



LEGEND

UST	Underground Storage Tank
[Dashed Box]	Former Underground Storage Tank
[Dashed Line]	Former Underground Product Piping Trench
[Circle with Crosshair]	Monitoring Well
[Solid Circle]	Soil Boring
(80.95)	Groundwater Elevation (Relative to an arbitrary benchmark)
---	Groundwater Elevation Contour
← (0.03)	Approximate Groundwater Flow Direction and Gradient in Feet per Foot



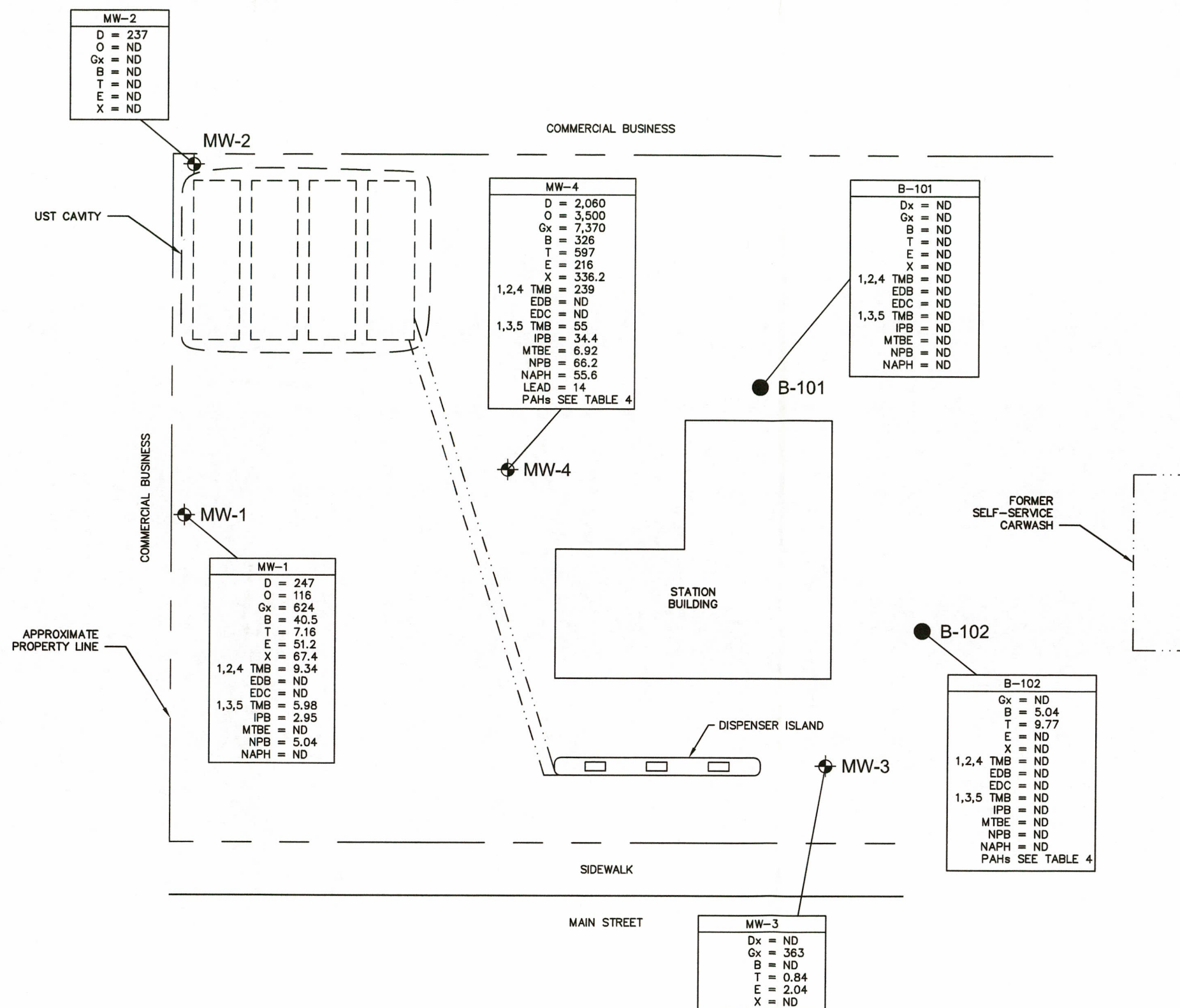
ECN ENVIRONMENTAL COMPLIANCE NORTHWEST, INC.
(503) 372-9760

GROUNDWATER CONTOUR MAP

FORMER KWIK GAS
305 WEST MAIN STREET
MOLALLA, OREGON

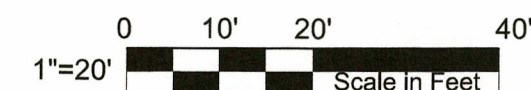
Project No. 05-106

FIGURE 4



LEGEND

UST	Underground Storage Tank
[Dashed Box]	Former Underground Storage Tank
[Dashed Line]	Former Underground Product Piping Trench
[Circle with Cross]	Monitoring Well
[Solid Circle]	Soil Boring
Dx	Diesel-Range Hydrocarbons
D	Diesel
O	Lube Oil
Gx	Gasoline-Range Hydrocarbons
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
LEAD	Dissolved Lead
PAHs	Polynuclear Aromatic Hydrocarbons



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

GROUNDWATER ANALYTICAL RESULTS

FORMER KWIK GAS
305 WEST MAIN STREET
MOLALLA, OREGON

Project No. 05-106

FIGURE 5

APPENDIX A

Environmental Compliance Northwest
PO Box 230163
Portland, Oregon 97281

LOG OF BORING MW-1

(Page 1 of 1)

Powell Distributing Co.
305 West Main Street
Molalla, Oregon

Date Started : 5/24/07
Date Completed : 5/24/07
Hole Diameter : 10"
Drilling Method : Hollow-Stem Auger
Sampling Method : Split Spoon

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

Project # 05-106

Additional Site Assessment

Water Levels

- ▼ During Drilling
- ▽ After Completion

Depth in Feet

Blow Count

USCS

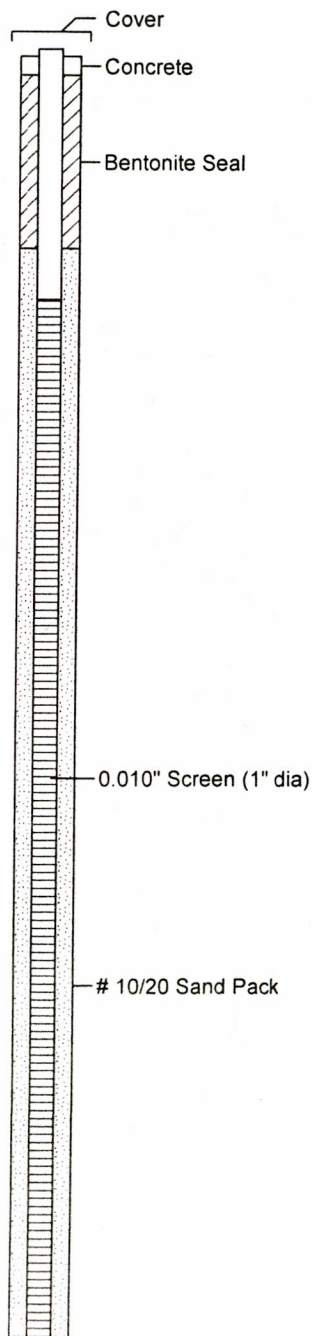
GRAPHIC

DESCRIPTION

Samples

REMARKS

Well: MW-1
Elev.:



GW

Sandy Gravel (fill)

ML

Sandy Silt: olive brown to brown, moist, some fine to coarse sand, occasional gravel, medium firm, no odor.

GM

Silty/Sandy Gravel: brown, moist to dry, fine to coarse sand, fine to 2"+ gravel, dense, no odor.

Grades to silty sand in places

Drilling refusal at 25'

1

Environmental Compliance Northwest
PO Box 230163
Portland, Oregon 97281

LOG OF BORING MW-2

(Page 1 of 1)

Powell Distributing Co.
305 West Main Street
Molalla, Oregon

Date Started : 5/24/07
Date Completed : 5/24/07
Hole Diameter : 10"
Drilling Method : Hollow-Stem Auger
Sampling Method : Split Spoon

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

Project # 05-106

Additional Site Assessment

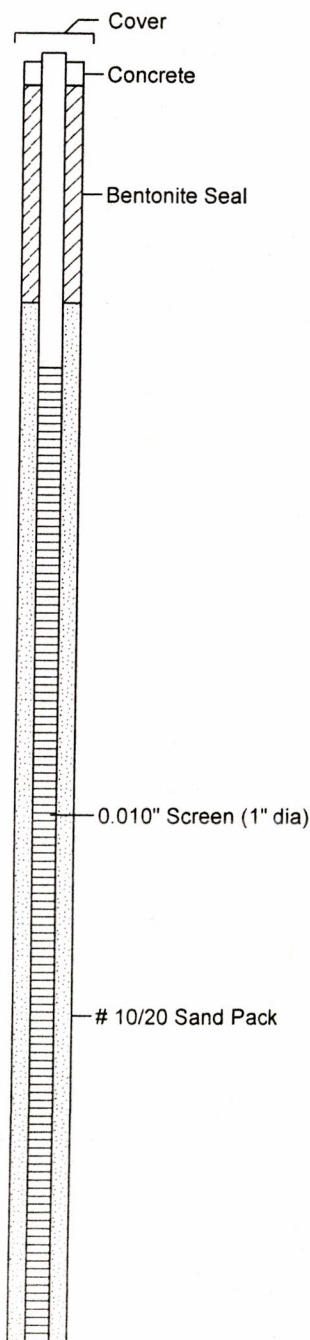
Water Levels

▼ During Drilling
▽ After Completion

Depth in Feet	Blow Count	USCS	GRAPHIC	DESCRIPTION	Samples	REMARKS
---------------	------------	------	---------	-------------	---------	---------

0				Sandy Silt: dark brown, moist, fine to medium sand, some clay, soft to medium firm, no odor.		
		ML				
5				Silty Sand: brown, moist to wet, fine to coarse sand, occasional gravel, medium dense, no odor.		
		SM				
10				Silty/Sandy Gravel: brown, moist to wet, fine to coarse gravel and sand, occasional clay, medium dense, no odor.	1	
15						
		GW				
20				Boring terminated at 20'		

Well: MW-2
Elev.:



Environmental Compliance Northwest
PO Box 230163
Portland, Oregon 97281

LOG OF BORING MW-3

(Page 1 of 1)

Powell Distributing Co.
305 West Main Street
Molalla, Oregon

Date Started : 5/24/07
Date Completed : 5/24/07
Hole Diameter : 10"
Drilling Method : Hollow-Stem Auger
Sampling Method : Split Spoon

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

Project # 05-106

Additional Site Assessment

Water Levels

- ▼ During Drilling
- ▽ After Completion

DESCRIPTION

Samples

REMARKS

Well: MW-3
Elev.:

Cover

Concrete

Bentonite Seal

0.010" Screen (1" dia)

10/20 Sand Pack

FB

GW

ML

SW

Asphalt

Gravel (fill)

Sandy Silt: dark olive, moist, fine to coarse sand, some gravel gravel, soft to meium firm, indistinct odor.

Silt/Gravelly Sand: light brown, moist to dry, fine to coarse sand sand, fine to coarse gravel, occasional cobbles, no odor.

1

Boring Terminated at 20'

Environmental Compliance Northwest
PO Box 230163
Portland, Oregon 97281

LOG OF BORING MW-4

(Page 1 of 1)

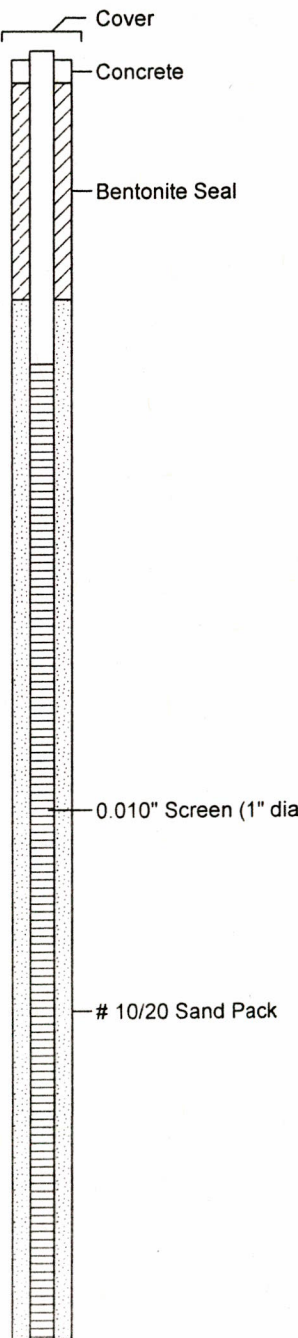
Powell Distributing Co.
305 West Main Street
Molalla, Oregon

Date Started : 5/24/07
Date Completed : 5/24/07
Hole Diameter : 10"
Drilling Method : Hollow-Stem Auger
Sampling Method : Split Spoon

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

Project # 05-106

Additional Site Assessment

Depth in Feet	Blow Count	USCS	GRAPHIC	Water Levels		Samples	REMARKS
				▼ During Drilling	▽ After Completion		
				DESCRIPTION			
0		GW		Gravel (fill)			Well: MW-4 Elev.: 
				Sandy Silt/ Silty Sand: dark olive brown, moist, soft to medium firm, fine to coarse sand, some gravel, petroleum odor.		1	
5				very moist to wet below 6'			
10		ML		organic material (tree root?) in sample at 10", petroleum odor		2	
15							
		GW		Silty/Sandy Gravel: brown, moist, fine to coarse sand, fine to coarse gravel and cobble.			
20				Drilling Refusal at 20'			

Environmental Compliance Northwest
PO Box 230163
Portland, Oregon 97281

LOG OF BORING B-101

(Page 1 of 1)

Powell Distributing Co.
305 West Main Street
Molalla, Oregon

Project # 05106

Site Assessment

Date Started : 5/24/07
Date Completed : 5/24/07
Hole Diameter : 10"
Drilling Method : Hollow-stem auger
Sampling Method : Split-spoon

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: gray-brown to brown, moist, very fine to medium sand, occasional fine to 2"+ gravel, no odor.			
				Occasionally grades to sandy silt with clay			
5		SM		Very moist at 5'	1		
10		SW		Gravelly Sand: brownish gray to brown, moist, very fine to coarse sand, fine to coarse gravel, some silt, no odor.			
15				Boring Terminated at 14.5'			

Environmental Compliance Northwest
PO Box 230163
Portland, Oregon 97281

LOG OF BORING B-102

(Page 1 of 1)

Powell Distributing Co.
305 West Main Street
Molalla, Oregon

Project # 05106

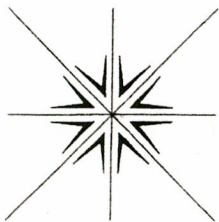
Site Assessment

Date Started : 5/24/07
Date Completed : 5/24/07
Hole Diameter : 10"
Drilling Method : Hollow-stem auger
Sampling Method : Split-spoon

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		FB		Asphalt			
		GW		Gravel (fill)			
				Sandy/Clayey Silt: dark olive brown to brown, moist, firm, fine to coarse sand, occasional gravel, indistinct odor			
5		ML					
10		GW		Silty/Sandy Gravel: brown, moist, fine to coarse sand and gravel, dense, no odor.	1		
15				Boring Terminated at 15'			

APPENDIX B



Specialty Analytical

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

June 12, 2007

John Day
Environmental Compliance Northwest, Inc.
P.O. Box 230163
Portland, OR 97281

TEL: (503) 372-9760

FAX (503) 213-9980

RE: Powell-Molalla / 05-106

Dear John Day:

Order No.: 0705151

Specialty Analytical received 21 samples on 5/25/2007 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-Jun-07

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05-106**Lab Order:** 0705151**Lab ID:** 0705151-01**Collection Date:** 5/24/2007 8:40:00 AM**Client Sample ID:** MW-1-5'**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST			PER CLIENT			Analyst: ADM
Hold	Hold				1	6/1/2007

Lab ID: 0705151-02**Collection Date:** 5/24/2007 8:50:00 AM**Client Sample ID:** MW-1-10'**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						Analyst: jrp
Diesel	ND	20.1		mg/Kg-dry	1	5/30/2007
Lube Oil	ND	66.9		mg/Kg-dry	1	5/30/2007
Surr: o-Terphenyl	68.4	50-150		%REC	1	5/30/2007
NWTPH-GX						Analyst: jrp
Gasoline	ND	3.35		mg/Kg-dry	1	5/29/2007
Surr: 4-Bromofluorobenzene	102	50-150		%REC	1	5/29/2007

Lab ID: 0705151-03**Collection Date:** 5/24/2007 9:00:00 AM**Client Sample ID:** MW-1-15'**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST			PER CLIENT			Analyst: ADM
Hold	Hold				1	6/1/2007

Lab ID: 0705151-04**Collection Date:** 5/24/2007 12:10:00 PM**Client Sample ID:** MW-2-5'**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST			PER CLIENT			Analyst: ADM
Hold	Hold				1	6/1/2007

Specialty Analytical

Date: 12-Jun-07

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05-106**Lab Order:** 0705151**Lab ID:** 0705151-05**Collection Date:** 5/24/2007 12:20:00 PM**Client Sample ID:** MW-2-10'**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX		NWTPH-DX				Analyst: jrp
Diesel	ND	18.5		mg/Kg-dry	1	5/30/2007
Lube Oil	ND	61.5		mg/Kg-dry	1	5/30/2007
Surr: o-Terphenyl	75.5	50-150		%REC	1	5/30/2007
NWTPH-GX		NWTPH-GX				Analyst: jrp
Gasoline	ND	3.08		mg/Kg-dry	1	5/29/2007
Surr: 4-Bromofluorobenzene	112	50-150		%REC	1	5/29/2007

Lab ID: 0705151-06**Collection Date:** 5/24/2007 12:30:00 PM**Client Sample ID:** MW-2-15'**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: ADM
Hold	Hold				1	6/1/2007

Specialty Analytical

Date: 12-Jun-07

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05-106

Lab Order: 0705151

Lab ID: 0705151-07

Collection Date: 5/24/2007 2:10:00 PM

Client Sample ID: MW-3-5'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX		NWTPH-DX				Analyst: jrp
Diesel	ND	20.6		mg/Kg-dry	1	5/30/2007
Lube Oil	ND	68.6		mg/Kg-dry	1	5/30/2007
Surr: o-Terphenyl	72.2	50-150		%REC	1	5/30/2007
NWTPH-GX		NWTPH-GX				Analyst: jrp
Gasoline	8.84	3.43		mg/Kg-dry	1	5/29/2007
Surr: 4-Bromofluorobenzene	103	50-150		%REC	1	5/29/2007
VOLATILES BY GC/MS		SW8260B				Analyst: bda
1,2,4-Trimethylbenzene	ND	10.0		µg/Kg	1	5/31/2007 6:30:00 PM
1,2-Dibromoethane	ND	10.0		µg/Kg	1	5/31/2007 6:30:00 PM
1,2-Dichloroethane	ND	10.0		µg/Kg	1	5/31/2007 6:30:00 PM
1,3,5-Trimethylbenzene	ND	10.0		µg/Kg	1	5/31/2007 6:30:00 PM
Benzene	ND	10.0		µg/Kg	1	5/31/2007 6:30:00 PM
Ethylbenzene	ND	10.0		µg/Kg	1	5/31/2007 6:30:00 PM
Isopropylbenzene	ND	10.0		µg/Kg	1	5/31/2007 6:30:00 PM
m,p-Xylene	ND	20.0		µg/Kg	1	5/31/2007 6:30:00 PM
Methyl tert-butyl ether	ND	10.0		µg/Kg	1	5/31/2007 6:30:00 PM
n-Propylbenzene	ND	10.0		µg/Kg	1	5/31/2007 6:30:00 PM
Naphthalene	35.8	10.0		µg/Kg	1	5/31/2007 6:30:00 PM
o-Xylene	ND	10.0		µg/Kg	1	5/31/2007 6:30:00 PM
Toluene	ND	10.0		µg/Kg	1	5/31/2007 6:30:00 PM
Surr: 1,2-Dichloroethane-d4	89.4	71.5-112		%REC	1	5/31/2007 6:30:00 PM
Surr: 4-Bromofluorobenzene	80.7	75.7-122		%REC	1	5/31/2007 6:30:00 PM
Surr: Dibromofluoromethane	87.4	64.3-124		%REC	1	5/31/2007 6:30:00 PM
Surr: Toluene-d8	102	74.9-120		%REC	1	5/31/2007 6:30:00 PM

Lab ID: 0705151-08

Collection Date: 5/24/2007 2:20:00 PM

Client Sample ID: MW-3-10'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: ADM
Hold	Hold				1	6/1/2007

Specialty Analytical

Date: 12-Jun-07

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05-106

Lab Order: 0705151

Lab ID: 0705151-09

Collection Date: 5/24/2007 2:30:00 PM

Client Sample ID: MW-3-15'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: ADM
Hold	Hold				1	6/1/2007

Lab ID: 0705151-10

Collection Date: 5/24/2007 3:30:00 PM

Client Sample ID: MW-4-3'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX		NWTPH-DX				Analyst: jrp
Diesel	556	18.9		mg/Kg-dry	1	6/7/2007
Kerosene	335	18.9		mg/Kg-dry	1	6/7/2007
Lube Oil	308	62.9		mg/Kg-dry	1	6/7/2007
Surr: o-Terphenyl	89.5	50-150		%REC	1	6/7/2007
NWTPH-GX		NWTPH-GX				Analyst: jrp
Gasoline	682	15.7		mg/Kg-dry	5	6/5/2007
Surr: 4-Bromofluorobenzene	240	50-150	S,D	%REC	5	6/5/2007
VOLATILES BY GC/MS		SW8260B				Analyst: bda
1,2,4-Trimethylbenzene	20200	2500		µg/Kg	250	6/8/2007 2:17:00 PM
1,2-Dibromoethane	ND	10.0		µg/Kg	1	6/7/2007 1:18:00 PM
1,2-Dichloroethane	ND	10.0		µg/Kg	1	6/7/2007 1:18:00 PM
1,3,5-Trimethylbenzene	16.1	10.0		µg/Kg	1	6/7/2007 1:18:00 PM
Benzene	19.9	10.0		µg/Kg	1	6/7/2007 1:18:00 PM
Ethylbenzene	94.5	10.0		µg/Kg	1	6/7/2007 1:18:00 PM
Isopropylbenzene	303	100		µg/Kg	10	6/7/2007 12:44:00 PM
m,p-Xylene	76.2	20.0		µg/Kg	1	6/7/2007 1:18:00 PM
Methyl tert-butyl ether	ND	10.0		µg/Kg	1	6/7/2007 1:18:00 PM
n-Propylbenzene	927	100		µg/Kg	10	6/7/2007 12:44:00 PM
Naphthalene	754	100		µg/Kg	10	6/7/2007 12:44:00 PM
o-Xylene	ND	10.0		µg/Kg	1	6/7/2007 1:18:00 PM
Toluene	ND	10.0		µg/Kg	1	6/7/2007 1:18:00 PM
Surr: 1,2-Dichloroethane-d4	72.3	71.5-112		%REC	1	6/7/2007 1:18:00 PM
Surr: 4-Bromofluorobenzene	89.6	75.7-122		%REC	1	6/7/2007 1:18:00 PM
Surr: Dibromofluoromethane	74.5	64.3-124		%REC	1	6/7/2007 1:18:00 PM
Surr: Toluene-d8	111	74.9-120		%REC	1	6/7/2007 1:18:00 PM

Specialty Analytical

Date: 12-Jun-07

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05-106

Lab Order: 0705151

Lab ID: 0705151-11

Collection Date: 5/24/2007 3:40:00 PM

Client Sample ID: MW-4-5'

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
6/1/2007

Specialty Analytical

Date: 12-Jun-07

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05-106

Lab Order: 0705151

Lab ID: 0705151-12

Collection Date: 5/24/2007 3:50:00 PM

Client Sample ID: MW-4-10'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						
Diesel	54.4	18.9		mg/Kg-dry	1	5/30/2007
Lube Oil	ND	63.1		mg/Kg-dry	1	5/30/2007
Surr: o-Terphenyl	61.5	50-150		%REC	1	5/30/2007
NWTPH-GX						
Gasoline	445	3.16		mg/Kg-dry	1	5/29/2007
Surr: 4-Bromofluorobenzene	188	50-150	S, MI	%REC	1	5/29/2007
TOTAL METALS BY ICP						
Lead	ND	1.92		mg/Kg	1	6/5/2007 8:04:56 PM
PAH'S BY GC/MS-OARSIM (8270C)						
8270SIM						
Acenaphthene	10.0	6.67		µg/Kg	1	5/31/2007 7:24:00 PM
Acenaphthylene	ND	6.67		µg/Kg	1	5/31/2007 7:24:00 PM
Anthracene	ND	6.67		µg/Kg	1	5/31/2007 7:24:00 PM
Benz(a)anthracene	ND	6.67		µg/Kg	1	5/31/2007 7:24:00 PM
Benzo(a)pyrene	ND	6.67		µg/Kg	1	5/31/2007 7:24:00 PM
Benzo(b)fluoranthene	ND	6.67		µg/Kg	1	5/31/2007 7:24:00 PM
Benzo(g,h,i)perylene	ND	6.67		µg/Kg	1	5/31/2007 7:24:00 PM
Benzo(k)fluoranthene	ND	6.67		µg/Kg	1	5/31/2007 7:24:00 PM
Chrysene	ND	6.67		µg/Kg	1	5/31/2007 7:24:00 PM
Dibenz(a,h)anthracene	ND	6.67		µg/Kg	1	5/31/2007 7:24:00 PM
Fluoranthene	ND	6.67		µg/Kg	1	5/31/2007 7:24:00 PM
Fluorene	20.0	6.67		µg/Kg	1	5/31/2007 7:24:00 PM
Indeno(1,2,3-cd)pyrene	ND	6.67		µg/Kg	1	5/31/2007 7:24:00 PM
Naphthalene	1300	6.67		µg/Kg	1	5/31/2007 7:24:00 PM
Phenanthrene	27.3	6.67		µg/Kg	1	5/31/2007 7:24:00 PM
Pyrene	8.67	6.67		µg/Kg	1	5/31/2007 7:24:00 PM
Surr: 2-Fluorobiphenyl	79.0	42.6-128		%REC	1	5/31/2007 7:24:00 PM
Surr: Nitrobenzene-d5	62.5	21.7-155		%REC	1	5/31/2007 7:24:00 PM
Surr: p-Terphenyl-d14	128	44.9-155		%REC	1	5/31/2007 7:24:00 PM
VOLATILES BY GC/MS						
SW8260B						
1,2,4-Trimethylbenzene	3210	500		µg/Kg	50	6/1/2007 10:57:00 AM
1,2-Dibromoethane	ND	10.0		µg/Kg	1	6/1/2007 12:06:00 PM
1,2-Dichloroethane	ND	10.0		µg/Kg	1	6/1/2007 12:06:00 PM
1,3,5-Trimethylbenzene	603	50.0		µg/Kg	5	6/1/2007 11:31:00 AM
Benzene	ND	10.0		µg/Kg	1	6/1/2007 12:06:00 PM
Ethylbenzene	758	50.0		µg/Kg	5	6/1/2007 11:31:00 AM
Isopropylbenzene	561	50.0		µg/Kg	5	6/1/2007 11:31:00 AM
m,p-Xylene	372	100		µg/Kg	5	6/1/2007 11:31:00 AM

Specialty Analytical

Date: 12-Jun-07

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05-106

Lab Order: 0705151

VOLATILES BY GC/MS

SW8260B

Analyst: bda

Methyl tert-butyl ether	ND	10.0	µg/Kg	1	6/1/2007 12:06:00 PM
n-Propylbenzene	1650	500	µg/Kg	50	6/1/2007 10:57:00 AM
Naphthalene	1080	500	µg/Kg	50	6/1/2007 10:57:00 AM
o-Xylene	ND	10.0	µg/Kg	1	6/1/2007 12:06:00 PM
Toluene	ND	10.0	µg/Kg	1	6/1/2007 12:06:00 PM
Surr: 1,2-Dichloroethane-d4	80.4	71.5-112	%REC	1	6/1/2007 12:06:00 PM
Surr: 4-Bromofluorobenzene	105	75.7-122	%REC	1	6/1/2007 12:06:00 PM
Surr: Dibromofluoromethane	77.8	64.3-124	%REC	1	6/1/2007 12:06:00 PM
Surr: Toluene-d8	104	74.9-120	%REC	1	6/1/2007 12:06:00 PM

Lab ID: 0705151-13

Collection Date: 5/24/2007 4:00:00 PM

Client Sample ID: MW-4-15'

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	6/1/2007
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Lab ID: 0705151-14

Collection Date: 5/24/2007 5:50:00 PM

Client Sample ID: B-101-3'

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	6/1/2007
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Lab ID: 0705151-15

Collection Date: 5/24/2007 6:00:00 PM

Client Sample ID: B-101-5'

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	6/1/2007
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Specialty Analytical

Date: 12-Jun-07

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05-106

Lab Order: 0705151

Lab ID: 0705151-16

Collection Date: 5/24/2007 6:10:00 PM

Client Sample ID: B-101-10'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
						Analyst: jrp
NWTPH-DX						
Diesel	ND	17.8		mg/Kg-dry	1	5/30/2007
Lube Oil	ND	59.5		mg/Kg-dry	1	5/30/2007
Surr: o-Terphenyl	70.6	50-150		%REC	1	5/30/2007
NWTPH-GX						Analyst: jrp
Gasoline	ND	2.97		mg/Kg-dry	1	5/30/2007
Surr: 4-Bromofluorobenzene	110	50-150		%REC	1	5/30/2007

Lab ID: 0705151-17

Collection Date: 5/24/2007 6:20:00 PM

Client Sample ID: B-102-3'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
						Analyst: ADM
HOLD PER CLIENT REQUEST						
Hold	Hold				1	6/1/2007

Lab ID: 0705151-18

Collection Date: 5/24/2007 6:30:00 PM

Client Sample ID: B-102-5'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
						Analyst: ADM
HOLD PER CLIENT REQUEST						
Hold	Hold				1	6/1/2007

Specialty Analytical

Date: 12-Jun-07

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05-106

Lab Order: 0705151

Lab ID: 0705151-19

Collection Date: 5/24/2007 6:40:00 PM

Client Sample ID: B-102-10'

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						
NWTPH-DX						
Diesel	ND	18.0		mg/Kg-dry	1	5/30/2007
Lube Oil	ND	60.0		mg/Kg-dry	1	5/30/2007
Surr: o-Terphenyl	70.1	50-150		%REC	1	5/30/2007
NWTPH-GX						
NWTPH-GX						
Gasoline	3.37	3.00		mg/Kg-dry	1	5/30/2007
Surr: 4-Bromofluorobenzene	106	50-150		%REC	1	5/30/2007
VOLATILES BY GC/MS						
SW8260B						
1,2,4-Trimethylbenzene	ND	10.0		µg/Kg	1	5/31/2007 5:21:00 PM
1,2-Dibromoethane	ND	10.0		µg/Kg	1	5/31/2007 5:21:00 PM
1,2-Dichloroethane	ND	10.0		µg/Kg	1	5/31/2007 5:21:00 PM
1,3,5-Trimethylbenzene	ND	10.0		µg/Kg	1	5/31/2007 5:21:00 PM
Benzene	ND	10.0		µg/Kg	1	5/31/2007 5:21:00 PM
Ethylbenzene	ND	10.0		µg/Kg	1	5/31/2007 5:21:00 PM
Isopropylbenzene	ND	10.0		µg/Kg	1	5/31/2007 5:21:00 PM
m,p-Xylene	ND	20.0		µg/Kg	1	5/31/2007 5:21:00 PM
Methyl tert-butyl ether	ND	10.0		µg/Kg	1	5/31/2007 5:21:00 PM
n-Propylbenzene	ND	10.0		µg/Kg	1	5/31/2007 5:21:00 PM
Naphthalene	ND	10.0		µg/Kg	1	5/31/2007 5:21:00 PM
o-Xylene	ND	10.0		µg/Kg	1	5/31/2007 5:21:00 PM
Toluene	ND	10.0		µg/Kg	1	5/31/2007 5:21:00 PM
Surr: 1,2-Dichloroethane-d4	93.0	71.5-112		%REC	1	5/31/2007 5:21:00 PM
Surr: 4-Bromofluorobenzene	79.8	75.7-122		%REC	1	5/31/2007 5:21:00 PM
Surr: Dibromofluoromethane	93.8	64.3-124		%REC	1	5/31/2007 5:21:00 PM
Surr: Toluene-d8	102	74.9-120		%REC	1	5/31/2007 5:21:00 PM

Specialty Analytical

Date: 12-Jun-07

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05-106

Lab Order: 0705151

Lab ID: 0705151-20

Collection Date: 5/25/2007 9:20:00 AM

Client Sample ID: B-101

Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX		NWTPH-DX				Analyst: jrp
Diesel	ND	0.252		mg/L	1	5/30/2007
Lube Oil	ND	0.504		mg/L	1	5/30/2007
Surr: o-Terphenyl	75.2	50-150		%REC	1	5/30/2007
NWTPH-GX		NWTPH-GX				Analyst: jrp
Gasoline	ND	100		µg/L	1	5/29/2007
Surr: 4-Bromofluorobenzene	91.0	50-150		%REC	1	5/29/2007
VOLATILE ORGANICS BY GC/MS		SW8260B				Analyst: bda
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	5/31/2007 3:39:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	5/31/2007 3:39:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	5/31/2007 3:39:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	5/31/2007 3:39:00 PM
Benzene	ND	0.400		µg/L	1	5/31/2007 3:39:00 PM
Ethylbenzene	ND	1.00		µg/L	1	5/31/2007 3:39:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	5/31/2007 3:39:00 PM
m,p-Xylene	ND	2.00		µg/L	1	5/31/2007 3:39:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	5/31/2007 3:39:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	5/31/2007 3:39:00 PM
Naphthalene	ND	1.00		µg/L	1	5/31/2007 3:39:00 PM
o-Xylene	ND	1.00		µg/L	1	5/31/2007 3:39:00 PM
Toluene	ND	1.00		µg/L	1	5/31/2007 3:39:00 PM
Surr: 1,2-Dichloroethane-d4	101	72.2-129		%REC	1	5/31/2007 3:39:00 PM
Surr: 4-Bromofluorobenzene	116	73.5-125		%REC	1	5/31/2007 3:39:00 PM
Surr: Dibromofluoromethane	112	58.8-148		%REC	1	5/31/2007 3:39:00 PM
Surr: Toluene-d8	113	79.8-137		%REC	1	5/31/2007 3:39:00 PM

Specialty Analytical

Date: 12-Jun-07

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05-106

Lab Order: 0705151

Lab ID: 0705151-21

Collection Date: 5/25/2007 9:40:00 AM

Client Sample ID: B-102

Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-GX						
Gasoline	ND	100		µg/L	1	5/29/2007
Surr: 4-Bromofluorobenzene	91.0	50-150		%REC	1	5/29/2007
LOW LEVEL PAH BY GC/MS OARSIM (8270C)						
8270SIM						
Analyst: jrp						
Acenaphthene	ND	0.0484		µg/L	1	5/29/2007 7:56:00 PM
Acenaphthylene	ND	0.0484		µg/L	1	5/29/2007 7:56:00 PM
Anthracene	ND	0.0484		µg/L	1	5/29/2007 7:56:00 PM
Benz(a)anthracene	ND	0.0484		µg/L	1	5/29/2007 7:56:00 PM
Benzo(a)pyrene	ND	0.0484		µg/L	1	5/29/2007 7:56:00 PM
Benzo(b)fluoranthene	ND	0.0484		µg/L	1	5/29/2007 7:56:00 PM
Benzo(g,h,i)perylene	ND	0.0484		µg/L	1	5/29/2007 7:56:00 PM
Benzo(k)fluoranthene	ND	0.0484		µg/L	1	5/29/2007 7:56:00 PM
Chrysene	ND	0.0484		µg/L	1	5/29/2007 7:56:00 PM
Dibenz(a,h)anthracene	ND	0.0484		µg/L	1	5/29/2007 7:56:00 PM
Fluoranthene	ND	0.0484		µg/L	1	5/29/2007 7:56:00 PM
Fluorene	ND	0.0484		µg/L	1	5/29/2007 7:56:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.0484		µg/L	1	5/29/2007 7:56:00 PM
Naphthalene	0.135	0.0484		µg/L	1	5/29/2007 7:56:00 PM
Phenanthrene	ND	0.0484		µg/L	1	5/29/2007 7:56:00 PM
Pyrene	ND	0.0484		µg/L	1	5/29/2007 7:56:00 PM
Surr: 2-Fluorobiphenyl	89.2	18.6-106		%REC	1	5/29/2007 7:56:00 PM
Surr: Nitrobenzene-d5	89.6	17-130		%REC	1	5/29/2007 7:56:00 PM
Surr: p-Terphenyl-d14	123	39.6-131		%REC	1	5/29/2007 7:56:00 PM
VOLATILE ORGANICS BY GC/MS						
SW8260B						
Analyst: bda						
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	5/31/2007 4:23:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	5/31/2007 4:23:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	5/31/2007 4:23:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	5/31/2007 4:23:00 PM
Benzene	5.04	0.400		µg/L	1	5/31/2007 4:23:00 PM
Ethylbenzene	ND	1.00		µg/L	1	5/31/2007 4:23:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	5/31/2007 4:23:00 PM
m,p-Xylene	2.50	2.00		µg/L	1	5/31/2007 4:23:00 PM
Methyl tert-butyl ether	7.24	1.00		µg/L	1	5/31/2007 4:23:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	5/31/2007 4:23:00 PM
Naphthalene	ND	1.00		µg/L	1	5/31/2007 4:23:00 PM
o-Xylene	1.36	1.00		µg/L	1	5/31/2007 4:23:00 PM
Toluene	9.77	1.00		µg/L	1	5/31/2007 4:23:00 PM
Surr: 1,2-Dichloroethane-d4	103	72.2-129		%REC	1	5/31/2007 4:23:00 PM
Surr: 4-Bromofluorobenzene	116	73.5-125		%REC	1	5/31/2007 4:23:00 PM

Specialty Analytical

Date: 12-Jun-07

CLIENT: Environmental Compliance Northwest, Inc.
Project: Powell-Molalla / 05-106

Lab Order: 0705151

VOLATILE ORGANICS BY GC/MS

SW8260B

Analyst: bda

Surr: Dibromofluoromethane

113 58.8-148

%REC

1

5/31/2007 4:23:00 PM

Surr: Toluene-d8

114 79.8-137

%REC

1

5/31/2007 4:23:00 PM

Specialty Analytical

Date: 12-Jun-07

CLIENT: Environmental Compliance Northwest, Inc.
 Work Order: 0705151
 Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID	MBLK-18691	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	6/5/2007	Run ID:	TJAIRIS_070605E	
Client ID:	ZZZZZ	Batch ID:	18691	TestNo:	E6010			Analysis Date:	6/5/2007	SeqNo:	471005	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		ND	2.00									

Sample ID	LCS-18691	SampType:	LCS	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	6/5/2007	Run ID:	TJAIRIS_070605E	
Client ID:	ZZZZZ	Batch ID:	18691	TestNo:	E6010			Analysis Date:	6/5/2007	SeqNo:	471007	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		101	2.00	100	0	101	84.9	109	0	0		

Sample ID	0706016-08AMS	SampType:	MS	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	6/5/2007	Run ID:	TJAIRIS_070605E	
Client ID:	ZZZZZ	Batch ID:	18691	TestNo:	E6010			Analysis Date:	6/5/2007	SeqNo:	471010	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		78.13	1.61	80.65	1.205	95.4	84.9	109	0	0		

Sample ID	0706016-08AMSD	SampType:	MSD	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	6/5/2007	Run ID:	TJAIRIS_070605E	
Client ID:	ZZZZZ	Batch ID:	18691	TestNo:	E6010			Analysis Date:	6/5/2007	SeqNo:	471011	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		76.16	1.67	83.33	1.205	89.9	84.9	109	78.13	2.55	20	

Sample ID	0706016-08ADUP	SampType:	DUP	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	6/5/2007	Run ID:	TJAIRIS_070605E	
Client ID:	ZZZZZ	Batch ID:	18691	TestNo:	E6010			Analysis Date:	6/5/2007	SeqNo:	471009	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		1.225	1.67	0	0	0	0	0	1.205	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: 0705151
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID	CCV	SampType:	CCV	TestCode:	6010_S	Units:	mg/Kg	Prep Date:		Run ID:	TJAIRIS_070605E		
Client ID:	ZZZZZ	Batch ID:	18691	TestNo:	E6010			Analysis Date:	6/5/2007	SeqNo:	471004		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	99.07	2.00	100	0	99.1	90	110	0	0
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Sample ID	CCV	SampType:	CCV	TestCode:	6010_S	Units:	mg/Kg	Prep Date:		Run ID:	TJAIRIS_070605E		
Client ID:	ZZZZZ	Batch ID:	18691	TestNo:	E6010			Analysis Date:	6/5/2007	SeqNo:	471006		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	97.12	2.00	100	0	97.1	90	110	0	0
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Sample ID	CCV	SampType:	CCV	TestCode:	6010_S	Units:	mg/Kg	Prep Date:		Run ID:	TJAIRIS_070605E		
Client ID:	ZZZZZ	Batch ID:	18691	TestNo:	E6010			Analysis Date:	6/5/2007	SeqNo:	471017		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	97.87	2.00	100	0	97.9	90	110	0	0
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Sample ID	CCV	SampType:	CCV	TestCode:	6010_S	Units:	mg/Kg	Prep Date:		Run ID:	TJAIRIS_070605E		
Client ID:	ZZZZZ	Batch ID:	18691	TestNo:	E6010			Analysis Date:	6/5/2007	SeqNo:	471024		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	99.48	2.00	100	0	99.5	90	110	0	0
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Sample ID	ICV	SampType:	ICV	TestCode:	6010_S	Units:	mg/Kg	Prep Date:		Run ID:	TJAIRIS_070605E		
Client ID:	ZZZZZ	Batch ID:	18691	TestNo:	E6010			Analysis Date:	6/5/2007	SeqNo:	471003		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	101.3	2.00	100	0	101	90	110	0	0
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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.

Work Order: 0705151

Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID	MB-18662	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date: 5/31/2007	Run ID: 5973L_070531A					
Client ID: ZZZZZ	Batch ID: 18662	TestNo: SW8260B	Analysis Date: 5/31/2007	SeqNo: 469979							
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	ND	10.0									
1,2,3-Trichloropropane	ND	10.0									
1,2,4-Trichlorobenzene	ND	10.0									
1,2,4-Trimethylbenzene	ND	10.0									
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									
Benzene	ND	10.0									
Bromobenzene	ND	10.0									
Bromochloromethane	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

Page 3 of 28

CLIENT: Environmental Compliance Northwest, Inc.

Work Order: 0705151

Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID	MB-18662	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	5/31/2007	Run ID:	5973L_070531A
Client ID:	ZZZZZ	Batch ID:	18662	TestNo:	SW8260B			Analysis Date:	5/31/2007	SeqNo:	469979
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane	ND	10.0									
Bromoform	ND	10.0									
Bromomethane	ND	10.0									
Carbondisulfide	ND	10.0									
Carbon tetrachloride	ND	10.0									
Chlorobenzene	ND	10.0									
Chloroethane	ND	10.0									
Chloroform	0.6	10.0									
Chloromethane	8.34	10.0									J
cis-1,2-Dichloroethene	1.67	10.0									J
cis-1,3-Dichloropropene	ND	10.0									J
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	ND	10.0									
o-Xylene	ND	10.0									
sec-Butylbenzene	ND	10.0									
Styrene	ND	10.0									
tert-Butylbenzene	ND	10.0									
Tetrachloroethene	ND	10.0									
Toluene	ND	10.0									
trans-1,2-Dichloroethene	ND	10.0									
trans-1,3-Dichloropropene	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.
WorkOrder: 0705151
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID	MB-18662	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	5/31/2007	Run ID:	5973L_070531A
Client ID:	ZZZZZ	Batch ID:	18662	TestNo:	SW8260B			Analysis Date:	5/31/2007	SeqNo:	469979
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene	ND	10.0									
Trichlorofluoromethane	ND	10.0									
Vinyl chloride	ND	10.0									
Surr: 1,2-Dichloroethane-d4	93.83	0	100	0	93.8	71.5	112	0	0		
Surr: 4-Bromofluorobenzene	79.63	0	100	0	79.6	75.7	122	0	0		
Surr: Dibromofluoromethane	93.52	0	100	0	93.5	64.3	124	0	0		
Surr: Toluene-d8	101.3	0	100	0	101	74.9	120	0	0		

Sample ID	MB-18716	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	6/7/2007	Run ID:	5973L_070607A
Client ID:	ZZZZZ	Batch ID:	18716	TestNo:	SW8260B			Analysis Date:	6/7/2007	SeqNo:	471999
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	ND	10.0									
1,2,3-Trichloropropane	ND	10.0									
1,2,4-Trichlorobenzene	ND	10.0									
1,2,4-Trimethylbenzene	ND	10.0									
1,2-Dibromo-3-chloropropane	ND	10.0									
1,2-Dibromoethane	ND	10.0									
1,2-Dichlorobenzene	1.12	10.0									J
1,2-Dichloroethane	ND	10.0									
1,2-Dichloropropane	ND	10.0									
1,3,5-Trimethylbenzene	ND	10.0									
1,3-Dichlorobenzene	1.27	10.0									J
1,3-Dichloropropane	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: 0705151

Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID	MB-18716	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	6/7/2007	Run ID:	5973L_070607A
Client ID:	ZZZZZ	Batch ID:	18716	TestNo:	SW8260B			Analysis Date:	6/7/2007	SeqNo:	471999
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	1.84	10.0									J
2,2-Dichloropropane	ND	10.0									
2-Butanone	ND	20.0									
2-Chlorotoluene	ND	10.0									
2-Hexanone	ND	20.0									
4-Chlorotoluene	0.91	10.0									J
4-Isopropyltoluene	ND	10.0									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	50.0									
Benzene	ND	10.0									
Bromobenzene	1.08	10.0									J
Bromochloromethane	ND	10.0									
Bromodichloromethane	ND	10.0									
Bromoform	ND	10.0									
Bromomethane	ND	10.0									
Carbon disulfide	ND	10.0									
Carbontetrachloride	ND	10.0									
Chlorobenzene	ND	10.0									
Chloroethane	ND	10.0									
Chloroform	ND	10.0									
Chloromethane	2.73	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									

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: 0705151

Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID	MB-18716	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	6/7/2007	Run ID:	5973L_070607A
Client ID:	ZZZZZ	Batch ID:	18716	TestNo:	SW8260B			Analysis Date:	6/7/2007	SeqNo:	471999
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	ND	50.0									
n-Butylbenzene	ND	10.0									
n-Propylbenzene	0.61	10.0									J
Naphthalene	ND	10.0									
o-Xylene	ND	10.0									
sec-Butylbenzene	ND	10.0									
Styrene	ND	10.0									
tert-Butylbenzene	ND	10.0									
Tetrachloroethene	ND	10.0									
Toluene	1.2	10.0									J
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	90.02	0	100	0	90	71.5	112	0	0		
Surr: 4-Bromofluorobenzene	81.63	0	100	0	81.6	75.7	122	0	0		
Surr: Dibromofluoromethane	95.82	0	100	0	95.8	64.3	124	0	0		
Surr: Toluene-d8	104.5	0	100	0	104	74.9	120	0	0		

Sample ID	LCS-18662	SampType:	LCS	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	5/31/2007	Run ID:	5973L_070531A
Client ID:	ZZZZZ	Batch ID:	18662	TestNo:	SW8260B			Analysis Date:	5/31/2007	SeqNo:	469978
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	76.07	10.0	60	0	127	65.4	133	0	0		
Benzene	69.52	10.0	60	0	116	78	123	0	0		
Chlorobenzene	63.57	10.0	60	0	106	79.5	125	0	0		
Toluene	70.99	10.0	60	0	118	77.5	132	0	0		
Trichloroethene	73.78	10.0	60	0	123	72.4	124	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

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CLIENT: Environmental Compliance Northwest, Inc.

Work Order: 0705151

Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID	LCS-18716	SampType:	LCS	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	6/7/2007	Run ID:	5973L_070607A
Client ID:	ZZZZZ	Batch ID:	18716	TestNo:	SW8260B			Analysis Date:	6/7/2007	SeqNo:	471998
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	77.98	10.0	60	0	130	65.4	133	0	0		
Benzene	73.53	10.0	60	0	123	78	123	0	0		
Chlorobenzene	67.6	10.0	60	0	113	79.5	125	0	0		
Toluene	74.7	10.0	60	1.2	122	77.5	132	0	0		
Trichloroethene	79.52	10.0	60	0	133	72.4	124	0	0		SC

Sample ID	0705151-19BMS	SampType:	MS	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	5/31/2007	Run ID:	5973L_070531A
Client ID:	B-102-10'	Batch ID:	18662	TestNo:	SW8260B			Analysis Date:	5/31/2007	SeqNo:	469983
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	76.97	10.0	60	0	128	69.2	158	0	0		
Benzene	69.38	10.0	60	0	116	71.7	147	0	0		
Chlorobenzene	62.45	10.0	60	0	104	75	148	0	0		
Toluene	70.56	10.0	60	0.38	117	75.8	153	0	0		
Trichloroethene	72.67	10.0	60	0.75	120	77.1	138	0	0		

Sample ID	0706037-01BMS	SampType:	MS	TestCode:	8260_S	Units:	µg/Kg	Prep Date:		Run ID:	5973L_070607A
Client ID:	ZZZZZ	Batch ID:	18716	TestNo:	SW8260B			Analysis Date:	6/8/2007	SeqNo:	472026
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	82.56	10.0	60	0	138	69.2	158	0	0		
Benzene	64.42	10.0	60	0	107	71.7	147	0	0		
Chlorobenzene	48.59	10.0	60	0	81	75	148	0	0		
Toluene	63.45	10.0	60	1.01	104	75.8	153	0	0		
Trichloroethene	65.49	10.0	60	0	109	77.1	138	0	0		

Sample ID	0705151-19BMSD	SampType:	MSD	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	5/31/2007	Run ID:	5973L_070531A
Client ID:	B-102-10'	Batch ID:	18662	TestNo:	SW8260B			Analysis Date:	5/31/2007	SeqNo:	469984
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	79.24	10.0	60	0	132	69.2	158	76.97	2.91	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: 0705151
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID	0705151-19BMSD	SampType:	MSD	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	5/31/2007	Run ID:	5973L_070531A
Client ID:	B-102-10'	Batch ID:	18662	TestNo:	SW8260B			Analysis Date:	5/31/2007	SeqNo:	469984
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	69.89	10.0	60	0	116	71.7	147	69.38	0.732	20	
Chlorobenzene	61.96	10.0	60	0	103	75	148	62.45	0.788	20	
Toluene	70.52	10.0	60	0.38	117	75.8	153	70.56	0.0567	20	
Trichloroethene	73.06	10.0	60	0.75	121	77.1	138	72.67	0.535	20	

Sample ID	0706037-01BMSD	SampType:	MSD	TestCode:	8260_S	Units:	µg/Kg	Prep Date:		Run ID:	5973L_070607A
Client ID:	ZZZZZ	Batch ID:	18716	TestNo:	SW8260B			Analysis Date:	6/8/2007	SeqNo:	472027
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	83.16	10.0	60	0	139	69.2	158	82.56	0.724	20	
Benzene	62.77	10.0	60	0	105	71.7	147	64.42	2.59	20	
Chlorobenzene	47.14	10.0	60	0	78.6	75	148	48.59	3.03	20	
Toluene	61.57	10.0	60	1.01	101	75.8	153	63.45	3.01	20	
Trichloroethene	64.57	10.0	60	0	108	77.1	138	65.49	1.41	20	

Sample ID	CCV-18662	SampType:	CCV	TestCode:	8260_S	Units:	µg/Kg	Prep Date:		Run ID:	5973L_070531A
Client ID:	ZZZZZ	Batch ID:	18662	TestNo:	SW8260B			Analysis Date:	5/31/2007	SeqNo:	469977
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	71.49	10.0	60	0	119	80	120	0	0		
1,2-Dichloropropane	60.7	10.0	60	0	101	80	120	0	0		
Chloroform	61.09	10.0	60	0	102	80	120	0	0		
Ethylbenzene	60.73	10.0	60	0	101	80	120	0	0		
Toluene	66.19	10.0	60	0	110	80	120	0	0		
Vinyl chloride	48.22	10.0	60	0	80.4	80	120	0	0		

Sample ID	CCV-18662	SampType:	CCV	TestCode:	8260_S	Units:	µg/Kg	Prep Date:		Run ID:	5973L_070531A
Client ID:	ZZZZZ	Batch ID:	18662	TestNo:	SW8260B			Analysis Date:	6/1/2007	SeqNo:	470191
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	68.19	10.0	60	0	114	80	120	0	0		

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B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.

Work Order: 0705151

Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID	CCV-18662	SampType: CCV	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: 5973L_070531A					
Client ID: ZZZZZ	Batch ID: 18662	TestNo: SW8260B	Analysis Date: 6/1/2007	SeqNo: 470191							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	57.58	10.0	60	0	96	80	120	0	0		
Chloroform	55.39	10.0	60	0	92.3	80	120	0	0		
Ethylbenzene	56.44	10.0	60	0	94.1	80	120	0	0		
Toluene	62.77	10.0	60	0	105	80	120	0	0		
Vinyl chloride	49.9	10.0	60	0	83.2	80	120	0	0		

Sample ID	CCV-18716	SampType: CCV	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: 5973L_070607A					
Client ID: ZZZZZ	Batch ID: 18716	TestNo: SW8260B	Analysis Date: 6/7/2007	SeqNo: 471996							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	71.75	10.0	60	0	120	80	120	0	0		
1,2-Dichloropropane	61.55	10.0	60	0	103	80	120	0	0		
Chloroform	62.47	10.0	60	0	104	80	120	0	0		
Ethylbenzene	58.03	10.0	60	0	96.7	80	120	0	0		
Toluene	63.99	10.0	60	0	107	80	120	0	0		
Vinyl chloride	57.25	10.0	60	0	95.4	80	120	0	0		

Sample ID	CCV-18716	SampType: CCV	TestCode: 8260_S	Units: µg/Kg	Prep Date:	Run ID: 5973L_070607A					
Client ID:	ZZZZZ	Batch ID: 18716	TestNo: SW8260B		Analysis Date: 6/8/2007	SeqNo: 472024					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	70.66	10.0	60	0	118	80	120	0	0		
1,2-Dichloropropane	62.71	10.0	60	0	105	80	120	0	0		
Chloroform	63.83	10.0	60	0	106	80	120	0	0		
Ethylbenzene	62.54	10.0	60	0	104	80	120	0	0		
Toluene	69.64	10.0	60	0	116	80	120	0	0		
Vinyl chloride	60.98	10.0	60	0	102	80	120	0	0		

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CLIENT: Environmental Compliance Northwest, Inc.

Work Order: 0705151

Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID	MB-18661	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	5/31/2007	Run ID:	5973J_070531A
Client ID:	ZZZZZ	Batch ID:	18661	TestNo:	SW8260B			Analysis Date:	5/31/2007	SeqNo:	470021
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1.00									
1,1,1-Trichloroethane	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									
1,1-Dichloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
1,1-Dichloropropene	ND	1.00									
1,2,3-Trichlorobenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2-Dibromoethane	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dichloroethane	ND	1.00									
1,2-Dichloropropane	ND	1.00									
1,3,5-Trimethylbenzene	0.18	1.00									J
1,3-Dichlorobenzene	ND	1.00									
1,3-Dichloropropane	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
2,2-Dichloropropane	ND	1.00									
2-Butanone	ND	10.0									
2-Chlorotoluene	0.18	1.00									J
2-Hexanone	ND	10.0									
4-Chlorotoluene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	50.0									
Acrylonitrile	ND	5.00									
Benzene	ND	0.300									
Bromobenzene	ND	1.00									

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CLIENT: Environmental Compliance Northwest, Inc.
WorkOrder: 0705151
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID	MB-18661	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	5/31/2007	Run ID:	5973J_070531A
Client ID:	ZZZZZ	Batch ID:	18661	TestNo:	SW8260B			Analysis Date:	5/31/2007	SeqNo:	470021
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromochloromethane	ND	1.00									
Bromodichloromethane	ND	1.00									
Bromoform	ND	1.00									
Bromomethane	ND	1.00									
Carbon disulfide	ND	2.00									
Carbon tetrachloride	ND	1.00									
Chlorobenzene	ND	1.00									
Chloroethane	ND	1.00									
Chloroform	ND	1.00									
Chloromethane	ND	1.00									
cis-1,2-Dichloroethene	1.54	1.00									
cis-1,3-Dichloropropene	ND	1.00									
Dibromochloromethane	ND	1.00									
Dibromomethane	ND	1.00									
Dichlorodifluoromethane	ND	1.00									
Ethylbenzene	0.23	1.00									J
Hexachlorobutadiene	ND	1.00									
Isopropylbenzene	ND	1.00									
m,p-Xylene	0.41	2.00									J
Methyl tert-butyl ether	ND	1.00									
Methylene chloride	ND	20.0									
n-Butylbenzene	ND	1.00									
n-Propylbenzene	ND	1.00									
Naphthalene	ND	1.00									
o-Xylene	ND	1.00									
sec-Butylbenzene	0.17	1.00									J
Styrene	ND	1.00									
tert-Butylbenzene	ND	1.00									
Tetrachloroethene	ND	1.00									
Toluene	0.12	1.00									J
trans-1,2-Dichloroethene	ND	1.00									

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CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0705151
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID	MB-18661	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	5/31/2007	Run ID:	5973J_070531A
Client ID:	ZZZZZ	Batch ID:	18661	TestNo:	SW8260B			Analysis Date:	5/31/2007	SeqNo:	470021
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene	ND	1.00									
Trichloroethene	0.58	1.00									J
Trichlorofluoromethane	ND	1.00									
Vinyl chloride	1.72	1.00									
Surr:1,2-Dichloroethane-d4	97.49	0	100	0	97.5	72.2	129	0	0		
Surr:4-Bromofluorobenzene	111.6	0	100	0	112	73.5	125	0	0		
Surr:Dibromofluoromethane	109.4	0	100	0	109	58.8	148	0	0		
Surr:Toluene-d8	111.9	0	100	0	112	79.8	137	0	0		

Sample ID	LCS-18661	SampType:	LCS	TestCode:	8260_W	Units:	µg/L	Prep Date:	5/31/2007	Run ID:	5973J_070531A
Client ID:	ZZZZZ	Batch ID:	18661	TestNo:	SW8260B			Analysis Date:	5/31/2007	SeqNo:	470020
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	38.65	1.00	40	0	96.6	69.9	130	0	0		
Benzene	38.79	0.300	40	0	97	77.9	125	0	0		
Chlorobenzene	37.47	1.00	40	0	93.7	82.5	114	0	0		
Toluene	39.45	1.00	40	0.12	98.3	74.6	119	0	0		
Trichloroethene	41.26	1.00	40	0.58	102	74.7	125	0	0		

Sample ID	0705151-21AMS	SampType:	MS	TestCode:	8260_W	Units:	µg/L	Prep Date:	5/31/2007	Run ID:	5973J_070531A
Client ID:	B-102	Batch ID:	18661	TestNo:	SW8260B			Analysis Date:	5/31/2007	SeqNo:	470026
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	41.19	1.00	40	0	103	51.4	176	0	0		
Benzene	45.46	0.300	40	5.04	101	71.5	118	0	0		
Chlorobenzene	38.99	1.00	40	0	97.5	79.8	114	0	0		
Toluene	50.63	1.00	40	9.77	102	79.6	121	0	0		
Trichloroethene	43.07	1.00	40	0.61	106	73.6	120	0	0		

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CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0705151
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID	0705151-21AMSD	SampType: MSD	TestCode: 8260_W	Units: µg/L	Prep Date: 5/31/2007	Run ID: 5973J_070531A					
Client ID: B-102	Batch ID: 18661	TestNo: SW8260B	Analysis Date: 5/31/2007	SeqNo: 470027							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	36.39	1.00	40	0	91	51.4	176	41.19	12.4	20	
Benzene	42.39	0.300	40	5.04	93.4	71.5	118	45.46	6.99	20	
Chlorobenzene	36.49	1.00	40	0	91.2	79.8	114	38.99	6.62	20	
Toluene	46.17	1.00	40	9.77	91	79.6	121	50.63	9.21	20	
Trichloroethene	39.57	1.00	40	0.61	97.4	73.6	120	43.07	8.47	20	

Sample ID	CCV-18661	SampType:	CCV	TestCode:	8260_W	Units:	µg/L	Prep Date:		Run ID:	5973J_070531A	
Client ID:	ZZZZZ	Batch ID:	18661	TestNo:	SW8260B			Analysis Date:	5/31/2007	SeqNo:	470019	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene		38.61	1.00	40	0	96.5	80	120	0	0		
1,2-Dichloropropane		40.02	1.00	40	0	100	80	120	0	0		
Chloroform		41.95	1.00	40	0	105	80	120	0	0		
Ethylbenzene		39.53	1.00	40	0	98.8	80	120	0	0		
Toluene		38.58	1.00	40	0	96.5	80	120	0	0		
Vinyl chloride		42.39	1.00	40	0	106	80	120	0	0		

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CLIENT: Environmental Compliance Northwest, Inc.
WorkOrder: 0705151
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDX_S

Sample ID	MBLK	SampType:	MBLK	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:	5/29/2007	Run ID:	GC-M_070530B		
Client ID:	ZZZZZ	Batch ID:	18639	TestNo:	NWTPH-Dx			Analysis Date:	5/30/2007	SeqNo:	469645		
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	28.79	0	33.33	0	86.4	50	150	0	0					

Sample ID	MBLK	SampType:	MBLK	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:	6/6/2007	Run ID:	GC-M_070607A		
Client ID:	ZZZZZ	Batch ID:	18715	TestNo:	NWTPH-Dx			Analysis Date:	6/7/2007	SeqNo:	471935		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	4.256	15.0												J
Hydraulic Oil	15.31	50.0												J
Kerosene	12.5	15.0												J
Lube Oil	ND	50.0												
Surr: o-Terphenyl	29.63	0	33.33	0	88.9	50	150	0	0					

Sample ID	LCS	SampType:	LCS	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:	5/29/2007	Run ID:	GC-M_070530B		
Client ID:	ZZZZZ	Batch ID:	18639	TestNo:	NWTPH-Dx			AnalysisDate:	5/30/2007	SeqNo:	469646		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	185.9	15.0	167	0	111	76.3	125	0	0					
Lube Oil	163.4	50.0	167	0	97.8	69.9	127	0	0					

Sample ID	LCS	SampType:	LCS	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:	6/6/2007	Run ID:	GC-M_070607A		
Client ID:	ZZZZZ	Batch ID:	18715	TestNo:	NWTPH-Dx			Analysis Date:	6/7/2007	SeqNo:	471936		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	201.6	15.0	167	4.256	118	76.3	125	0	0					
Lube Oil	164.9	50.0	167	0	98.8	69.9	127	0	0					

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CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0705151
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDX_S

Sample ID	0705151-12ADUP	SampType:	DUP	TestCode:	NWTPHDX_S	Units:	mg/Kg-dry	Prep Date:		Run ID:	GC-M_070530B		
Client ID:	MW-4-10'	Batch ID:	18639	TestNo:	NWTPH-Dx			Analysis Date:	5/30/2007	SeqNo:	469652		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		70.33		18.9	0	0	0	0	0	54.41	25.5	20	RF,L
Lube Oil		ND		63.1	0	0	0	0	0	0	0	20	

Sample ID	0706008-14ADUP	SampType:	DUP	TestCode:	NWTPHDX_S	Units:	mg/Kg-dry	Prep Date:	6/6/2007	Run ID:	GC-M_070607A		
Client ID:	ZZZZZ	Batch ID:	18715	TestNo:	NWTPH-Dx			Analysis Date:	6/7/2007	SeqNo:	471941		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		10.85		21.1	0	0	0	0	0	12.8	0	20	J
Lube Oil		ND		70.3	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_070530B		
Client ID:	ZZZZZ	Batch ID:	18639	TestNo:	NWTPH-Dx			Analysis Date:	5/30/2007	SeqNo:	469647		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		902.9		15.0	1002	0	90.1	85	115	0	0		
Lube Oil		553.9		50.0	497.6	0	111	85	115	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_070530B		
Client ID:	ZZZZZ	Batch ID:	18639	TestNo:	NWTPH-Dx			Analysis Date:	5/30/2007	SeqNo:	469655		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		1220		15.0	1336	0	91.3	85	115	0	0		
Lube Oil		706.3		50.0	663.6	0	106	85	115	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_070607A		
Client ID:	ZZZZZ	Batch ID:	18715	TestNo:	NWTPH-Dx			Analysis Date:	6/7/2007	SeqNo:	471937		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		939.3		15.0	1002	0	93.8	85	115	0	0		
Hydraulic Oil		569.8		50.0	500	0	114	85	115	0	0		

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CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0705151
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDX_S

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-M_070607A		
Client ID:	ZZZZZ	Batch ID:	18715	TestNo:	NWTPH-Dx			Analysis Date:	6/7/2007	SeqNo:	471937		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Kerosene		1032		15.0	999.9	0	103	85	115	0	0		
Lube Oil		499.7		50.0	497.6	0	100	85	115	0	0		

Sample ID	CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	Run ID: GC-M_070607A					
Client ID: ZZZZZ	Batch ID: 18715	TestNo: NWTPH-Dx	Analysis Date: 6/7/2007	SeqNo: 471950							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1278	15.0	1336	0	95.7	85	115	0	0		
Hydraulic Oil	760.3	50.0	666.6	0	114	85	115	0	0		
Kerosene	1385	15.0	1333	0	104	85	115	0	0		
Lube Oil	675.9	50.0	663.6	0	102	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: 0705151
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDX_W

Sample ID	MBLK	SampType:	MBLK	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:	5/29/2007	Run ID:	GC-M_070530A	
Client ID:	ZZZZZ	Batch ID:	18634	TestNo:	NWTPH-Dx			Analysis Date:	5/30/2007	SeqNo:	469639	
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		0.3418	0	0.5	0	68.4	50	150	0	0		

Sample ID	LCS	SampType:	LCS	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:	5/29/2007	Run ID:	GC-M_070530A	
Client ID:	ZZZZZ	Batch ID:	18634	TestNo:	NWTPH-Dx			Analysis Date:	5/30/2007	SeqNo:	469640	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		2.254	0.250	2.505	0	90	60.7	121	0	0		
Lube Oil		2.215	0.500	2.505	0	88.4	64	126	0	0		

Sample ID	LCSD	SampType:	LCSD	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:	5/29/2007	Run ID:	GC-M_070530A	
Client ID:	ZZZZZ	Batch ID:	18634	TestNo:	NWTPH-Dx			Analysis Date:	5/30/2007	SeqNo:	469641	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		2.43	0.250	2.505	0	97	60.7	121	2.254	7.51	20	
Lube Oil		2.392	0.500	2.505	0	95.5	64	126	2.215	7.66	20	

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:		Run ID:	GC-M_070530A	
Client ID:	ZZZZZ	Batch ID:	18634	TestNo:	NWTPH-Dx			Analysis Date:	5/30/2007	SeqNo:	469642	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		13.54	0.250	15.03	0	90.1	85	115	0	0		
Lube Oil		8.309	0.500	7.465	0	111	85	115	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:		Run ID:	GC-M_070530A	
Client ID:	ZZZZZ	Batch ID:	18634	TestNo:	NWTPH-Dx			Analysis Date:	5/30/2007	SeqNo:	469644	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		18.3	0.250	20.04	0	91.3	85	115	0	0		

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B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0705151
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDX_W

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:		Run ID:	GC-M_070530A		
Client ID:	ZZZZZ	Batch ID:	18634	TestNo:	NWTPH-Dx			Analysis Date:	5/30/2007	SeqNo:	469644		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lube Oil		10.59		0.500	9.955	0	106	85	115	0	0		

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B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
WorkOrder: 0705151
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_S

Sample ID	MBLK	SampType:	MBLK	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:	5/29/2007	Run ID:	GC-H_070529B		
Client ID:	ZZZZZ	Batch ID:	18644	TestNo:	NWTPH-Gx			Analysis Date:	5/29/2007	SeqNo:	469303		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		1.653		2.50									J
Surr:4-Bromofluorobenzene		5.216		0	5	0	104	50	150	0	0		

Sample ID	MBLK	SampType:	MBLK	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:	6/4/2007	Run ID:	GC-H_070604C		
Client ID:	ZZZZZ	Batch ID:	18690	TestNo:	NWTPH-Gx			Analysis Date:	6/4/2007	SeqNo:	470704		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		2.214		2.50									J
Surr:4-Bromofluorobenzene		5.792		0	5	0	116	50	150	0	0		

Sample ID	LCS	SampType:	LCS	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:	5/29/2007	Run ID:	GC-H_070529B		
Client ID:	ZZZZZ	Batch ID:	18644	TestNo:	NWTPH-Gx			Analysis Date:	5/29/2007	SeqNo:	469304		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		47.96		2.50	50	1.653	92.6	53.5	121	0	0		

Sample ID	LCS	SampType:	LCS	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:	6/4/2007	Run ID:	GC-H_070604C		
Client ID:	ZZZZZ	Batch ID:	18690	TestNo:	NWTPH-Gx			Analysis Date:	6/4/2007	SeqNo:	470705		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		39.58		2.50	50	2.214	74.7	53.5	121	0	0		

Sample ID	0705151-02ADUP	SampType:	DUP	TestCode:	NWTPHGX_S	Units:	mg/Kg-dry	Prep Date:	5/29/2007	Run ID:	GC-H_070529B		
Client ID:	MW-1-10'	Batch ID:	18644	TestNo:	NWTPH-Gx			Analysis Date:	5/29/2007	SeqNo:	469307		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		1.794		3.35	0	0	0	0	0	2.339	0	20	J

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

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0705151
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_S

Sample ID	0705172-04ADUP	SampType:	DUP	TestCode:	NWTPHGX_S	Units:	mg/Kg-dry	Prep Date:	6/4/2007	Run ID:	GC-H_070604C	
Client ID:	ZZZZZ	Batch ID:	18690	TestNo:	NWTPH-Gx			Analysis Date:	6/4/2007	SeqNo:	470708	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		51.94	3.16	0	0	0	0	0	51.06	1.72	20	A

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-H_070529B	
Client ID:	ZZZZZ	Batch ID:	18644	TestNo:	NWTPH-Gx			Analysis Date:	5/29/2007	SeqNo:	469305	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		116.7	2.50	125	0	93.3	80	120	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-H_070529B	
Client ID:	ZZZZZ	Batch ID:	18644	TestNo:	NWTPH-Gx			Analysis Date:	5/29/2007	SeqNo:	469311	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		125.2	2.50	135	0	92.8	80	120	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-H_070529B	
Client ID:	ZZZZZ	Batch ID:	18644	TestNo:	NWTPH-Gx			Analysis Date:	5/30/2007	SeqNo:	469312	
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-H_070529B	
Client ID:	ZZZZZ	Batch ID:	18644	TestNo:	NWTPH-Gx			Analysis Date:	5/30/2007	SeqNo:	469316	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		128.6	2.50	135	0	95.3	80	120	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-H_070604C	
Client ID:	ZZZZZ	Batch ID:	18690	TestNo:	NWTPH-Gx			Analysis Date:	6/4/2007	SeqNo:	470706	
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
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CLIENT: Environmental Compliance Northwest, Inc.

Work Order: 0705151

Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_S

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-H_070604C		
Client ID:	ZZZZZ	Batch ID:	18690	TestNo:	NWTPH-Gx			Analysis Date:	6/4/2007	SeqNo:	470706		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline		117.7		2.50	130	0		90.5	80	120	0	0	
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Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-H_070604C		
Client ID:	ZZZZZ	Batch ID:	18690	TestNo:	NWTPH-Gx			Analysis Date:	6/4/2007	SeqNo:	470714		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline		132.5		2.50	140	0		94.6	80	120	0	0	
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Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-H_070604C		
Client ID:	ZZZZZ	Batch ID:	18690	TestNo:	NWTPH-Gx			Analysis Date:	6/5/2007	SeqNo:	470796		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline		123.6		2.50	125	0		98.9	80	120	0	0	
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Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_S	Units:	mg/Kg	Prep Date:		Run ID:	GC-H_070604C		
Client ID:	ZZZZZ	Batch ID:	18690	TestNo:	NWTPH-Gx			Analysis Date:	6/5/2007	SeqNo:	470820		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline		126.4		2.50	130	0		97.2	80	120	0	0	
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CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0705151
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_W

Sample ID	MBLK	SampType:	MBLK	TestCode:	NWTPHGX_	Units:	µg/L	Prep Date:	5/29/2007	Run ID:	GC-H_070529A	
Client ID:	ZZZZZ	Batch ID:	18645	TestNo:	NWTPH-Gx			Analysis Date:	5/29/2007	SeqNo:	469296	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		38.85	100									J
Surr:4-Bromofluorobenzene		88.68	0	100	0	88.7	50	150	0	0		

Sample ID	LCS	SampType:	LCS	TestCode:	NWTPHGX_	Units:	µg/L	Prep Date:	5/29/2007	Run ID:	GC-H_070529A	
Client ID:	ZZZZZ	Batch ID:	18645	TestNo:	NWTPH-Gx			Analysis Date:	5/29/2007	SeqNo:	469297	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		2063	100	2000	38.85	101	74.4	128	0	0		

Sample ID	0705151-21ADUP	SampType:	DUP	TestCode:	NWTPHGX_	Units:	µg/L	Prep Date:	5/29/2007	Run ID:	GC-H_070529A	
Client ID:	B-102	Batch ID:	18645	TestNo:	NWTPH-Gx			Analysis Date:	5/29/2007	SeqNo:	469301	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		78.42	100	0	0	0	0	0	85.98	0	20	J

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_	Units:	µg/L	Prep Date:		Run ID:	GC-H_070529A	
Client ID:	ZZZZZ	Batch ID:	18645	TestNo:	NWTPH-Gx			Analysis Date:	5/29/2007	SeqNo:	469298	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		2407	100	2500	0	96.3	80	120	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_	Units:	µg/L	Prep Date:		Run ID:	GC-H_070529A	
Client ID:	ZZZZZ	Batch ID:	18645	TestNo:	NWTPH-Gx			Analysis Date:	5/29/2007	SeqNo:	469302	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		2333	100	2600	0	89.7	80	120	0	0		

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

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0705151
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: PAHLL_S

Sample ID	MB-18568	SampType:	MBLK	TestCode:	PAHLL_S	Units:	µg/Kg	Prep Date:		Run ID:	5975Q_070531A
Client ID:	ZZZZZ	Batch ID:	18658	TestNo:	8270SIM			Analysis Date:	5/31/2007	SeqNo:	470060
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	2.667	6.67									J
Acenaphthylene	2.667	6.67									J
Anthracene	3.333	6.67									J
Benz(a)anthracene	6	6.67									J
Benzo(a)pyrene	3.333	6.67									J
Benzo(b)fluoranthene	3.333	6.67									J
Benzo(g,h,i)perylene	2.667	6.67									J
Benzo(k)fluoranthene	3.333	6.67									J
Chrysene	4.667	6.67									J
Dibenz(a,h)anthracene	3.333	6.67									J
Fluoranthene	4	6.67									J
Fluorene	3.333	6.67									J
Indeno(1,2,3-cd)pyrene	2.667	6.67									J
Naphthalene	5.333	6.67									J
Phenanthrene	3.333	6.67									J
Pyrene	4.667	6.67									J
Surr: 2-Fluorobiphenyl	5048	0	6667	0	75.7	42.6	128	0	0		
Surr: Nitrobenzene-d5	6771	0	6667	0	102	21.7	155	0	0		
Surr: p-Terphenyl-d14	9706	0	6667	0	146	44.9	155	0	0		

Sample ID	LCS-18658	SampType:	LCS	TestCode:	PAHLL_S	Units:	µg/Kg	Prep Date:	5/31/2007	Run ID:	5975Q_070531A
Client ID:	ZZZZZ	Batch ID:	18658	TestNo:	8270SIM			Analysis Date:	5/31/2007	SeqNo:	470061
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	214.7	6.67	333.3	2.667	63.6	39.6	107	0	0		
Benzo(g,h,i)perylene	246.7	6.67	333.3	2.667	73.2	49.7	135	0	0		
Chrysene	290.7	6.67	333.3	4.667	85.8	57.1	130	0	0		
Naphthalene	206	6.67	333.3	5.333	60.2	29.1	109	0	0		
Phenanthrene	238.7	6.67	333.3	3.333	70.6	48.4	115	0	0		
Pyrene	301.3	6.67	333.3	4.667	89	47.2	134	0	0		

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

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0705151
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: PAHLL_S

Sample ID	0705056-10CMS	SampType:	MS	TestCode:	PAHLL_S	Units:	µg/Kg	Prep Date:	5/31/2007	Run ID:	5975Q_070531A
Client ID:	ZZZZZ	Batch ID:	18658	TestNo:	8270SIM			Analysis Date:	5/31/2007	SeqNo:	470063
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	232	6.67	333.3	0	69.6	33.7	111	0	0		
Benzo(g,h,i)perylene	231.3	6.67	333.3	2	68.8	15	128	0	0		
Chrysene	267.3	6.67	333.3	0	80.2	37.5	125	0	0		
Naphthalene	217.3	6.67	333.3	0	65.2	27.7	108	0	0		
Phenanthrene	244	6.67	333.3	1.333	72.8	20.2	139	0	0		
Pyrene	291.3	6.67	333.3	0	87.4	26.8	142	0	0		

Sample ID	0705056-10CMSD	SampType:	MSD	TestCode:	PAHLL_S	Units:	µg/Kg	Prep Date:	5/31/2007	Run ID:	5975Q_070531A
Client ID:	ZZZZZ	Batch ID:	18658	TestNo:	8270SIM			Analysis Date:	5/31/2007	SeqNo:	470066
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	250.7	6.67	333.3	0	75.2	33.7	111	232	7.73	20	
Benzo(g,h,i)perylene	163.3	6.67	333.3	2	48.4	15	128	231.3	34.5	20	R
Chrysene	273.3	6.67	333.3	0	82	37.5	125	267.3	2.22	20	
Naphthalene	218	6.67	333.3	0	65.4	27.7	108	217.3	0.306	20	
Phenanthrene	260.7	6.67	333.3	1.333	77.8	20.2	139	244	6.61	20	
Pyrene	316.7	6.67	333.3	0	95	26.8	142	291.3	8.33	20	

Sample ID	CCV-18658	SampType:	CCV	TestCode:	PAHLL_S	Units:	µg/Kg	Prep Date:		Run ID:	5975Q_070531A
Client ID:	ZZZZZ	Batch ID:	18658	TestNo:	8270SIM			Analysis Date:	5/31/2007	SeqNo:	470059
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	150.7	6.67	133.3	0	113	70	130	0	0		
Acenaphthylene	147.3	6.67	133.3	0	110	70	130	0	0		
Anthracene	136	6.67	133.3	0	102	70	130	0	0		
Benz(a)anthracene	154	6.67	133.3	0	116	70	130	0	0		
Benzo(a)pyrene	150.7	6.67	133.3	0	113	70	130	0	0		
Benzo(b)fluoranthene	127.3	6.67	133.3	0	95.5	70	130	0	0		
Benzo(g,h,i)perylene	138	6.67	133.3	0	104	70	130	0	0		
Benzo(k)fluoranthene	146.7	6.67	133.3	0	110	70	130	0	0		
Chrysene	153.3	6.67	133.3	0	115	70	130	0	0		

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

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.

Work Order: 0705151

Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: PAHLL_S

Sample ID	CCV-18658	SampType:	CCV	TestCode:	PAHLL_S	Units:	µg/Kg	Prep Date:		Run ID:	5975Q_070531A
Client ID:	ZZZZZ	Batch ID:	18658	TestNo:	8270SIM			Analysis Date:	5/31/2007	SeqNo:	470059
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenz(a,h)anthracene	142.7	6.67	133.3	0	107	70	130	0	0		
Fluoranthene	154	6.67	133.3	0	116	70	130	0	0		
Fluorene	148	6.67	133.3	0	111	70	130	0	0		
Indeno(1,2,3-cd)pyrene	138.7	6.67	133.3	0	104	70	130	0	0		
Naphthalene	150	6.67	133.3	0	112	70	130	0	0		
Phenanthrene	148	6.67	133.3	0	111	70	130	0	0		
Pyrene	172.7	6.67	133.3	0	130	70	130	0	0		

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

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

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.

WorkOrder: 0705151

Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: PAHLL_W

Sample ID	MB-18635	SampType:	MBLK	TestCode:	PAHLL_W	Units:	µg/L	Prep Date:	5/29/2007	Run ID:	5975Q_070529A
Client ID:	ZZZZZ	Batch ID:	18635	TestNo:	8270SIM			Analysis Date:	5/29/2007	SeqNo:	469342
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0500									
Acenaphthylene	ND	0.0500									
Anthracene	ND	0.0500									
Benz(a)anthracene	0.01	0.0500									J
Benzo(a)pyrene	ND	0.0500									
Benzo(b)fluoranthene	ND	0.0500									
Benzo(g,h,i)perylene	ND	0.0500									
Benzo(k)fluoranthene	ND	0.0500									
Chrysene	ND	0.0500									
Dibenz(a,h)anthracene	ND	0.0500									
Fluoranthene	0.01	0.0500									J
Fluorene	ND	0.0500									
Indeno(1,2,3-cd)pyrene	ND	0.0500									
Naphthalene	0.03	0.0500									J
Phenanthrene	0.03	0.0500									J
Pyrene	0.01	0.0500									J
Surr: 2-Fluorobiphenyl	81.53	1.00	100	0	81.5	18.6	106	0	0		
Surr: Nitrobenzene-d5	90.88	1.00	100	0	90.9	17	130	0	0		
Surr: p-Terphenyl-d14	136.5	1.00	100	0	137	39.6	131	0	0		S

Sample ID	LCS-18635	SampType:	LCS	TestCode:	PAHLL_W	Units:	µg/L	Prep Date:	5/29/2007	Run ID:	5975Q_070529A
Client ID:	ZZZZZ	Batch ID:	18635	TestNo:	8270SIM			Analysis Date:	5/29/2007	SeqNo:	469343
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.17	0.0500	5	0	63.4	35.1	100	0	0		
Benzo(g,h,i)perylene	3.08	0.0500	5	0	61.6	20.8	120	0	0		
Chrysene	3.8	0.0500	5	0	76	39.1	119	0	0		
Naphthalene	2.95	0.0500	5	0.03	58.4	25.6	106	0	0		
Phenanthrene	3.65	0.0500	5	0.03	72.4	38.1	106	0	0		
Pyrene	4.25	0.0500	5	0.01	84.8	41.3	118	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

Page 27 of 28

CLIENT: Environmental Compliance Northwest, Inc.

Work Order: 0705151

Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: PAHLL_W

Sample ID	LCSD-18635	SampType:	LCSD	TestCode:	PAHLL_W	Units:	µg/L	Prep Date:	5/29/2007	Run ID:	5975Q_070529A
Client ID:	ZZZZZ	Batch ID:	18635	TestNo:	8270SIM			Analysis Date:	5/29/2007	SeqNo:	469344
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	2.93	0.0500	5	0	58.6	35.1	100	3.17	7.87	20	
Benzo(g,h,i)perylene	3.03	0.0500	5	0	60.6	20.8	120	3.08	1.64	20	
Chrysene	3.99	0.0500	5	0	79.8	39.1	119	3.8	4.88	20	
Naphthalene	2.93	0.0500	5	0.03	58	25.6	106	2.95	0.680	20	
Phenanthrene	3.61	0.0500	5	0.03	71.6	38.1	106	3.65	1.10	20	
Pyrene	4.15	0.0500	5	0.01	82.8	41.3	118	4.25	2.38	20	

Sample ID	CCV-18635	SampType:	CCV	TestCode:	PAHLL_W	Units:	µg/L	Prep Date:		Run ID:	5975Q_070529A
Client ID:	ZZZZZ	Batch ID:	18635	TestNo:	8270SIM			Analysis Date:	5/29/2007	SeqNo:	469341
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	2.33	0.0500	2	0	116	70	130	0	0		
Acenaphthylene	2.34	0.0500	2	0	117	70	130	0	0		
Anthracene	2	0.0500	2	0	100	70	130	0	0		
Benz(a)anthracene	2.07	0.0500	2	0	104	70	130	0	0		
Benzo(a)pyrene	1.96	0.0500	2	0	98	70	130	0	0		
Benzo(b)fluoranthene	1.72	0.0500	2	0	86	70	130	0	0		
Benzo(g,h,i)perylene	1.76	0.0500	2	0	88	70	130	0	0		
Benzo(k)fluoranthene	2.06	0.0500	2	0	103	70	130	0	0		
Chrysene	2.11	0.0500	2	0	106	70	130	0	0		
Dibenz(a,h)anthracene	1.64	0.0500	2	0	82	70	130	0	0		
Fluoranthene	2.01	0.0500	2	0	101	70	130	0	0		
Fluorene	2.26	0.0500	2	0	113	70	130	0	0		
Indeno(1,2,3-cd)pyrene	1.69	0.0500	2	0	84.5	70	130	0	0		
Naphthalene	2.12	0.0500	2	0	106	70	130	0	0		
Phenanthrene	2.01	0.0500	2	0	101	70	130	0	0		
Pyrene	2.32	0.0500	2	0	116	70	130	0	0		

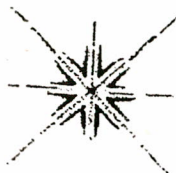
Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

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

B - Analyte detected in the associated Method Blank

KEY TO FLAGS

- 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.



Specialty Analytical

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

Collected By: [Signature]

Signature: [Signature]

Printed: John Day

Signature: _____

Printed: _____

Turn Around Time

☒ Normal

☐ Rush

Specify _____

Rush Analyses Must Be Scheduled With The Lab In Advance

CHAIN OF CUSTODY RECORD

Page 1 of 2

Contact Person/Project Manager John Day

Company ECNW

Address PO Box 230163

PORTLAND, OR 97281

Phone 503 372 9762

Fax 503 213 9980

Project No. 05-106

Project Name Pavell-Molalla

Invoice To _____

P.O. No. _____

				Analyses						For Laboratory Use								
Date	Time	Sample ID	Matrix	No of Containers	TPH-Gx	TPH-Dx	RBDm VOCs	PAHs	Total Lead			Lab Job No	Shipped Via	Air Bill No	Temperature On Receipt	Specialty Analytical Containers?	Specialty Analytical Trip Blanks?	
5/29/07	840	MW-1-5'	5	1								0705151						
	850	MW-1-10'		1	X	X												
	900	MW-1-15'		1														
	1210	MW-2-5'		1														
	1220	MW-2-10'		1														
	1230	MW-2-15'		1	X	X												
	1410	MW-3-5'		1														
	1420	MW-3-10'		1	X	X												
	1430	MW-3-15'		1														
	1530	MW-4-3'		1														
	1540	MW-4-5'		1	X	X												
	1550	MW-4-10'		1	X	X	X	X	X									
Relinquished By: <u>[Signature]</u>				Date	Time	Received By:				Relinquished By:				Date	Time			
Company: <u>ECNW</u>				5/27/07		Company:				Company:				5/25/07	16:40			
Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt. Copies: White-Original Yellow-Project File Pink-Customer Copy																		
Received For Lab By: <u>[Signature]</u>										Date	Time							
										5/25/07	16:40							

For Laboratory Use

Lab Job No 0705151

Shipped Via _____

Air Bill No _____

Temperature On Receipt _____ °C

Specialty Analytical Containers? ☒ Y ☒ N

Specialty Analytical Trip Blanks? ☒ Y ☒ N

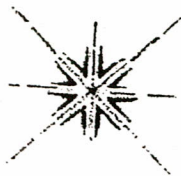
Comments

Lab ID

IF Gx is
Detected, Run
RBDm VOCs *

Run Methyl
Highest
Dx 10K PAHs *

* Soil



Specialty Analytical

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

Collected By:

Signature

Printed

Signature

Printed

Turn Around Time

☒ Normal

☐ Rush

Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

CHAIN OF CUSTODY RECORD

Page 2 of 2

Contact Person/Project Manager

Company

Address

Phone

Project No.

Invoice To

John Day

ECNW

PO Box 230163

PORTLAND, OR 97281

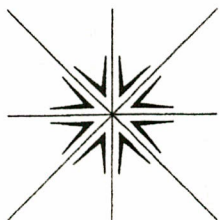
503 372 9760 Fax 503 213 9980

05-106 Project Name

Pavell-Matalla

P.O. No

				Analyses												For Laboratory Use							
Date	Time	Sample ID	Matrix	No. of Containers	TPH-Gx	TPH-Dx	TPH-Dm Vols	TPHs									Lab Job No	Shipped Via	Air Bill No	Temperature On Receipt	Specialty Analytical Containers?	Specialty Analytical Trip Blank?	
5/24/07	1600	MW-4-15'	S														0705151						
	1730	B-101-3'																					
	1800	B-101-5'																					
	1810	B-101-10'																					
	1820	B-102-3'			X	X																	
	1830	B-102-5'																					
	1840	B-102-10'																					
5/25/07	0920	B-101	W		X	X																	
	0940	B-102	W		X	X	X																
			W		X	X	X	X															
Relinquished By: [Signature]				Date	Time	Received By: [Signature]												Relinquished By: [Signature]		Date	Time		
Company: ECNW				5/24/07		Company:												Company:		5/25/07	16140		
Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.																							
Copies: White-Original Yellow-Project File Pink-Customer Copy																							



Specialty Analytical

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

June 15, 2007

John Day
Environmental Compliance Northwest, Inc.
P.O. Box 230163
Portland, OR 97281

TEL: (503) 372-9760

FAX (503) 213-9980

RE: Powell-Molalla / 05-106

Dear John Day:

Order No.: 0706031

Specialty Analytical received 4 samples on 6/5/2007 for the analyses presented in the following report.

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

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

Sincerely,

for *Andy Hallegard*
Ned Engleson
Project Manager

[Signature]
Technical Review

Specialty Analytical

Date: 15-Jun-07

CLIENT: Environmental Compliance Northwest, Inc.
Lab Order: 0706031
Project: Powell-Molalla / 05-106
Lab ID: 0706031-01

Client Sample ID: MW-1
Collection Date: 6/5/2007 4:30:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						
Diesel	0.247	0.0502	A1,L	mg/L	1	Analyst: jrp 6/7/2007
Lube Oil	0.116	0.100	F	mg/L	1	6/7/2007
Surr: o-Terphenyl	69.2	50-150		%REC	1	6/7/2007
BTEX - RBC						
Benzene	40.5	0.300		µg/L	1	Analyst: jrp 6/6/2007
Toluene	7.16	0.500		µg/L	1	6/6/2007
Ethylbenzene	51.2	0.500		µg/L	1	6/6/2007
Xylenes, Total	67.4	1.50		µg/L	1	6/6/2007
Surr: 4-Bromofluorobenzene	108	74.8-126		%REC	1	6/6/2007
NWTPH-GX						
Gasoline	624	100		µg/L	1	Analyst: jrp 6/6/2007
Surr: 4-Bromofluorobenzene	98.7	50-150		%REC	1	6/6/2007
LOW LEVEL PAH BY GC/MS OARSIM (8270C)						
Acenaphthene	ND	0.0503		µg/L	1	Analyst: bda 6/8/2007 10:57:00 AM
Acenaphthylene	ND	0.0503		µg/L	1	6/8/2007 10:57:00 AM
Anthracene	ND	0.0503		µg/L	1	6/8/2007 10:57:00 AM
Benz(a)anthracene	ND	0.0503		µg/L	1	6/8/2007 10:57:00 AM
Benzo(a)pyrene	ND	0.0503		µg/L	1	6/8/2007 10:57:00 AM
Benzo(b)fluoranthene	ND	0.0503		µg/L	1	6/8/2007 10:57:00 AM
Benzo(g,h,i)perylene	ND	0.0503		µg/L	1	6/8/2007 10:57:00 AM
Benzo(k)fluoranthene	ND	0.0503		µg/L	1	6/8/2007 10:57:00 AM
Chrysene	ND	0.0503		µg/L	1	6/8/2007 10:57:00 AM
Dibenz(a,h)anthracene	ND	0.0503		µg/L	1	6/8/2007 10:57:00 AM
Fluoranthene	ND	0.0503		µg/L	1	6/8/2007 10:57:00 AM
Fluorene	ND	0.0503		µg/L	1	6/8/2007 10:57:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.0503		µg/L	1	6/8/2007 10:57:00 AM
Naphthalene	2.81	0.0503		µg/L	1	6/8/2007 10:57:00 AM
Phenanthrene	ND	0.0503		µg/L	1	6/8/2007 10:57:00 AM
Pyrene	ND	0.0503		µg/L	1	6/8/2007 10:57:00 AM
Surr: 2-Fluorobiphenyl	42.3	18.6-106		%REC	1	6/8/2007 10:57:00 AM
Surr: Nitrobenzene-d5	75.2	17-130		%REC	1	6/8/2007 10:57:00 AM
Surr: p-Terphenyl-d14	94.4	39.6-131		%REC	1	6/8/2007 10:57:00 AM
VOLATILE ORGANICS BY GC/MS						
1,2,4-Trimethylbenzene	9.34	1.00		µg/L	1	Analyst: bda 6/8/2007 9:02:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	6/8/2007 9:02:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	6/8/2007 9:02:00 PM
1,3,5-Trimethylbenzene	5.98	1.00		µg/L	1	6/8/2007 9:02:00 PM
Benzene	30.4	0.400		µg/L	1	6/8/2007 9:02:00 PM
Ethylbenzene	43.7	1.00		µg/L	1	6/8/2007 9:02:00 PM

Specialty Analytical

Date: 15-Jun-07

CLIENT: Environmental Compliance Northwest, Inc.

Client Sample ID: MW-1

Lab Order: 0706031

Collection Date: 6/5/2007 4:30:00 PM

Project: Powell-Molalla / 05-106

Lab ID: 0706031-01

Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		SW8260B		Analyst: bda		
Isopropylbenzene	2.95	1.00		µg/L	1	6/8/2007 9:02:00 PM
m,p-Xylene	19.9	2.00		µg/L	1	6/8/2007 9:02:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	6/8/2007 9:02:00 PM
n-Propylbenzene	5.04	1.00		µg/L	1	6/8/2007 9:02:00 PM
Naphthalene	ND	1.00		µg/L	1	6/8/2007 9:02:00 PM
o-Xylene	38.8	1.00		µg/L	1	6/8/2007 9:02:00 PM
Toluene	5.54	1.00		µg/L	1	6/8/2007 9:02:00 PM
Surr: 1,2-Dichloroethane-d4	84.0	72.2-129		%REC	1	6/8/2007 9:02:00 PM
Surr: 4-Bromofluorobenzene	95.1	73.5-125		%REC	1	6/8/2007 9:02:00 PM
Surr: Dibromofluoromethane	91.3	58.8-148		%REC	1	6/8/2007 9:02:00 PM
Surr: Toluene-d8	97.9	79.8-137		%REC	1	6/8/2007 9:02:00 PM

Specialty Analytical

Date: 15-Jun-07

CLIENT: Environmental Compliance Northwest, Inc.
Lab Order: 0706031
Project: Powell-Molalla / 05-106
Lab ID: 0706031-02

Client Sample ID: MW-2
Collection Date: 6/5/2007 4:40:00 PM

Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						
Diesel	0.237	0.0501		mg/L	1	6/7/2007
Lube Oil	ND	0.100		mg/L	1	6/7/2007
Surr: o-Terphenyl	79.8	50-150		%REC	1	6/7/2007
BTEX - RBC						
Benzene	ND	0.300		µg/L	1	6/6/2007
Toluene	ND	0.500		µg/L	1	6/6/2007
Ethylbenzene	ND	0.500		µg/L	1	6/6/2007
Xylenes, Total	ND	1.50		µg/L	1	6/6/2007
Surr: 4-Bromofluorobenzene	112	74.8-126		%REC	1	6/6/2007
NWTPH-GX						
Gasoline	ND	100		µg/L	1	6/6/2007
Surr: 4-Bromofluorobenzene	97.2	50-150		%REC	1	6/6/2007
LOW LEVEL PAH BY GC/MS OARSIM (8270C)						
8270SIM						
Acenaphthene	ND	0.0498		µg/L	1	6/8/2007 11:29:00 AM
Acenaphthylene	ND	0.0498		µg/L	1	6/8/2007 11:29:00 AM
Anthracene	ND	0.0498		µg/L	1	6/8/2007 11:29:00 AM
Benz(a)anthracene	ND	0.0498		µg/L	1	6/8/2007 11:29:00 AM
Benzo(a)pyrene	ND	0.0498		µg/L	1	6/8/2007 11:29:00 AM
Benzo(b)fluoranthene	ND	0.0498		µg/L	1	6/8/2007 11:29:00 AM
Benzo(g,h,i)perylene	ND	0.0498		µg/L	1	6/8/2007 11:29:00 AM
Benzo(k)fluoranthene	ND	0.0498		µg/L	1	6/8/2007 11:29:00 AM
Chrysene	ND	0.0498		µg/L	1	6/8/2007 11:29:00 AM
Dibenz(a,h)anthracene	ND	0.0498		µg/L	1	6/8/2007 11:29:00 AM
Fluoranthene	ND	0.0498		µg/L	1	6/8/2007 11:29:00 AM
Fluorene	ND	0.0498		µg/L	1	6/8/2007 11:29:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.0498		µg/L	1	6/8/2007 11:29:00 AM
Naphthalene	ND	0.0498		µg/L	1	6/8/2007 11:29:00 AM
Phenanthrene	ND	0.0498		µg/L	1	6/8/2007 11:29:00 AM
Pyrene	ND	0.0498		µg/L	1	6/8/2007 11:29:00 AM
Surr: 2-Fluorobiphenyl	45.1	18.6-106		%REC	1	6/8/2007 11:29:00 AM
Surr: Nitrobenzene-d5	84.2	17-130		%REC	1	6/8/2007 11:29:00 AM
Surr: p-Terphenyl-d14	104	39.6-131		%REC	1	6/8/2007 11:29:00 AM

Specialty Analytical

Date: 15-Jun-07

CLIENT: Environmental Compliance Northwest, Inc. **Client Sample ID:** MW-3
Lab Order: 0706031 **Collection Date:** 6/5/2007 4:50:00 PM
Project: Powell-Molalla / 05-106
Lab ID: 0706031-03 **Matrix:** AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX		NWTPH-DX				Analyst: jrp
Diesel	ND	0.0499	A3	mg/L	1	6/7/2007
Kerosene	0.308	0.0499		mg/L	1	6/8/2007
Lube Oil	ND	0.0998		mg/L	1	6/7/2007
Surr: o-Terphenyl	65.6	50-150		%REC	1	6/7/2007
BTEX - RBC		SW8021B				Analyst: jrp
Benzene	ND	0.300		µg/L	1	6/6/2007
Toluene	0.840	0.500		µg/L	1	6/6/2007
Ethylbenzene	2.04	0.500		µg/L	1	6/6/2007
Xylenes, Total	ND	1.50		µg/L	1	6/6/2007
Surr: 4-Bromofluorobenzene	115	74.8-126		%REC	1	6/6/2007
NWTPH-GX		NWTPH-GX				Analyst: jrp
Gasoline	363	100		µg/L	1	6/6/2007
Surr: 4-Bromofluorobenzene	102	50-150		%REC	1	6/6/2007
LOW LEVEL PAH BY GC/MS OARSIM (8270C)		8270SIM				Analyst: bda
Acenaphthene	ND	0.0495		µg/L	1	6/8/2007 12:00:00 PM
Acenaphthylene	ND	0.0495		µg/L	1	6/8/2007 12:00:00 PM
Anthracene	ND	0.0495		µg/L	1	6/8/2007 12:00:00 PM
Benz(a)anthracene	ND	0.0495		µg/L	1	6/8/2007 12:00:00 PM
Benzo(a)pyrene	ND	0.0495		µg/L	1	6/8/2007 12:00:00 PM
Benzo(b)fluoranthene	ND	0.0495		µg/L	1	6/8/2007 12:00:00 PM
Benzo(g,h,i)perylene	ND	0.0495		µg/L	1	6/8/2007 12:00:00 PM
Benzo(k)fluoranthene	ND	0.0495		µg/L	1	6/8/2007 12:00:00 PM
Chrysene	ND	0.0495		µg/L	1	6/8/2007 12:00:00 PM
Dibenz(a,h)anthracene	ND	0.0495		µg/L	1	6/8/2007 12:00:00 PM
Fluoranthene	ND	0.0495		µg/L	1	6/8/2007 12:00:00 PM
Fluorene	0.0792	0.0495		µg/L	1	6/8/2007 12:00:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.0495		µg/L	1	6/8/2007 12:00:00 PM
Naphthalene	0.287	0.0495		µg/L	1	6/8/2007 12:00:00 PM
Phenanthrene	ND	0.0495		µg/L	1	6/8/2007 12:00:00 PM
Pyrene	ND	0.0495		µg/L	1	6/8/2007 12:00:00 PM
Surr: 2-Fluorobiphenyl	35.1	18.6-106		%REC	1	6/8/2007 12:00:00 PM
Surr: Nitrobenzene-d5	66.1	17-130		%REC	1	6/8/2007 12:00:00 PM
Surr: p-Terphenyl-d14	113	39.6-131		%REC	1	6/8/2007 12:00:00 PM

Specialty Analytical

Date: 15-Jun-07

CLIENT: Environmental Compliance Northwest, Inc.
Lab Order: 0706031
Project: Powell-Molalla / 05-106
Lab ID: 0706031-04

Client Sample ID: MW-4
Collection Date: 6/5/2007 5:20:00 PM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX		NWTPH-DX				Analyst: jrp
Diesel	2.06	0.0526		mg/L	1	6/7/2007
Kerosene	3.50	0.0526		mg/L	1	6/8/2007
Lube Oil	0.229	0.105		mg/L	1	6/7/2007
Surr: o-Terphenyl	51.6	50-150		%REC	1	6/7/2007
NWTPH-GX		NWTPH-GX				Analyst: jrp
Gasoline	7370	100		µg/L	1	6/6/2007
Surr: 4-Bromofluorobenzene	105	50-150		%REC	1	6/6/2007
DISSOLVED METALS BY ICP/MS		SW6020				Analyst: zau
Lead	14	0.10		ug/L	1	6/13/2007 5:33:00 PM
LOW LEVEL PAH BY GC/MS OARSIM (8270C)		8270SIM				Analyst: bda
Acenaphthene	0.115	0.0525		µg/L	1	6/8/2007 12:31:00 PM
Acenaphthylene	ND	0.0525		µg/L	1	6/8/2007 12:31:00 PM
Anthracene	ND	0.0525		µg/L	1	6/8/2007 12:31:00 PM
Benz(a)anthracene	ND	0.0525		µg/L	1	6/8/2007 12:31:00 PM
Benzo(a)pyrene	ND	0.0525		µg/L	1	6/8/2007 12:31:00 PM
Benzo(b)fluoranthene	ND	0.0525		µg/L	1	6/8/2007 12:31:00 PM
Benzo(g,h,i)perylene	ND	0.0525		µg/L	1	6/8/2007 12:31:00 PM
Benzo(k)fluoranthene	ND	0.0525		µg/L	1	6/8/2007 12:31:00 PM
Chrysene	ND	0.0525		µg/L	1	6/8/2007 12:31:00 PM
Dibenz(a,h)anthracene	ND	0.0525		µg/L	1	6/8/2007 12:31:00 PM
Fluoranthene	ND	0.0525		µg/L	1	6/8/2007 12:31:00 PM
Fluorene	0.136	0.0525		µg/L	1	6/8/2007 12:31:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.0525		µg/L	1	6/8/2007 12:31:00 PM
Naphthalene	83.4	0.262		µg/L	5	6/8/2007 11:10:00 PM
Phenanthrene	0.0630	0.0525		µg/L	1	6/8/2007 12:31:00 PM
Pyrene	ND	0.0525		µg/L	1	6/8/2007 12:31:00 PM
Surr: 2-Fluorobiphenyl	32.8	18.6-106		%REC	1	6/8/2007 12:31:00 PM
Surr: Nitrobenzene-d5	77.2	17-130		%REC	1	6/8/2007 12:31:00 PM
Surr: p-Terphenyl-d14	95.8	39.6-131		%REC	1	6/8/2007 12:31:00 PM
VOLATILE ORGANICS BY GC/MS		SW8260B				Analyst: bda
1,2,4-Trimethylbenzene	239	10.0		µg/L	10	6/6/2007 5:28:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	6/6/2007 6:06:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	6/6/2007 6:06:00 PM
1,3,5-Trimethylbenzene	55.0	1.00		µg/L	1	6/6/2007 6:06:00 PM
Benzene	326	4.00		µg/L	10	6/6/2007 5:28:00 PM
Ethylbenzene	216	10.0		µg/L	10	6/6/2007 5:28:00 PM
Isopropylbenzene	34.4	1.00		µg/L	1	6/6/2007 6:06:00 PM
m,p-Xylene	288	20.0		µg/L	10	6/6/2007 5:28:00 PM
Methyl tert-butyl ether	6.92	1.00		µg/L	1	6/6/2007 6:06:00 PM

Specialty Analytical

Date: 15-Jun-07

CLIENT: Environmental Compliance Northwest, Inc.
Lab Order: 0706031
Project: Powell-Molalla / 05-106
Lab ID: 0706031-04

Client Sample ID: MW-4
Collection Date: 6/5/2007 5:20:00 PM

Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		SW8260B				Analyst: bda
n-Propylbenzene	66.2	1.00		µg/L	1	6/6/2007 6:06:00 PM
Naphthalene	55.6	1.00		µg/L	1	6/6/2007 6:06:00 PM
o-Xylene	48.2	1.00		µg/L	1	6/6/2007 6:06:00 PM
Toluene	5.97	1.00		µg/L	1	6/6/2007 6:06:00 PM
Surr: 1,2-Dichloroethane-d4	90.7	72.2-129		%REC	1	6/6/2007 6:06:00 PM
Surr: 4-Bromofluorobenzene	101	73.5-125		%REC	1	6/6/2007 6:06:00 PM
Surr: Dibromofluoromethane	93.7	58.8-148		%REC	1	6/6/2007 6:06:00 PM
Surr: Toluene-d8	97.4	79.8-137		%REC	1	6/6/2007 6:06:00 PM

Specialty Analytical

Date: 15-Jun-07

CLIENT: Environmental Compliance Northwest, Inc.
WorkOrder: 0706031
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT**TestCode: 6020_WDISS**

Sample ID	0706043-01CMS	SampType:	MS	TestCode:	6020_WDISS	Units:	ug/L	Prep Date:	6/11/2007	Run ID:	ICPMS_070613C	
Client ID:	ZZZZZ	Batch ID:	18742	TestNo:	SW6020			Analysis Date:	6/13/2007	SeqNo:	473294	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		53.24	0.10	50	1.197	104	70	130	0	0		

Sample ID	0706043-01CMSD	SampType:	MSD	TestCode:	6020_WDISS	Units:	ug/L	Prep Date:	6/11/2007	Run ID:	ICPMS_070613C	
Client ID:	ZZZZZ	Batch ID:	18742	TestNo:	SW6020			Analysis Date:	6/13/2007	SeqNo:	473296	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		53.58	0.10	50	1.197	105	70	130	53.24	0.637	20	

Sample ID	0706043-01CDUP	SampType:	DUP	TestCode:	6020_WDISS	Units:	ug/L	Prep Date:	6/11/2007	Run ID:	ICPMS_070613C	
Client ID:	ZZZZZ	Batch ID:	18742	TestNo:	SW6020			Analysis Date:	6/13/2007	SeqNo:	473293	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		1.203	0.10	0	0	0	0	0	1.197	0.500	20	

Sample ID	CCV	SampType:	CCV	TestCode:	6020_WDISS	Units:	ug/L	Prep Date:		Run ID:	ICPMS_070613C	
Client ID:	ZZZZZ	Batch ID:	18742	TestNo:	SW6020			Analysis Date:	6/13/2007	SeqNo:	473290	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		50.56	0.10	50	0	101	90	110	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	6020_WDISS	Units:	ug/L	Prep Date:		Run ID:	ICPMS_070613C	
Client ID:	ZZZZZ	Batch ID:	18742	TestNo:	SW6020			Analysis Date:	6/13/2007	SeqNo:	473295	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		51.25	0.10	50	0	103	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

Page 1 of 18

CLIENT: Environmental Compliance Northwest, Inc.

Work Order: 0706031

Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_WDISS

Sample ID	CCV	SampType:	CCV	TestCode:	6020_WDISS	Units:	ug/L	Prep Date:		Run ID:	ICPMS_070613C		
Client ID:	ZZZZZ	Batch ID:	18742	TestNo:	SW6020			AnalysisDate:	6/13/2007	SeqNo:	473300		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		52.61		0.10	50	0	105	90	110	0	0		

Sample ID	ICB-18742	SampType:	ICB	TestCode:	6020_WDISS	Units:	ug/L	Prep Date:	6/11/2007	Run ID:	ICPMS_070613C		
Client ID:	ZZZZZ	Batch ID:	18742	TestNo:	SW6020			AnalysisDate:	6/13/2007	SeqNo:	473291		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		ND		0.10	0	0	0	0	0	0	0		

Sample ID	ICV	SampType:	ICV	TestCode:	6020_WDISS	Units:	ug/L	Prep Date:		Run ID:	ICPMS_070613C		
Client ID:	ZZZZZ	Batch ID:	18742	TestNo:	SW6020			AnalysisDate:	6/13/2007	SeqNo:	473289		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		49.82		0.10	50	0	99.6	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.

WorkOrder: 0706031

Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID	MB-18703	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	6/6/2007	Run ID:	5973J_070606B
Client ID:	ZZZZZ	Batch ID:	18703	TestNo:	SW8260B			Analysis Date:	6/6/2007	SeqNo:	471304
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1.00									
1,1,1-Trichloroethane	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									
1,1-Dichloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
1,1-Dichloropropene	0.14	1.00									J
1,2,3-Trichlorobenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	1.00									
1,2,4-Trimethylbenzene	0.35	1.00									J
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2-Dibromoethane	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dichloroethane	ND	1.00									
1,2-Dichloropropane	ND	1.00									
1,3,5-Trimethylbenzene	0.27	1.00									J
1,3-Dichlorobenzene	ND	1.00									
1,3-Dichloropropane	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
2,2-Dichloropropane	ND	1.00									
2-Butanone	ND	10.0									
2-Chlorotoluene	0.25	1.00									J
2-Hexanone	ND	10.0									
4-Chlorotoluene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	50.0									
Acrylonitrile	ND	5.00									
Benzene	ND	0.300									
Bromobenzene	0.17	1.00									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

Page 3 of 18

CLIENT: Environmental Compliance Northwest, Inc.

Work Order: 0706031

Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID	MB-18703	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	6/6/2007	Run ID:	5973J_070606B
Client ID:	ZZZZZ	Batch ID:	18703	TestNo:	SW8260B			Analysis Date:	6/6/2007	SeqNo:	471304
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromochloromethane	ND	1.00									
Bromodichloromethane	ND	1.00									
Bromoform	ND	1.00									
Bromomethane	ND	1.00									
Carbon disulfide	ND	2.00									
Carbontetrachloride	ND	1.00									
Chlorobenzene	0.16	1.00									J
Chloroethane	ND	1.00									
Chloroform	ND	1.00									
Chloromethane	ND	1.00									
cis-1,2-Dichloroethene	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
Dibromochloromethane	ND	1.00									
Dibromomethane	ND	1.00									
Dichlorodifluoromethane	ND	1.00									
Ethylbenzene	0.5	1.00									J
Hexachlorobutadiene	ND	1.00									
Isopropylbenzene	0.15	1.00									J
m,p-Xylene	0.56	2.00									J
Methyl tert-butyl ether	ND	1.00									
Methylene chloride	ND	20.0									
n-Butylbenzene	ND	1.00									
n-Propylbenzene	ND	1.00									
Naphthalene	ND	1.00									
o-Xylene	0.13	1.00									J
sec-Butylbenzene	0.25	1.00									J
Styrene	0.12	1.00									J
tert-Butylbenzene	ND	1.00									
Tetrachloroethene	ND	1.00									
Toluene	0.15	1.00									J
trans-1,2-Dichloroethene	ND	1.00									

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Page 4 of 18

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0706031
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID	MB-18703	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	6/6/2007	Run ID:	5973J_070606B	
Client ID:	ZZZZZ	Batch ID:	18703	TestNo:	SW8260B			Analysis Date:	6/6/2007	SeqNo:	471304	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene		ND	1.00									
Trichloroethene		ND	1.00									
Trichlorofluoromethane		ND	1.00									
Vinyl chloride		ND	1.00									
Surr:1,2-Dichloroethane-d4		91.87	0	100	0	91.9	72.2	129	0	0		
Surr:4-Bromofluorobenzene		97.93	0	100	0	97.9	73.5	125	0	0		
Surr:Dibromofluoromethane		97.87	0	100	0	97.9	58.8	148	0	0		
Surr:Toluene-d8		99.02	0	100	0	99	79.8	137	0	0		

Sample ID	MB-18736	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	6/8/2007	Run ID:	5973J_070608A	
Client ID:	ZZZZZ	Batch ID:	18736	TestNo:	SW8260B			Analysis Date:	6/8/2007	SeqNo:	472228	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	1.00									
1,1,1-Trichloroethane		ND	1.00									
1,1,2,2-Tetrachloroethane		ND	1.00									
1,1,2-Trichloroethane		ND	1.00									
1,1-Dichloroethane		ND	1.00									
1,1-Dichloroethene		ND	1.00									
1,1-Dichloropropene		0.16	1.00									J
1,2,3-Trichlorobenzene		ND	1.00									
1,2,3-Trichloropropane		ND	1.00									
1,2,4-Trichlorobenzene		ND	1.00									
1,2,4-Trimethylbenzene		0.52	1.00									J
1,2-Dibromo-3-chloropropane		ND	1.00									
1,2-Dibromoethane		ND	1.00									
1,2-Dichlorobenzene		ND	1.00									
1,2-Dichloroethane		ND	1.00									
1,2-Dichloropropane		ND	1.00									
1,3,5-Trimethylbenzene		0.34	1.00									J
1,3-Dichlorobenzene		ND	1.00									

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

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

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.

Work Order: 0706031

Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID	MB-18736	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	6/8/2007	Run ID:	5973J_070608A	
Client ID:	ZZZZZ	Batch ID:	18736	TestNo:	SW8260B			AnalysisDate:	6/8/2007	SeqNo:	472228	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane		ND	1.00									
1,4-Dichlorobenzene		ND	1.00									
2,2-Dichloropropane		ND	1.00									
2-Butanone		ND	10.0									
2-Chlorotoluene		0.29	1.00									J
2-Hexanone		ND	10.0									
4-Chlorotoluene		ND	1.00									
4-Isopropyltoluene		ND	1.00									
4-Methyl-2-pentanone		ND	20.0									
Acetone		ND	50.0									
Acrylonitrile		ND	5.00									
Benzene		ND	0.300									
Bromobenzene		0.22	1.00									J
Bromochloromethane		ND	1.00									
Bromodichloromethane		ND	1.00									
Bromoform		ND	1.00									
Bromomethane		ND	1.00									
Carbon disulfide		ND	2.00									
Carbontetrachloride		ND	1.00									
Chlorobenzene		0.19	1.00									J
Chloroethane		ND	1.00									
Chloroform		ND	1.00									
Chloromethane		ND	1.00									
cis-1,2-Dichloroethene		ND	1.00									
cis-1,3-Dichloropropene		ND	1.00									
Dibromochloromethane		ND	1.00									
Dibromomethane		ND	1.00									
Dichlorodifluoromethane		ND	1.00									
Ethylbenzene		0.36	1.00									J
Hexachlorobutadiene		ND	1.00									
Isopropylbenzene		0.19	1.00									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

Page 6 of 18

CLIENT: Environmental Compliance Northwest, Inc.

Work Order: 0706031

Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID	MB-18736	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	6/8/2007	Run ID:	5973J_070608A
Client ID:	ZZZZZ	Batch ID:	18736	TestNo:	SW8260B			Analysis Date:	6/8/2007	SeqNo:	472228
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	0.66	2.00									J
Methyl tert-butyl ether	ND	1.00									
Methylene chloride	ND	20.0									
n-Butylbenzene	ND	1.00									
n-Propylbenzene	ND	1.00									
Naphthalene	ND	1.00									
o-Xylene	0.16	1.00									J
sec-Butylbenzene	0.32	1.00									J
Styrene	0.17	1.00									J
tert-Butylbenzene	0.17	1.00									J
Tetrachloroethene	ND	1.00									
Toluene	0.16	1.00									J
trans-1,2-Dichloroethene	ND	1.00									
trans-1,3-Dichloropropene	ND	1.00									
Trichloroethene	ND	1.00									
Trichlorofluoromethane	ND	1.00									
Vinyl chloride	ND	1.00									
Surr:1,2-Dichloroethane-d4	93.57	0	100	0	93.6	72.2	129	0	0		
Surr:4-Bromofluorobenzene	93.81	0	100	0	93.8	73.5	125	0	0		
Surr:Dibromofluoromethane	94.53	0	100	0	94.5	58.8	148	0	0		
Surr:Toluene-d8	95.64	0	100	0	95.6	79.8	137	0	0		

Sample ID	LCS-18703	SampType:	LCS	TestCode:	8260_W	Units:	µg/L	Prep Date:	6/6/2007	Run ID:	5973J_070606B
Client ID:	ZZZZZ	Batch ID:	18703	TestNo:	SW8260B			Analysis Date:	6/6/2007	SeqNo:	471303
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	38.46	1.00	40	0	96.2	69.9	130	0	0		
Benzene	38.77	0.300	40	0	96.9	77.9	125	0	0		
Chlorobenzene	36.64	1.00	40	0.16	91.2	82.5	114	0	0		
Toluene	39.19	1.00	40	0.15	97.6	74.6	119	0	0		
Trichloroethene	39.35	1.00	40	0	98.4	74.7	125	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: 0706031
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID	LCS-18736	SampType:	LCS	TestCode:	8260_W	Units:	µg/L	Prep Date:	6/8/2007	Run ID:	5973J_070608A
Client ID:	ZZZZZ	Batch ID:	18736	TestNo:	SW8260B			Analysis Date:	6/8/2007	SeqNo:	472227
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	33.33	1.00	40	0	83.3	69.9	130	0	0		
Benzene	34.58	0.300	40	0	86.5	77.9	125	0	0		
Chlorobenzene	35.12	1.00	40	0.19	87.3	82.5	114	0	0		
Toluene	35.78	1.00	40	0.16	89	74.6	119	0	0		
Trichloroethene	35.4	1.00	40	0	88.5	74.7	125	0	0		

Sample ID	A0706002-02FMS	SampType:	MS	TestCode:	8260_W	Units:	µg/L	Prep Date:	6/6/2007	Run ID:	5973J_070606B
Client ID:	ZZZZZ	Batch ID:	18703	TestNo:	SW8260B			Analysis Date:	6/6/2007	SeqNo:	471306
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	40.81	1.00	40	0	102	51.4	176	0	0		
Benzene	37.51	0.300	40	0	93.8	71.5	118	0	0		
Chlorobenzene	36.42	1.00	40	0	91	79.8	114	0	0		
Toluene	37.3	1.00	40	0.2	92.8	79.6	121	0	0		
Trichloroethene	39.03	1.00	40	0	97.6	73.6	120	0	0		

Sample ID	0706058-03AMS	SampType:	MS	TestCode:	8260_W	Units:	µg/L	Prep Date:	6/8/2007	Run ID:	5973J_070608A
Client ID:	ZZZZZ	Batch ID:	18736	TestNo:	SW8260B			Analysis Date:	6/8/2007	SeqNo:	472233
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	37.1	1.00	40	0	92.8	51.4	176	0	0		
Benzene	34.89	0.300	40	0	87.2	71.5	118	0	0		
Chlorobenzene	34.09	1.00	40	0	85.2	79.8	114	0	0		
Toluene	35.22	1.00	40	0.11	87.8	79.6	121	0	0		
Trichloroethene	35.75	1.00	40	0	89.4	73.6	120	0	0		

Sample ID	A0706002-02FMSD	SampType:	MSD	TestCode:	8260_W	Units:	µg/L	Prep Date:	6/6/2007	Run ID:	5973J_070606B
Client ID:	ZZZZZ	Batch ID:	18703	TestNo:	SW8260B			Analysis Date:	6/6/2007	SeqNo:	471307
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	34.55	1.00	40	0	86.4	51.4	176	40.81	16.6	20	

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 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0706031
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID	A0706002-02FMSD	SampType:	MSD	TestCode:	8260_W	Units:	µg/L	Prep Date:	6/6/2007	Run ID:	5973J_070606B
Client ID:	ZZZZZ	Batch ID:	18703	TestNo:	SW8260B			Analysis Date:	6/6/2007	SeqNo:	471307
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	34.02	0.300	40	0	85	71.5	118	37.51	9.76	20	
Chlorobenzene	33.54	1.00	40	0	83.8	79.8	114	36.42	8.23	20	
Toluene	33.67	1.00	40	0.2	83.7	79.6	121	37.3	10.2	20	
Trichloroethene	34.35	1.00	40	0	85.9	73.6	120	39.03	12.8	20	

Sample ID	0706058-03AMSD	SampType:	MSD	TestCode:	8260_W	Units:	µg/L	Prep Date:	6/8/2007	Run ID:	5973J_070608A
Client ID:	ZZZZZ	Batch ID:	18736	TestNo:	SW8260B			Analysis Date:	6/8/2007	SeqNo:	472234
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	32.67	1.00	40	0	81.7	51.4	176	37.1	12.7	20	
Benzene	32.23	0.300	40	0	80.6	71.5	118	34.89	7.93	20	
Chlorobenzene	31.42	1.00	40	0	78.6	79.8	114	34.09	8.15	20	S
Toluene	32.43	1.00	40	0.11	80.8	79.6	121	35.22	8.25	20	
Trichloroethene	32.25	1.00	40	0	80.6	73.6	120	35.75	10.3	20	

Sample ID	CCV-18703	SampType:	CCV	TestCode:	8260_W	Units:	µg/L	Prep Date:		Run ID:	5973J_070606B
Client ID:	ZZZZZ	Batch ID:	18703	TestNo:	SW8260B			Analysis Date:	6/6/2007	SeqNo:	471302
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	39.54	1.00	40	0	98.8	80	120	0	0		
1,2-Dichloropropane	40.91	1.00	40	0	102	80	120	0	0		
Chloroform	41.48	1.00	40	0	104	80	120	0	0		
Ethylbenzene	38.56	1.00	40	0	96.4	80	120	0	0		
Toluene	37.95	1.00	40	0	94.9	80	120	0	0		
Vinyl chloride	47.85	1.00	40	0	120	80	120	0	0		

Sample ID	CCV-18703	SampType:	CCV	TestCode:	8260_W	Units:	µg/L	Prep Date:		Run ID:	5973J_070606B
Client ID:	ZZZZZ	Batch ID:	18703	TestNo:	SW8260B			Analysis Date:	6/7/2007	SeqNo:	471846
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	35.39	1.00	40	0	88.5	80	120	0	0		

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B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0706031
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID	CCV-18703	SampType:	CCV	TestCode:	8260_W	Units:	µg/L	Prep Date:		Run ID:	5973J_070606B
Client ID:	ZZZZZ	Batch ID:	18703	TestNo:	SW8260B			Analysis Date:	6/7/2007	SeqNo:	471846
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	34.42	1.00	40	0	86	80	120	0	0		
Chloroform	34.71	1.00	40	0	86.8	80	120	0	0		
Ethylbenzene	32.91	1.00	40	0	82.3	80	120	0	0		
Toluene	33.15	1.00	40	0	82.9	80	120	0	0		
Vinyl chloride	34.47	1.00	40	0	86.2	80	120	0	0		

Sample ID	CCV-18736	SampType:	CCV	TestCode:	8260_W	Units:	µg/L	Prep Date:		Run ID:	5973J_070608A
Client ID:	ZZZZZ	Batch ID:	18736	TestNo:	SW8260B			Analysis Date:	6/8/2007	SeqNo:	472226
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	35.66	1.00	40	0	89.2	80	120	0	0		
1,2-Dichloropropane	37.39	1.00	40	0	93.5	80	120	0	0		
Chloroform	36.53	1.00	40	0	91.3	80	120	0	0		
Ethylbenzene	33.51	1.00	40	0	83.8	80	120	0	0		
Toluene	34.16	1.00	40	0	85.4	80	120	0	0		
Vinyl chloride	36.09	1.00	40	0	90.2	80	120	0	0		

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

CLIENT: Environmental Compliance Northwest, Inc.

Work Order: 0706031

Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEXRBC_W

Sample ID	MBLK	SampType:	MBLK	TestCode:	BTEXRBC_W	Units:	µg/L	Prep Date:	6/6/2007	Run ID:	GC-H_070606A	
Client ID:	ZZZZZ	Batch ID:	18719	TestNo:	SW8021B			Analysis Date:	6/6/2007	SeqNo:	471572	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		ND	0.300									
Toluene		ND	0.500									
Ethylbenzene		0.19	0.500									J
Xylenes, Total		0.76	1.50									J
Surr:4-Bromofluorobenzene		111	1.00	100	0	111	74.8	126	0	0		

Sample ID	LCS	SampType:	LCS	TestCode:	BTEXRBC_W	Units:	µg/L	Prep Date:	6/6/2007	Run ID:	GC-H_070606A	
Client ID:	ZZZZZ	Batch ID:	18719	TestNo:	SW8021B			Analysis Date:	6/6/2007	SeqNo:	471573	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		27.14	0.300	25	0	109	75.8	113	0	0		
Toluene		26.76	0.500	25	0	107	77	116	0	0		
Ethylbenzene		26.7	0.500	25	0.19	106	76.6	118	0	0		
Xylenes, Total		81.36	1.50	75	0.76	107	76.7	118	0	0		

Sample ID	0706031-03BMS	SampType:	MS	TestCode:	BTEXRBC_W	Units:	µg/L	Prep Date:	6/6/2007	Run ID:	GC-H_070606A	
Client ID:	MW-3	Batch ID:	18719	TestNo:	SW8021B			Analysis Date:	6/6/2007	SeqNo:	471582	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		25.65	0.300	25	0	0	67.8	118	0	0		
Toluene		27.36	0.500	25	0	0	74.7	117	0	0		
Ethylbenzene		30.17	0.500	25	0	0	74.5	115	0	0		
Xylenes, Total		82.98	1.50	75	0	0	76.8	120	0	0		

Sample ID	0706031-03BMSD	SampType:	MSD	TestCode:	BTEXRBC_W	Units:	µg/L	Prep Date:	6/6/2007	Run ID:	GC-H_070606A	
Client ID:	MW-3	Batch ID:	18719	TestNo:	SW8021B			Analysis Date:	6/6/2007	SeqNo:	471583	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		25.12	0.300	25	0	0	67.8	118	25.65	2.09	20	
Toluene		26.08	0.500	25	0	0	74.7	117	27.36	4.79	20	
Ethylbenzene		29.75	0.500	25	0	0	74.5	115	30.17	1.40	20	

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

CLIENT: Environmental Compliance Northwest, Inc.
WorkOrder: 0706031
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEXRBC_W

Sample ID	0706031-03BMSD	SampType:	MSD	TestCode:	BTEXRBC_W	Units:	µg/L	Prep Date:	6/6/2007	Run ID:	GC-H_070606A			
Client ID:	MW-3	Batch ID:	18719	TestNo:	SW8021B			Analysis Date:	6/6/2007	SeqNo:	471583			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total		81.96		1.50	75	0		0	76.8	120	82.98	1.24	20	

Sample ID	CCV	SampType: CCV	TestCode: BTEXRBC_W Units: µg/L				Prep Date:			Run ID: GC-H_070606A		
Client ID:	ZZZZZ	Batch ID: 18719	TestNo: SW8021B				AnalysisDate: 6/6/2007			SeqNo: 471574		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		49.9	0.300	50	0	99.8	85	115	0	0		
Toluene		51.19	0.500	50	0	102	85	115	0	0		
Ethylbenzene		52.05	0.500	50	0	104	85	115	0	0		
Xylenes, Total		158.1	1.50	150	0	105	85	115	0	0		

Sample ID	CCV	SampType: CCV	TestCode: BTEXRBC_W	Units: µg/L	Prep Date:	Run ID: GC-H_070606A					
Client ID: ZZZZZ	Batch ID: 18719	TestNo: SW8021B	AnalysisDate: 6/7/2007	SeqNo: 471584							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	52.19	0.300	50	0	104	85	115	0	0		
Toluene	53.65	0.500	50	0	107	85	115	0	0		
Ethylbenzene	54.54	0.500	50	0	109	85	115	0	0		
Xylenes, Total	165.4	1.50	150	0	110	85	115	0	0		

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

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0706031
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDX_W

Sample ID	MBLK	SampType:	MBLK	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:	6/6/2007	Run ID:	GC-M_070607B	
Client ID:	ZZZZZ	Batch ID:	18712	TestNo:	NWTPH-Dx			Analysis Date:	6/7/2007	SeqNo:	471966	
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		0.327	0	0.5	0	65.4	50	150	0	0		

Sample ID	LCS	SampType:	LCS	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:	6/6/2007	Run ID:	GC-M_070607B	
Client ID:	ZZZZZ	Batch ID:	18712	TestNo:	NWTPH-Dx			Analysis Date:	6/7/2007	SeqNo:	471967	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		2.167	0.250	2.505	0	86.5	60.7	121	0	0		
Lube Oil		1.78	0.500	2.505	0	71.1	64	126	0	0		

Sample ID	LCSD	SampType:	LCSD	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:	6/6/2007	Run ID:	GC-M_070607B	
Client ID:	ZZZZZ	Batch ID:	18712	TestNo:	NWTPH-Dx			Analysis Date:	6/7/2007	SeqNo:	471968	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		2.376	0.250	2.505	0	94.8	60.7	121	2.167	9.22	20	
Lube Oil		2.029	0.500	2.505	0	81	64	126	1.78	13.1	20	

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:		Run ID:	GC-M_070607B	
Client ID:	ZZZZZ	Batch ID:	18712	TestNo:	NWTPH-Dx			Analysis Date:	6/7/2007	SeqNo:	471969	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		18.5	0.250	20.04	0	92.3	85	115	0	0		
Lube Oil		10.41	0.500	9.955	0	105	85	115	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:		Run ID:	GC-M_070607B	
Client ID:	ZZZZZ	Batch ID:	18712	TestNo:	NWTPH-Dx			Analysis Date:	6/7/2007	SeqNo:	471974	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel		14.09	0.250	15.03	0	93.8	85	115	0	0		

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

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0706031
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDX_W

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:		Run ID:	GC-M_070607B		
Client ID:	ZZZZZ	Batch ID:	18712	TestNo:	NWTPH-Dx			Analysis Date:	6/7/2007	SeqNo:	471974		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lube Oil		7.496	0.500	7.465	0	100	85	115	0	0			
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Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:		Run ID:	GC-M_070607B		
Client ID:	ZZZZZ	Batch ID:	18712	TestNo:	NWTPH-Dx			Analysis Date:	6/8/2007	SeqNo:	471975		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Kerosene		20.78	0.250	20	0	104	85	115	0	0			
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Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:		Run ID:	GC-M_070607B			
Client ID:	ZZZZZ	Batch ID:	18712	TestNo:	NWTPH-Dx			Analysis Date:	6/8/2007	SeqNo:	471980			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Kerosene		20.75	0.250	20	0	104	85	115	0	0			
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Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:		Run ID:	GC-M_070607B		
Client ID:	ZZZZZ	Batch ID:	18712	TestNo:	NWTPH-Dx			Analysis Date:	6/14/2007	SeqNo:	473715		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel		14.65	0.250	15	0	97.6	85	115	0	0			
Lube Oil		7.995	0.500	7.5	0	107	85	115	0	0			

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:		Run ID:	GC-M_070607B		
Client ID:	ZZZZZ	Batch ID:	18712	TestNo:	NWTPH-Dx			Analysis Date:	6/14/2007	SeqNo:	473719		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel		14.86	0.250	15.03	0	98.9	85	115	0	0			
Lube Oil		7.624	0.500	7.465	0	102	85	115	0	0			

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

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
WorkOrder: 0706031
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_W

Sample ID	MBLK	SampType:	MBLK	TestCode:	NWTPHGX_	Units:	µg/L	Prep Date:	6/6/2007	Run ID:	GC-H_070606B	
Client ID:	ZZZZZ	Batch ID:	18720	TestNo:	NWTPH-Gx			Analysis Date:	6/6/2007	SeqNo:	471588	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		57.86	100									J
Surr:4-Bromofluorobenzene		98.5	0	100	0	98.5	50	150	0	0		

Sample ID	LCS	SampType:	LCS	TestCode:	NWTPHGX_	Units:	µg/L	Prep Date:	6/6/2007	Run ID:	GC-H_070606B	
Client ID:	ZZZZZ	Batch ID:	18720	TestNo:	NWTPH-Gx			Analysis Date:	6/6/2007	SeqNo:	471589	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		1657	100	2000	57.86	80	74.4	128	0	0		

Sample ID	0706039-01BDUP	SampType:	DUP	TestCode:	NWTPHGX_	Units:	µg/L	Prep Date:	6/6/2007	Run ID:	GC-H_070606B	
Client ID:	ZZZZZ	Batch ID:	18720	TestNo:	NWTPH-Gx			Analysis Date:	6/6/2007	SeqNo:	471595	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		40.56	100	0	0	0	0	0	0	0	20	J

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_	Units:	µg/L	Prep Date:		Run ID:	GC-H_070606B	
Client ID:	ZZZZZ	Batch ID:	18720	TestNo:	NWTPH-Gx			Analysis Date:	6/6/2007	SeqNo:	471590	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		2591	100	2800	0	92.6	80	120	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_	Units:	µg/L	Prep Date:		Run ID:	GC-H_070606B	
Client ID:	ZZZZZ	Batch ID:	18720	TestNo:	NWTPH-Gx			Analysis Date:	6/6/2007	SeqNo:	471599	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		2748	100	3000	0	91.6	80	120	0	0		

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CLIENT: Environmental Compliance Northwest, Inc.
WorkOrder: 0706031
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_W

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_	Units:	µg/L	Prep Date:		Run ID:	GC-H_070606B			
Client ID:	ZZZZZ	Batch ID:	18720	TestNo:	NWTPH-Gx			Analysis Date:	6/7/2007	SeqNo:	471600			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		2400		100	2500	0		96	80	120	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_	Units:	µg/L	Prep Date:		Run ID:	GC-H_070606B			
Client ID:	ZZZZZ	Batch ID:	18720	TestNo:	NWTPH-Gx			AnalysisDate:	6/7/2007	SeqNo:	471604			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		2592		100	2800	0		92.6	80	120	0	0		

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CLIENT: Environmental Compliance Northwest, Inc.
WorkOrder: 0706031
Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: PAHLL_W

Sample ID	MB-18713	SampType:	MBLK	TestCode:	PAHLL_W	Units:	µg/L	Prep Date:	6/6/2007	Run ID:	5975Q_070608A
Client ID:	ZZZZZ	Batch ID:	18713	TestNo:	8270SIM			Analysis Date:	6/8/2007	SeqNo:	472059
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0500									
Acenaphthylene	ND	0.0500									
Anthracene	ND	0.0500									
Benz(a)anthracene	0.01	0.0500									J
Benzo(a)pyrene	ND	0.0500									
Benzo(b)fluoranthene	ND	0.0500									
Benzo(g,h,i)perylene	ND	0.0500									
Benzo(k)fluoranthene	ND	0.0500									
Chrysene	ND	0.0500									
Dibenz(a,h)anthracene	ND	0.0500									
Fluoranthene	ND	0.0500									
Fluorene	ND	0.0500									
Indeno(1,2,3-cd)pyrene	ND	0.0500									
Naphthalene	0.02	0.0500									J
Phenanthrene	ND	0.0500									
Pyrene	ND	0.0500									
Surr: 2-Fluorobiphenyl	56.82	1.00	100	0	56.8	18.6	106	0	0		
Surr: Nitrobenzene-d5	86.09	1.00	100	0	86.1	17	130	0	0		
Surr: p-Terphenyl-d14	117.9	1.00	100	0	118	39.6	131	0	0		

Sample ID	LCS-18713	SampType:	LCS	TestCode:	PAHLL_W	Units:	µg/L	Prep Date:	6/6/2007	Run ID:	5975Q_070608A
Client ID:	ZZZZZ	Batch ID:	18713	TestNo:	8270SIM			Analysis Date:	6/8/2007	SeqNo:	472060
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	2.94	0.0500	5	0	58.8	35.1	100	0	0		
Benzo(g,h,i)perylene	3.21	0.0500	5	0	64.2	20.8	120	0	0		
Chrysene	3.57	0.0500	5	0	71.4	39.1	119	0	0		
Naphthalene	2.65	0.0500	5	0.02	52.6	25.6	106	0	0		
Phenanthrene	3.19	0.0500	5	0	63.8	38.1	106	0	0		
Pyrene	3.69	0.0500	5	0	73.8	41.3	118	0	0		

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CLIENT: Environmental Compliance Northwest, Inc.

Work Order: 0706031

Project: Powell-Molalla/05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: PAHLL_W

Sample ID	LCSD-18713	SampType: LCSD	TestCode: PAHLL_W	Units: µg/L	Prep Date: 6/6/2007				Run ID: 5975Q_070608A		
Client ID:	ZZZZZ	Batch ID: 18713	TestNo: 8270SIM		Analysis Date: 6/8/2007				SeqNo: 472061		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	2.57	0.0500	5	0	51.4	35.1	100	2.94	13.4	20	
Benzo(g,h,i)perylene	3.01	0.0500	5	0	60.2	20.8	120	3.21	6.43	20	
Chrysene	3.24	0.0500	5	0	64.8	39.1	119	3.57	9.69	20	
Naphthalene	2.37	0.0500	5	0.02	47	25.6	106	2.65	11.2	20	
Phenanthrene	2.89	0.0500	5	0	57.8	38.1	106	3.19	9.87	20	
Pyrene	3.42	0.0500	5	0	68.4	41.3	118	3.69	7.59	20	

Sample ID	CCV-18713	SampType: CCV	TestCode: PAHLL_W	Units: µg/L	Prep Date:				Run ID: 5975Q_070608A		
Client ID:	ZZZZZ	Batch ID: 18713	TestNo: 8270SIM		Analysis Date: 6/8/2007				SeqNo: 472058		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	1.96	0.0500	2	0	98	70	130	0	0		
Acenaphthylene	1.94	0.0500	2	0	97	70	130	0	0		
Anthracene	1.83	0.0500	2	0	91.5	70	130	0	0		
Benz(a)anthracene	1.86	0.0500	2	0	93	70	130	0	0		
Benzo(a)pyrene	1.76	0.0500	2	0	88	70	130	0	0		
Benzo(b)fluoranthene	1.46	0.0500	2	0	73	70	130	0	0		
Benzo(g,h,i)perylene	1.65	0.0500	2	0	82.5	70	130	0	0		
Benzo(k)fluoranthene	1.72	0.0500	2	0	86	70	130	0	0		
Chrysene	1.78	0.0500	2	0	89	70	130	0	0		
Dibenz(a,h)anthracene	1.61	0.0500	2	0	80.5	70	130	0	0		
Fluoranthene	1.78	0.0500	2	0	89	70	130	0	0		
Fluorene	1.94	0.0500	2	0	97	70	130	0	0		
Indeno(1,2,3-cd)pyrene	1.62	0.0500	2	0	81	70	130	0	0		
Naphthalene	1.8	0.0500	2	0	90	70	130	0	0		
Phenanthrene	1.74	0.0500	2	0	87	70	130	0	0		
Pyrene	2.03	0.0500	2	0	102	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit

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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.

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