

**FIRST QUARTER 2008
GROUNDWATER MONITORING REPORT**

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

ECN PROJECT No. 05-106

ECN

December 1, 2010





ENVIRONMENTAL COMPLIANCE NORTHWEST

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December 1, 2010
ECN Project No. 05-106

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

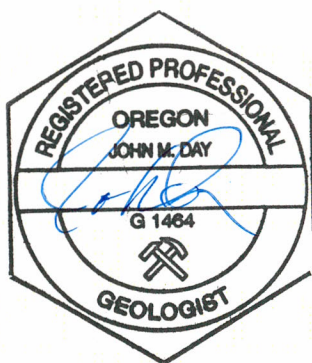
**SUBJECT: First Quarter 2008
Groundwater Monitoring Report
Former Molalla Kwik Gas
305 West Main Street
Molalla, Oregon
DEQ LUST File No.: 03-05-461**

Dear Mr. Powell:

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

Sincerely,

ENVIRONMENTAL COMPLIANCE NORTHWEST, INC.



John M. Day, RG
Principal Geologist
President

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- A. Laboratory Report and Chain of Custody

1.0 INTRODUCTION

This report describes results of the first quarter 2008 groundwater monitoring and sampling activities conducted at the former Kwik Gas service station located at 305 West Main Street in Molalla, Oregon (Figure 1).

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 three gasoline USTs and one diesel UST, 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).

A total of four monitoring wells (MW-1 through MW-4) were installed and two soil borings (B-101 and B-102) were completed in May 2007. The locations of the monitoring wells are shown on Figures 2 and 3. Borings B-101 and B-102 were drilled north and east of the existing building, respectively, to further define soil and groundwater impacts. Laboratory results indicated that the highest petroleum hydrocarbons were detected in the samples collected from MW-4, located adjacent to the former underground product piping. Lower petroleum hydrocarbon concentrations were detected in the other three monitoring wells, as well as in boring B-102.

4.0 FIELD ACTIVITIES

Field procedures for the first quarter 2008 groundwater monitoring and sampling were performed in accordance with DEQ guidelines. On March 30, 2008, depth to groundwater was measured and groundwater samples were collected monitoring wells MW-1 through MW-4. Prior to purging and sampling, the depth to water in the wells was measured from a permanent mark on top the well casing to the nearest 0.01-foot using an electronic water level indicator. The depth to water and top of casing elevation data were used to calculate the groundwater elevation in each well in reference to mean sea level (MSL). The survey data and historic groundwater elevation measurements collected through the first quarter 2008 monitoring event are presented in Table 1.

Prior to sample collection, monitoring wells were purged of at least three casing volumes. Groundwater samples were collected for laboratory analysis by lowering a bottom-fill, disposable bailer to just below the water level in the well. The collected water sample was then transferred from the bailer into laboratory-supplied containers.

5.0 ANALYTICAL TEST METHODS

Each groundwater sample collected during the first quarter 2008 monitoring event was analyzed for DEQ risk-based decision making (RBDM) volatile organic compounds (VOCs) by EPA Method 8260B. The RBDM VOCs include: benzene, toluene, ethylbenzene, and total xylenes (BTEX); 1,2,4-trimethylbenzene (1,2,4-TMB); ethylene dibromide (EDB); ethylene dichloride (EDC); 1,3,5-trimethylbenzene (1,3,5-TMB); isopropylbenzene (IPB) methyl-tertiary butyl ether (MTBE); n-propylbenzene (NPB); and naphthalene. Each sample was also analyzed for diesel-range hydrocarbons (diesel) and lube oil-range petroleum hydrocarbons (lube oil) by Northwest Method NWTPH-Dx, and gasoline-range hydrocarbons by Northwest Method NWTPH-Gx. Select groundwater samples were analyzed for dissolved lead by EPA Method 6010 and polynuclear aromatic hydrocarbons (PAHs) by DEQ Method 8270SIM.

6.0 FINDINGS

Following are the physical and chemical results for the first quarter 2008 groundwater monitoring and sampling activities at the site. Naphthalene results are reported on both Table 1 and 2. The differing results shown in groundwater samples are a result of separate extraction methods. The concentrations from the VOC analyses are reported on the analytical results map (Figure 3).

Physical Results

The depth to water in the monitoring wells, as measured on March 30, 2008, ranged from 3.35 to 8.06 feet below the top of well casings. The groundwater flow direction was interpreted to be to the southwest with an average hydraulic gradient of approximately 0.06 feet per foot. Compared to the second quarter 2007 monitoring data, groundwater elevations in the monitoring wells increased between 2.34 and 6.01 feet.

The groundwater elevation and flow direction data for the first quarter 2008 monitoring event are shown on Figure 2.

Chemical Results

MW-1 and MW-2: Diesel-, lube oil-, and gasoline-range hydrocarbons; and RBDM VOCs were not detected at or above the corresponding laboratory reporting limits.

MW-3: Diesel-range hydrocarbons (269 micrograms per liter [$\mu\text{g/L}$]) and gasoline-range hydrocarbons (589 $\mu\text{g/L}$) were detected.

MW-4: Diesel-range hydrocarbons (2,050 $\mu\text{g/L}$); gasoline-range hydrocarbons (15,900 $\mu\text{g/L}$); benzene (985 $\mu\text{g/L}$); toluene (8.93 $\mu\text{g/L}$); ethylbenzene (397 $\mu\text{g/L}$); total xylenes (343.0 $\mu\text{g/L}$); 1,2,4-TMB (386 $\mu\text{g/L}$); 1,3,5-TMB (43.4 $\mu\text{g/L}$); IPB (92.2 $\mu\text{g/L}$); MTBE (11.3 $\mu\text{g/L}$); NPB (261 $\mu\text{g/L}$); naphthalene (150 $\mu\text{g/L}$); and dissolved lead (2.5 $\mu\text{g/L}$) were detected. The following PAHs were also detected: acenaphthene (0.231 $\mu\text{g/L}$); fluoranthene (0.0868 $\mu\text{g/L}$); fluorine (0.482 $\mu\text{g/L}$); naphthalene (115 $\mu\text{g/L}$); phenanthrene (0.415 $\mu\text{g/L}$); and pyrene (0.0868 $\mu\text{g/L}$).

The groundwater sampling results for the first quarter 2008 monitoring event are shown on Figure 3 and summarized in Tables 1 and 2.

7.0 RISK-BASED EVALUATION OVERVIEW

In 1999, the Oregon DEQ issued the *Risk-Based Decision Making for the Remediation of Petroleum-Contaminated Sites* guidance document (DEQ, 1999). This guidance document listed Risk-Based Concentration (RBC) cleanup levels that are based on current and potential future land and water uses at a site. The RBC cleanup levels are periodically revised, the most recent being September 15, 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 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. The potentially applicable RBCs are shown on Table 1 and 2.

The groundwater sample collected from monitoring well MW-4 during the first quarter 2008 monitoring event exceeded the groundwater in an excavation exposure pathway RBC for gasoline-range hydrocarbons.

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 detailing 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 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. Analytical results from the groundwater samples collected indicated that petroleum hydrocarbons were present in each monitoring well, the highest levels reported were in MW-4

Based on initial and current groundwater elevation direction data, it appears that the generalized shallow water-bearing zone flow direction varies between west-southwest and southwest.

The only petroleum hydrocarbon concentration (gasoline-range) exceeding the potentially complete exposure pathway RBC was detected in MW-4. Based on analytical results, impacts to the shallow water-bearing zone exceeding RBCs appear to be isolated to the immediate vicinity of MW-4.

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.

ECN, 2010. Additional Site Assessment and Monitoring Installation Report, Former Molalla Kwik Gas, 305 West Main Street, Molalla, Oregon, DEQ File No. 03-05-461. October 14.

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
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)	Change in Elevation (Feet)	TPH-Dx [1]		TPH-G [2]	B [3]	T [3]	E [3]	X [3]	1,2,4-TMB [3]	EDB [3]	EDC [3]	1,3,5-TMB [3]	IPB [3]	MTBE [3]	NPB [3]	Naphthalene [3]	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
	3/30/2008	94.77	8.06	86.71	5.76	ND<245	ND<491	ND<100	ND<0.300	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	---	SA
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
	3/30/2008	93.73	3.35	90.38	6.01	ND<248	ND<495	ND<100	ND<0.300	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	---	SA
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
	3/30/2008	93.44	4.31	89.13	2.34	269	ND<485	589	ND<0.300	ND<1.00	ND<1.00	ND<3.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	---	SA
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
	3/30/2008	94.10	4.29	89.81	2.87	2,050	ND<489	15,900	985	8.93	397	343.0	386	ND<1.00	ND<1.00	43.4	92.2	11.3	261	150	2.5	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 2
Groundwater Analytical Results (PAHs)
Former Molalla Kwik Gas
305 West Main Street
Molalla, Oregon
ECN 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																	
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
	3/30/2008	0.231	ND<0.0482	ND<0.0482	ND<0.0482	ND<0.0482	ND<0.0482	ND<0.0482	ND<0.0482	ND<0.0482	ND<0.0482	0.0868	0.482	ND<0.0482	115	0.415	0.0868	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																		

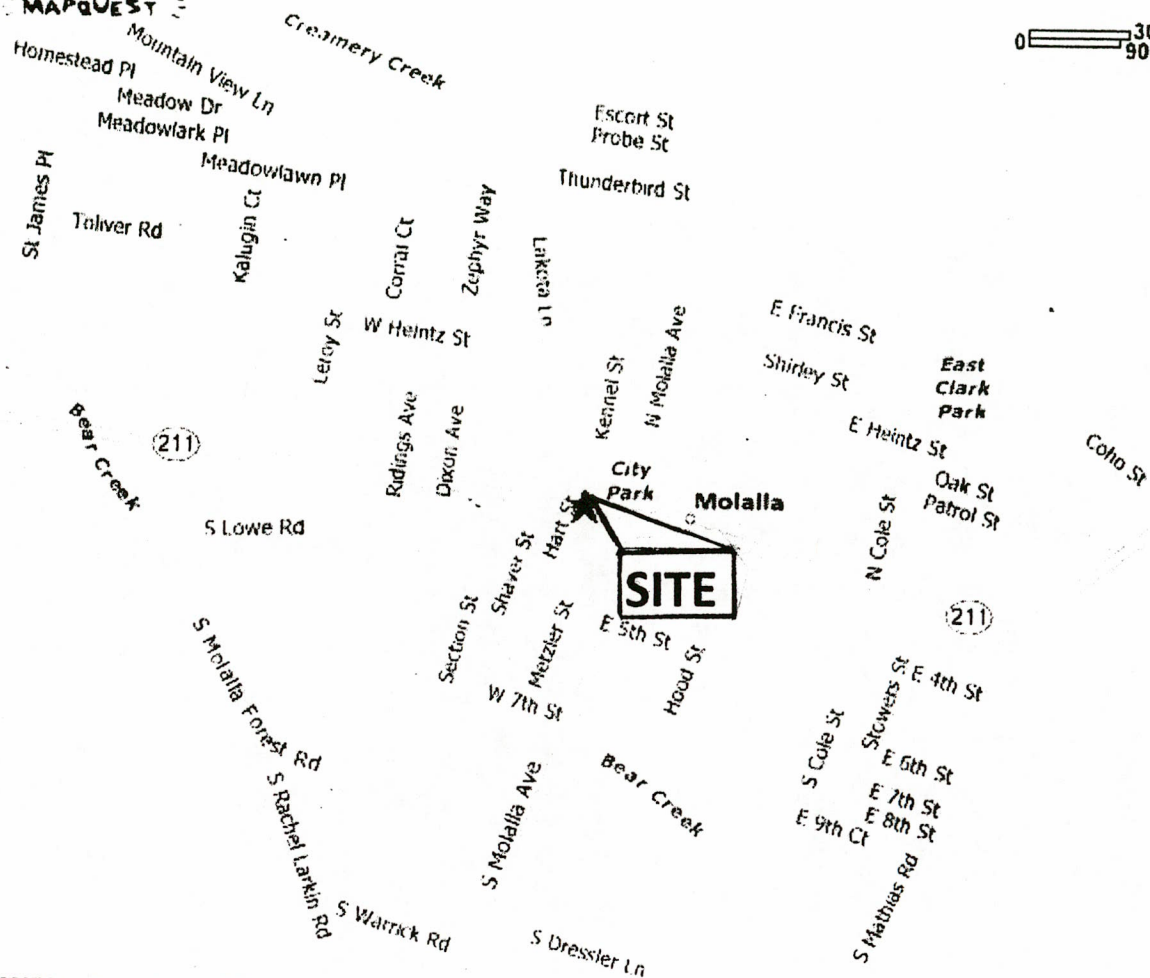
ND not detected at or above the indicated laboratory reporting limit
SA Specialty Analytical
µg/L Micrograms per Liter

[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

MAPQUEST

0 300m
900ft



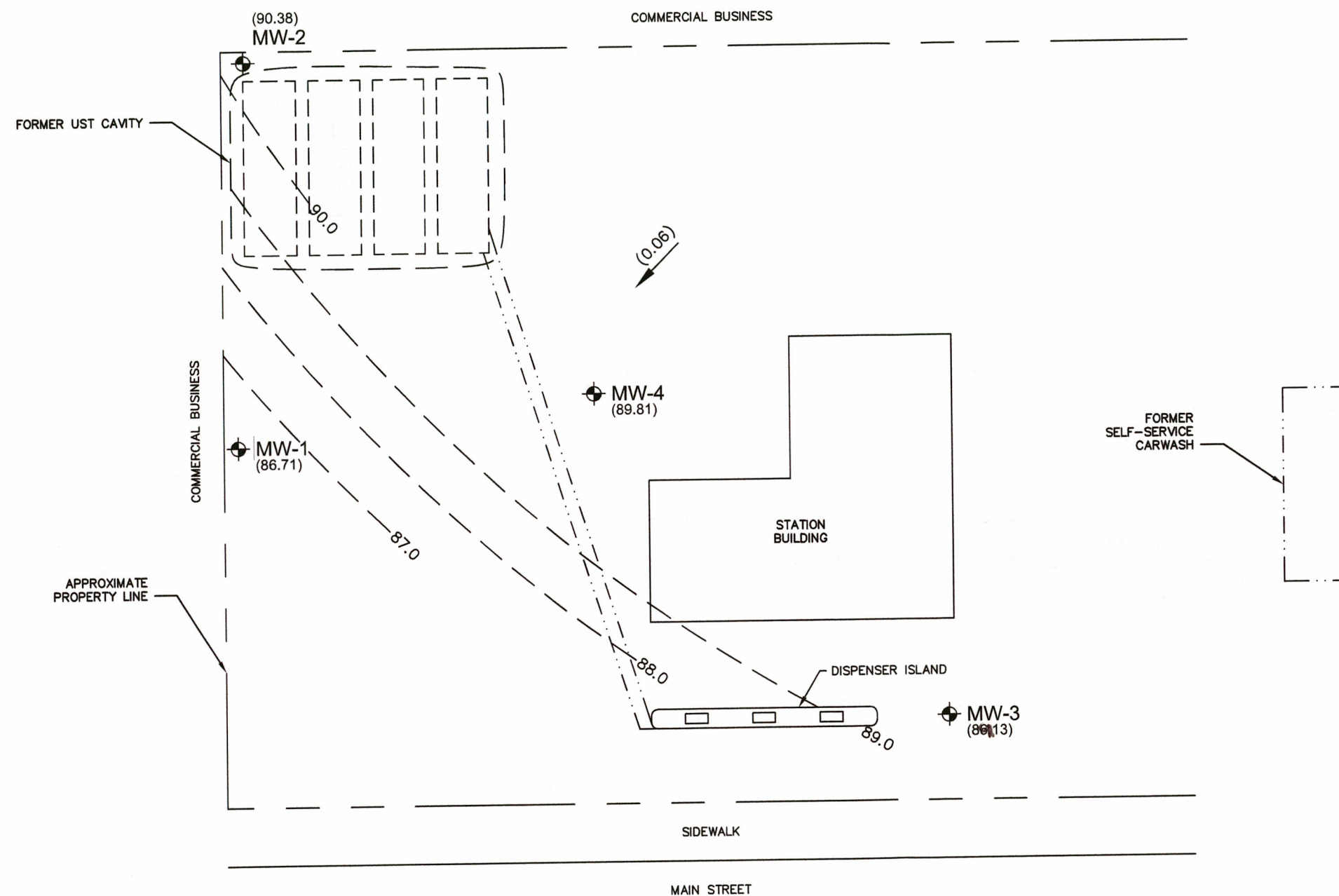
© 2007 MapQuest, Inc. ; © 2007 Tele Atlas

VICINITY MAP

MOLALLA KWIK GAS
305 WEST MAIN STREET
MOLALLA, OREGON

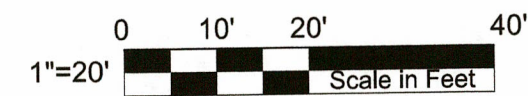
ECNW PROJ. No. 05-106

FIGURE 1



LEGEND

UST	Underground Storage Tank
[]	Former Underground Storage Tank
- - -	Former Underground Product Piping Trench
⊕	Monitoring Well
(89.13)	Groundwater Elevation (Relative to an arbitrary benchmark)
- - - 87.0	Groundwater Elevation Contour
→ (0.06)	Approximate Groundwater Flow Direction and Gradient in Feet per Foot



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

GROUNDWATER CONTOUR MAP
1ST QUARTER 2008

FORMER KWIK GAS
305 WEST MAIN STREET
MOLALLA, OREGON

Project No. 05-106

FIGURE 2

MW-2	
D	= ND
O	= ND
Gx	= ND
B	= ND
T	= ND
E	= ND
X	= ND
1,2,4 TMB	= ND
EDB	= ND
EDC	= ND
1,3,5 TMB	= ND
IPB	= ND
MTBE	= ND
NPB	= ND
NAPH	= ND

FORMER UST CAVITY

MW-4	
D	= 2,050
O	= ND
Gx	= 15,900
B	= 985
T	= 8.93
E	= 397
X	= 343.0
1,2,4 TMB	= 386
EDB	= ND
EDC	= ND
1,3,5 TMB	= 43.4
IPB	= 92.2
MTBE	= 11.3
NPB	= 261
NAPH	= 150
LEAD	= 2.5
PAHs	SEE TABLE

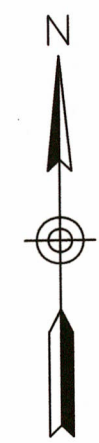
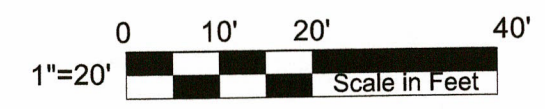
MW-1	
D	= ND
O	= ND
Gx	= ND
B	= ND
T	= ND
E	= ND
X	= ND
1,2,4 TMB	= ND
EDB	= ND
EDC	= ND
1,3,5 TMB	= ND
IPB	= ND
MTBE	= ND
NPB	= ND
NAPH	= ND

MW-3	
D	= 269
O	= ND
Gx	= 589
B	= ND
T	= ND
E	= ND
X	= ND
1,2,4 TMB	= ND
EDB	= ND
EDC	= ND
1,3,5 TMB	= ND
IPB	= ND
MTBE	= ND
NPB	= ND
NAPH	= ND
LEAD	= ND

LEGEND

- UST Underground Storage Tank
- Former Underground Storage Tank
- Former Underground Product Piping Trench
- Monitoring Well
- 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

Results are in micrograms per liter (µg/L)



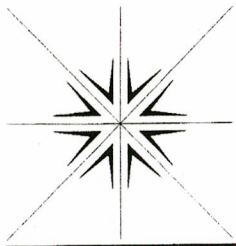
ECN ENVIRONMENTAL COMPLIANCE NORTHWEST, INC.
(503) 372-9760

GROUNDWATER ANALYTICAL RESULTS
1ST QUARTER 2008

FORMER KWIK GAS
305 WEST MAIN STREET
MOLALLA, OREGON

Project No. 05-106 **FIGURE 3**

APPENDIX A



Specialty Analytical

11711 SE Capps Road
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Fax (503) 607-1336

April 10, 2008

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.: 0804010

Specialty Analytical received 4 samples on 4/2/2008 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: 10-Apr-08

CLIENT: Environmental Compliance Northwest, Inc.
Lab Order: 0804010
Project: Powell-Molalla / 05-106
Lab ID: 0804010-01

Client Sample ID: MW-1
Collection Date: 3/30/2008 5:30:00 PM
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						
Diesel	ND	0.245		mg/L	1	Analyst: jrp 4/4/2008
Lube Oil	ND	0.491		mg/L	1	4/4/2008
Surr: o-Terphenyl	59.7	50-150		%REC	1	4/4/2008
NWTPH-GX						
Gasoline	ND	100		µg/L	1	Analyst: jrp 4/3/2008
Surr: 4-Bromofluorobenzene	98.1	50-150		%REC	1	4/3/2008
DISSOLVED METALS BY ICP/MS						
SW6020						
Lead	ND	0.10		ug/L	1	Analyst: zau 4/4/2008
VOLATILE ORGANICS BY GC/MS						
SW8260B						
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	Analyst: bda 4/3/2008 9:09:00 AM
1,2-Dibromoethane	ND	1.00		µg/L	1	4/3/2008 9:09:00 AM
1,2-Dichloroethane	ND	1.00		µg/L	1	4/3/2008 9:09:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	4/3/2008 9:09:00 AM
Benzene	ND	0.300		µg/L	1	4/3/2008 9:09:00 AM
Ethylbenzene	ND	1.00		µg/L	1	4/3/2008 9:09:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	4/3/2008 9:09:00 AM
m,p-Xylene	ND	2.00		µg/L	1	4/3/2008 9:09:00 AM
Methyl tert-butyl ether	ND	1.00		µg/L	1	4/3/2008 9:09:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	4/3/2008 9:09:00 AM
Naphthalene	ND	1.00		µg/L	1	4/3/2008 9:09:00 AM
o-Xylene	ND	1.00		µg/L	1	4/3/2008 9:09:00 AM
Toluene	ND	1.00		µg/L	1	4/3/2008 9:09:00 AM
Surr: 1,2-Dichloroethane-d4	110	72.2-129		%REC	1	4/3/2008 9:09:00 AM
Surr: 4-Bromofluorobenzene	96.7	73.5-125		%REC	1	4/3/2008 9:09:00 AM
Surr: Dibromofluoromethane	110	58.8-148		%REC	1	4/3/2008 9:09:00 AM
Surr: Toluene-d8	98.8	79.8-137		%REC	1	4/3/2008 9:09:00 AM

Specialty Analytical

Date: 10-Apr-08

CLIENT: Environmental Compliance Northwest, Inc.
Lab Order: 0804010
Project: Powell-Molalla / 05-106
Lab ID: 0804010-02

Client Sample ID: MW-2
Collection Date: 3/30/2008 5:10:00 PM

Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX		NWTPH-DX				Analyst: jrp
Diesel	ND	0.248		mg/L	1	4/4/2008
Lube Oil	ND	0.495		mg/L	1	4/4/2008
Surr: o-Terphenyl	46.1	50-150	S,MI	%REC	1	4/4/2008
NWTPH-GX		NWTPH-GX				Analyst: jrp
Gasoline	ND	100		µg/L	1	4/3/2008
Surr: 4-Bromofluorobenzene	97.8	50-150		%REC	1	4/3/2008
VOLATILE ORGANICS BY GC/MS		SW8260B				Analyst: bda
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	4/3/2008 9:42:00 AM
1,2-Dibromoethane	ND	1.00		µg/L	1	4/3/2008 9:42:00 AM
1,2-Dichloroethane	ND	1.00		µg/L	1	4/3/2008 9:42:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	4/3/2008 9:42:00 AM
Benzene	ND	0.300		µg/L	1	4/3/2008 9:42:00 AM
Ethylbenzene	ND	1.00		µg/L	1	4/3/2008 9:42:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	4/3/2008 9:42:00 AM
m,p-Xylene	ND	2.00		µg/L	1	4/3/2008 9:42:00 AM
Methyl tert-butyl ether	ND	1.00		µg/L	1	4/3/2008 9:42:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	4/3/2008 9:42:00 AM
Naphthalene	ND	1.00		µg/L	1	4/3/2008 9:42:00 AM
o-Xylene	ND	1.00		µg/L	1	4/3/2008 9:42:00 AM
Toluene	ND	1.00		µg/L	1	4/3/2008 9:42:00 AM
Surr: 1,2-Dichloroethane-d4	108	72.2-129		%REC	1	4/3/2008 9:42:00 AM
Surr: 4-Bromofluorobenzene	95.1	73.5-125		%REC	1	4/3/2008 9:42:00 AM
Surr: Dibromofluoromethane	110	58.8-148		%REC	1	4/3/2008 9:42:00 AM
Surr: Toluene-d8	99.4	79.8-137		%REC	1	4/3/2008 9:42:00 AM

Specialty Analytical

Date: 10-Apr-08

CLIENT: Environmental Compliance Northwest, Inc.
Lab Order: 0804010
Project: Powell-Molalla / 05-106
Lab ID: 0804010-03

Client Sample ID: MW-3
Collection Date: 3/30/2008 2:30:00 PM
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						
Diesel	0.269	0.243	A1	mg/L	1	4/4/2008
Lube Oil	ND	0.485		mg/L	1	4/4/2008
Surr: o-Terphenyl	84.0	50-150		%REC	1	4/4/2008
NWTPH-GX						
Gasoline	589	100		µg/L	1	4/3/2008
Surr: 4-Bromofluorobenzene	103	50-150		%REC	1	4/3/2008
DISSOLVED METALS BY ICP/MS						
Lead	0.98	0.10		ug/L	1	4/4/2008
VOLATILE ORGANICS BY GC/MS						
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	4/3/2008 10:15:00 AM
1,2-Dibromoethane	ND	1.00		µg/L	1	4/3/2008 10:15:00 AM
1,2-Dichloroethane	ND	1.00		µg/L	1	4/3/2008 10:15:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	4/3/2008 10:15:00 AM
Benzene	ND	0.300		µg/L	1	4/3/2008 10:15:00 AM
Ethylbenzene	ND	1.00		µg/L	1	4/3/2008 10:15:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	4/3/2008 10:15:00 AM
m,p-Xylene	ND	2.00		µg/L	1	4/3/2008 10:15:00 AM
Methyl tert-butyl ether	ND	1.00		µg/L	1	4/3/2008 10:15:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	4/3/2008 10:15:00 AM
Naphthalene	ND	1.00		µg/L	1	4/3/2008 10:15:00 AM
o-Xylene	ND	1.00		µg/L	1	4/3/2008 10:15:00 AM
Toluene	ND	1.00		µg/L	1	4/3/2008 10:15:00 AM
Surr: 1,2-Dichloroethane-d4	110	72.2-129		%REC	1	4/3/2008 10:15:00 AM
Surr: 4-Bromofluorobenzene	97.6	73.5-125		%REC	1	4/3/2008 10:15:00 AM
Surr: Dibromofluoromethane	112	58.8-148		%REC	1	4/3/2008 10:15:00 AM
Surr: Toluene-d8	91.0	79.8-137		%REC	1	4/3/2008 10:15:00 AM

Specialty Analytical

Date: 10-Apr-08

CLIENT: Environmental Compliance Northwest, Inc.
Lab Order: 0804010
Project: Powell-Molalla / 05-106
Lab ID: 0804010-04

Client Sample ID: MW-4
Collection Date: 3/30/2008 2:50:00 PM
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NWTPH-DX						
Diesel	2.05	0.245	A1	mg/L	1	4/4/2008
Lube Oil	ND	0.489		mg/L	1	4/4/2008
Surr: o-Terphenyl	69.8	50-150		%REC	1	4/4/2008
NWTPH-GX						
Gasoline	15900	200		µg/L	2	4/3/2008
Surr: 4-Bromofluorobenzene	104	50-150		%REC	2	4/3/2008
DISSOLVED METALS BY ICP/MS						
Lead	2.5	0.10		ug/L	1	4/4/2008
LOW LEVEL PAH BY GC/MS OARSIM (8270C)						
A cenaphthene	0.231	0.0482		µg/L	1	4/9/2008 7:33:00 PM
A cenaphthylene	ND	0.0482		µg/L	1	4/9/2008 7:33:00 PM
Anthracene	ND	0.0482		µg/L	1	4/9/2008 7:33:00 PM
Benz(a)anthracene	ND	0.0482		µg/L	1	4/9/2008 7:33:00 PM
Benzo(a)pyrene	ND	0.0482		µg/L	1	4/9/2008 7:33:00 PM
Benzo(b)fluoranthene	ND	0.0482		µg/L	1	4/9/2008 7:33:00 PM
Benzo(g,h,i)perylene	ND	0.0482		µg/L	1	4/9/2008 7:33:00 PM
Benzo(k)fluoranthene	ND	0.0482		µg/L	1	4/9/2008 7:33:00 PM
Chrysene	ND	0.0482		µg/L	1	4/9/2008 7:33:00 PM
Dibenz(a,h)anthracene	ND	0.0482		µg/L	1	4/9/2008 7:33:00 PM
Fluoranthene	0.0868	0.0482		µg/L	1	4/9/2008 7:33:00 PM
Fluorene	0.482	0.0482		µg/L	1	4/9/2008 7:33:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.0482		µg/L	1	4/9/2008 7:33:00 PM
Naphthalene	115	0.482		µg/L	10	4/10/2008 9:08:00 AM
Phenanthrene	0.415	0.0482		µg/L	1	4/9/2008 7:33:00 PM
Pyrene	0.0868	0.0482		µg/L	1	4/9/2008 7:33:00 PM
Surr: 2-Fluorobiphenyl	68.3	18.6-106		%REC	1	4/9/2008 7:33:00 PM
Surr: Nitrobenzene-d5	79.8	17-130		%REC	1	4/9/2008 7:33:00 PM
Surr: p-Terphenyl-d14	68.0	39.6-131		%REC	1	4/9/2008 7:33:00 PM
VOLATILE ORGANICS BY GC/MS						
1,2,4-Trimethylbenzene	386	5.00		µg/L	5	4/3/2008 1:02:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	4/3/2008 10:49:00 AM
1,2-Dichloroethane	ND	1.00		µg/L	1	4/3/2008 10:49:00 AM
1,3,5-Trimethylbenzene	43.4	1.00		µg/L	1	4/3/2008 10:49:00 AM
Benzene	985	6.00		µg/L	20	4/3/2008 12:29:00 PM
Ethylbenzene	397	5.00		µg/L	5	4/3/2008 1:02:00 PM
Isopropylbenzene	92.2	1.00		µg/L	1	4/3/2008 10:49:00 AM
m,p-Xylene	307	10.0		µg/L	5	4/3/2008 1:02:00 PM
Methyl tert-butyl ether	11.3	1.00		µg/L	1	4/3/2008 10:49:00 AM
n-Propylbenzene	261	5.00		µg/L	5	4/3/2008 1:02:00 PM

Specialty Analytical

Date: 10-Apr-08

CLIENT: Environmental Compliance Northwest, Inc.
Lab Order: 0804010
Project: Powell-Molalla / 05-106
Lab ID: 0804010-04

Client Sample ID: MW-4
Collection Date: 3/30/2008 2:50:00 PM
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		SW8260B		Analyst: bda		
Naphthalene	150	5.00		µg/L	5	4/3/2008 1:02:00 PM
o-Xylene	36.0	1.00		µg/L	1	4/3/2008 10:49:00 AM
Toluene	8.93	1.00		µg/L	1	4/3/2008 10:49:00 AM
Surr: 1,2-Dichloroethane-d4	108	72.2-129		%REC	1	4/3/2008 10:49:00 AM
Surr: 4-Bromofluorobenzene	101	73.5-125		%REC	1	4/3/2008 10:49:00 AM
Surr: Dibromofluoromethane	107	58.8-148		%REC	1	4/3/2008 10:49:00 AM
Surr: Toluene-d8	96.1	79.8-137		%REC	1	4/3/2008 10:49:00 AM

Specialty Analytical

Date: 10-Apr-08

CLIENT: Environmental Compliance Northwest, Inc.
 Work Order: 0804010
 Project: Powell-Molalla / 05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_WDISS

Sample ID	0804010-01CMS	SampType:	MS	TestCode:	6020_WDISS	Units:	ug/L	Prep Date:	4/4/2008	Run ID:	ICPMS_080404D			
Client ID:	MW-1	Batch ID:	20775	TestNb:	SW6020			Analysis Date:	4/4/2008	SeqNo:	529209			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HghLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		47.13		0.10	50	0		94.3	70	130	0		0	

Sample ID	0804010-01CMSD	SampType:	MSD	TestCode:	6020_WDISS	Units:	ug/L	Prep Date:	4/4/2008	Run ID:	ICPMS_080404D			
Client ID:	MW-1	Batch ID:	20775	TestNb:	SW6020			Analysis Date:	4/4/2008	SeqNo:	529210			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HghLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		48.11		0.10	50	0		96.2	70	130	47.13	2.06		20

Sample ID	0804010-01CDUP	SampType:	DUP	TestCode:	6020_WDISS	Units:	ug/L	Prep Date:	4/4/2008	Run ID:	ICPMS_080404D			
Client ID:	MW-1	Batch ID:	20775	TestNb:	SW6020			Analysis Date:	4/4/2008	SeqNo:	529208			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HghLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		ND		0.10	0	0		0	0	0	0		0	20

Sample ID	CCV	SampType:	CCV	TestCode:	6020_WDISS	Units:	ug/L	Prep Date:		Run ID:	ICPMS_080404D			
Client ID:	ZZZZZ	Batch ID:	20775	TestNb:	SW6020			Analysis Date:	4/4/2008	SeqNo:	529205			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HghLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		50.27		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_080404D			
Client ID:	ZZZZZ	Batch ID:	20775	TestNb:	SW6020			Analysis Date:	4/4/2008	SeqNo:	529214			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HghLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		49.58		0.10	50	0		99.2	90	110	0		0	

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

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

B - Analyte detected in the associated Method Blank

Page 1 of 13

CLIENT: Environmental Compliance Northwest, Inc.

Work Order: 0804010

Project: Powell-Molalla / 05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_WDISS

Sample ID	ICB-20775	SampType:	ICB	TestCode:	6020_WDISS	Units:	ug/L	Prep Date:	4/4/2008	Run ID:	ICPMS_080404D		
Client ID:	ZZZZZ	Batch ID:	20775	TestNb:	SW6020			Analysis Date:	4/4/2008	SeqNo:	529206		
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		
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Sample ID	ICV	SampType:	ICV	TestCode:	6020_WDISS	Units:	ug/L	Prep Date:		Run ID:	ICPMS_080404D		
Client ID:	ZZZZZ	Batch ID:	20775	TestNb:	SW6020			Analysis Date:	4/4/2008	SeqNo:	529204		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead		50.58		0.10	50	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: 0804010

Project: Powell-Molalla / 05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID	MB-20754	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date: 4/2/2008	Run ID: 5973L_080402A					
Client ID: ZZZZZ	Batch ID: 20754	TestNb: SW8260B	Analysis Date: 4/2/2008	SeqNo: 528443							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1.00									
1,1,1-Trichloroethane	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									
1,1-Dichloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
1,1-Dichloropropene	ND	1.00									
1,2,3-Trichlorobenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2-Dibromoethane	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dichloroethane	ND	1.00									
1,2-Dichloropropane	ND	1.00									
1,3,5-Trimethylbenzene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,3-Dichloropropane	ND	1.00									
1,4-Dichlorobenzene	0.38	1.00									J
2,2-Dichloropropane	ND	1.00									
2-Butanone	ND	10.0									
2-Chlorotoluene	ND	1.00									
2-Hexanone	ND	10.0									
4-Chlorotoluene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	50.0									
Acrylonitrile	ND	5.00									
Benzene	ND	0.300									
Bromobenzene	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: 0804010

Project: Powell-Molalla / 05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID	MB-20754	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	4/2/2008	Run ID:	5973L_080402A	
Client ID:	ZZZZZ	Batch ID:	20754	TestNb:	SW8260B			Analysis Date:	4/2/2008	SeqNo:	528443	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HghLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromochloromethane		ND	1.00									
Bromodichloromethane		ND	1.00									
Bromoform		ND	1.00									
Bromomethane		ND	1.00									
Carbon disulfide		ND	2.00									
Carbon tetrachloride		ND	1.00									
Chlorobenzene		ND	1.00									
Chloroethane		ND	1.00									
Chloroform		ND	1.00									
Chloromethane		ND	1.00									
cis-1,2-Dichloroethene		ND	1.00									
cis-1,3-Dichloropropene		ND	1.00									
Dibromochloromethane		ND	1.00									
Dibromomethane		ND	1.00									
Dichlorodifluoromethane		ND	1.00									
Ethylbenzene		0.2	1.00									J
Hexachlorobutadiene		ND	1.00									
Isopropylbenzene		ND	1.00									
m,p-Xylene		0.42	2.00									J
Methyl tert-butyl ether		ND	1.00									
Methylene chloride		5.83	20.0									J
n-Butylbenzene		ND	1.00									
n-Propylbenzene		0.14	1.00									J
Naphthalene		0.48	1.00									J
o-Xylene		ND	1.00									
sec-Butylbenzene		ND	1.00									
Styrene		ND	1.00									
tert-Butylbenzene		ND	1.00									
Tetrachloroethene		ND	1.00									
Toluene		ND	1.00									
trans-1,2-Dichloroethene		ND	1.00									

Qualifiers: ND - Not Detected at the Reporting Limit
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: 0804010
Project: Powell-Molalla / 05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID	MB-20754	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	4/2/2008	Run ID:	5973L_080402A
Client ID:	ZZZZZ	Batch ID:	20754	TestNb:	SW8260B			Analysis Date:	4/2/2008	SeqNo:	528443
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HghLimit	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	105.9	0	100	0	106	72.2	129	0	0		
Surr: 4-Bromofluorobenzene	98.18	0	100	0	98.2	73.5	125	0	0		
Surr: Dibromofluoromethane	106.6	0	100	0	107	58.8	148	0	0		
Surr: Toluene-d8	97.61	0	100	0	97.6	79.8	137	0	0		

Sample ID	LCS-20754	SampType:	LCS	TestCode:	8260_W	Units:	µg/L	Prep Date:	4/2/2008	Run ID:	5973L_080402A
Client ID:	ZZZZZ	Batch ID:	20754	TestNb:	SW8260B			Analysis Date:	4/2/2008	SeqNo:	528444
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HghLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	44.72	1.00	40	0	112	69.9	130	0	0		
Benzene	44.16	0.300	40	0	110	77.9	125	0	0		
Chlorobenzene	43.81	1.00	40	0	110	82.5	114	0	0		
Toluene	39.35	1.00	40	0	98.4	74.6	119	0	0		
Trichloroethene	42.83	1.00	40	0	107	74.7	125	0	0		

Sample ID	0804006-01AMS	SampType:	MS	TestCode:	8260_W	Units:	µg/L	Prep Date:	4/2/2008	Run ID:	5973L_080402A
Client ID:	ZZZZZ	Batch ID:	20754	TestNb:	SW8260B			Analysis Date:	4/2/2008	SeqNo:	528455
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HghLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	40.16	1.00	40	0	100	51.4	176	0	0		
Benzene	39.17	0.300	40	0	97.9	71.5	118	0	0		
Chlorobenzene	39.19	1.00	40	0	98	79.8	114	0	0		
Toluene	34.32	1.00	40	0	85.8	79.6	121	0	0		
Trichloroethene	38.57	1.00	40	0	96.4	73.6	120	0	0		

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

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

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0804010
Project: Powell-Molalla / 05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID	0804006-01AMSD	SampType:	MSD	TestCode:	8260_W	Units:	µg/L	Prep Date:	4/2/2008	Run ID:	5973L_080402A
Client ID:	ZZZZZ	Batch ID:	20754	TestNb:	SW8260B			Analysis Date:	4/2/2008	SeqNo:	528456
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HghLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	42.24	1.00	40	0	106	51.4	176	40.16	5.05	20	
Benzene	39.37	0.300	40	0	98.4	71.5	118	39.17	0.509	20	
Chlorobenzene	38.68	1.00	40	0	96.7	79.8	114	39.19	1.31	20	
Toluene	34.45	1.00	40	0	86.1	79.6	121	34.32	0.378	20	
Trichloroethene	39.4	1.00	40	0	98.5	73.6	120	38.57	2.13	20	

Sample ID	CCV-20754	SampType:	CCV	TestCode:	8260_W	Units:	µg/L	Prep Date:		Run ID:	5973L_080402A
Client ID:	ZZZZZ	Batch ID:	20754	TestNb:	SW8260B			Analysis Date:	4/2/2008	SeqNo:	528442
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HghLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	45.83	1.00	40	0	115	80	120	0	0		
1,2-Dichloropropane	42.2	1.00	40	0	106	80	120	0	0		
Chloroform	47.57	1.00	40	0	119	80	120	0	0		
Ethylbenzene	39.15	1.00	40	0	97.9	80	120	0	0		
Toluene	38.27	1.00	40	0	95.7	80	120	0	0		
Vinyl chloride	47.26	1.00	40	0	118	80	120	0	0		

Sample ID	CCV-20754	SampType:	CCV	TestCode:	8260_W	Units:	µg/L	Prep Date:		Run ID:	5973L_080402A
Client ID:	ZZZZZ	Batch ID:	20754	TestNb:	SW8260B			Analysis Date:	4/3/2008	SeqNo:	528632
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HghLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	42.16	1.00	40	0	105	80	120	0	0		
1,2-Dichloropropane	38.15	1.00	40	0	95.4	80	120	0	0		
Chloroform	45.84	1.00	40	0	115	80	120	0	0		
Ethylbenzene	37	1.00	40	0	92.5	80	120	0	0		
Toluene	36.58	1.00	40	0	91.4	80	120	0	0		
Vinyl chloride	47.64	1.00	40	0	119	80	120	0	0		

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

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0804010
Project: Powell-Molalla / 05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHDX_W

Sample ID	MB-20761	SampType:	MBLK	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:	4/3/2008	Run ID:	GC-M_080404B
Client ID:	ZZZZZ	Batch ID:	20761	TestNb:	NWTPH-Dx			Analysis Date:	4/4/2008	SeqNo:	528952
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HghLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.06505	0.250									J
Hydraulic Oil	ND	1.00									
Kerosene	ND	0.250									
Lube Oil	ND	0.500									
Surr: o-Terphenyl	0.4266	0	0.5	0	85.3	50	150	0	0		

Sample ID	LCS-20761	SampType:	LCS	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:	4/3/2008	Run ID:	GC-M_080404B
Client ID:	ZZZZZ	Batch ID:	20761	TestNb:	NWTPH-Dx			Analysis Date:	4/4/2008	SeqNo:	528953
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HghLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	2.21	0.250	2.509	0.06505	85.5	60.7	121	0	0		
Lube Oil	2.358	0.500	2.524	0	93.4	64	126	0	0		

Sample ID	LCSD-20761	SampType:	LCSD	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:	4/3/2008	Run ID:	GC-M_080404B
Client ID:	ZZZZZ	Batch ID:	20761	TestNb:	NWTPH-Dx			Analysis Date:	4/4/2008	SeqNo:	528954
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HghLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1.881	0.250	2.505	0.06505	72.5	60.7	121	2.21	16.1	20	
Lube Oil	2.132	0.500	2.505	0	85.1	64	126	2.358	10.1	20	

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:		Run ID:	GC-M_080404B
Client ID:	ZZZZZ	Batch ID:	20761	TestNb:	NWTPH-Dx			Analysis Date:	4/4/2008	SeqNo:	528955
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HghLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	15.21	0.250	15	0	101	85	115	0	0		
Lube Oil	7.894	0.500	7.5	0	105	85	115	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: 0804010
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_080404B		
Client ID:	ZZZZZ	Batch ID:	20761	TestNb:	NWTPH-Dx			Analysis Date:	4/4/2008	SeqNo:	528964		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	20.33	0.250	20	0	102	85	115	0	0
Lube Oil	11.16	0.500	10	0	112	85	115	0	0

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHDX_	Units:	mg/L	Prep Date:		Run ID:	GC-M_080404B		
Client ID:	ZZZZZ	Batch ID:	20761	TestNb:	NWTPH-Dx			Analysis Date:	4/7/2008	SeqNo:	529018		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	18.32	0.250	20	0	91.6	85	115	0	0
Hydraulic Oil	9.441	1.00	10	0	94.4	85	115	0	0
Kerosene	18.1	0.250	20	0	90.5	85	115	0	0
Lube Oil	9.541	0.500	10	0	95.4	85	115	0	0

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CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0804010
Project: Powell-Molalla / 05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: NWTPHGX_W

Sample ID	MB-20755	SampType:	MBLK	TestCode:	NWTPHGX_	Units:	µg/L	Prep Date:	4/2/2008	Run ID:	GC-I_080402B			
Client ID:	ZZZZZ	Batch ID:	20755	TestNb:	NWTPH-Gx			Analysis Date:	4/2/2008	SeqNo:	528575			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		79.49		100										J
Mineral Spirits		ND		250										
Surr: 4-Bromofluorobenzene		99.49		0	100	0		99.5	50	150	0	0		

Sample ID	LCS-20755	SampType:	LCS	TestCode:	NWTPHGX_	Units:	µg/L	Prep Date:	4/2/2008	Run ID:	GC-I_080402B			
Client ID:	ZZZZZ	Batch ID:	20755	TestNb:	NWTPH-Gx			Analysis Date:	4/2/2008	SeqNo:	528576			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		2031		100	2000	79.49		97.6	74.4	128	0	0		

Sample ID	0804004-04CDUP	SampType:	DUP	TestCode:	NWTPHGX_	Units:	µg/L	Prep Date:	4/2/2008	Run ID:	GC-I_080402B			
Client ID:	ZZZZZ	Batch ID:	20755	TestNb:	NWTPH-Gx			Analysis Date:	4/2/2008	SeqNo:	528579			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		43.72		100	0	0		0	0	0	88.65	0	20	J

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_	Units:	µg/L	Prep Date:		Run ID:	GC-I_080402B			
Client ID:	ZZZZZ	Batch ID:	20755	TestNb:	NWTPH-Gx			Analysis Date:	4/2/2008	SeqNo:	528577			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		2485		100	2500	0		99.4	80	120	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_	Units:	µg/L	Prep Date:		Run ID:	GC-I_080402B			
Client ID:	ZZZZZ	Batch ID:	20755	TestNb:	NWTPH-Gx			Analysis Date:	4/2/2008	SeqNo:	528583			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline		3072		100	3000	0		102	80	120	0	0		

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

B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0804010
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-I_080402B		
Client ID:	ZZZZZ	Batch ID:	20755	TestNb:	NWTPH-Gx			Analysis Date:	4/3/2008	SeqNo:	528739		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	2421	100	2500	0	96.8	80	120	0	0
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Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_	Units:	µg/L	Prep Date:		Run ID:	GC-I_080402B			
Client ID:	ZZZZZ	Batch ID:	20755	TestNb:	NWTPH-Gx			Analysis Date:	4/3/2008	SeqNo:	528747			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	2833	100	3000	0	94.4	80	120	0	0
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Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_	Units:	µg/L	Prep Date:		Run ID:	GC-I_080402B		
Client ID:	ZZZZZ	Batch ID:	20755	TestNb:	NWTPH-Gx			Analysis Date:	4/4/2008	SeqNo:	528860		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mineral Spirits	2453	250	2500	0	98.1	85	115	0	0
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Sample ID	CCV	SampType:	CCV	TestCode:	NWTPHGX_	Units:	µg/L	Prep Date:		Run ID:	GC-I_080402B			
Client ID:	ZZZZZ	Batch ID:	20755	TestNb:	NWTPH-Gx			Analysis Date:	4/4/2008	SeqNo:	528864			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HghLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mineral Spirits	2767	250	2500	0	111	85	115	0	0
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B - Analyte detected in the associated Method Blank

CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0804010
Project: Powell-Molalla / 05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: PAHLL_W

Sample ID	MB-20783	SampType:	MBLK	TestCode:	PAHLL_W	Units:	µg/L	Prep Date:	4/7/2008	Run ID:	5973P_080409A
Client ID:	ZZZZZ	Batch ID:	20783	TestNb:	8270SIM			Analysis Date:	4/9/2008	SeqNo:	529611
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.01	0.0500									J
Acenaphthylene	ND	0.0500									
Anthracene	ND	0.0500									
Benz(a)anthracene	0.02	0.0500									J
Benzo(a)pyrene	0.01	0.0500									J
Benzo(b)fluoranthene	0.01	0.0500									J
Benzo(g,h,i)perylene	0.02	0.0500									J
Benzo(k)fluoranthene	ND	0.0500									
Chrysene	ND	0.0500									
Dibenz(a,h)anthracene	0.01	0.0500									J
Fluoranthene	0.01	0.0500									J
Fluorene	0.01	0.0500									J
Indeno(1,2,3-cd)pyrene	0.01	0.0500									J
Naphthalene	0.03	0.0500									J
Phenanthrene	0.01	0.0500									J
Pyrene	0.01	0.0500									J
Surr: 2-Fluorobiphenyl	67.57	1.00	100	0	67.6	18.6	106	0	0		
Surr: Nitrobenzene-d5	69.19	1.00	100	0	69.2	17	130	0	0		
Surr: p-Terphenyl-d14	78.26	1.00	100	0	78.3	39.6	131	0	0		

Sample ID	LCS-20783	SampType:	LCS	TestCode:	PAHLL_W	Units:	µg/L	Prep Date:	4/7/2008	Run ID:	5973P_080409A
Client ID:	ZZZZZ	Batch ID:	20783	TestNb:	8270SIM			Analysis Date:	4/9/2008	SeqNo:	529612
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	4.08	0.0500	5	0.01	81.4	35.1	100	0	0		
Benzo(g,h,i)perylene	4.3	0.0500	5	0.02	85.6	20.8	120	0	0		
Chrysene	4.21	0.0500	5	0	84.2	39.1	119	0	0		
Naphthalene	3.94	0.0500	5	0.03	78.2	25.6	106	0	0		
Phenanthrene	4.19	0.0500	5	0.01	83.6	38.1	106	0	0		
Pyrene	4.72	0.0500	5	0.01	94.2	41.3	118	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
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CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0804010
Project: Powell-Molalla / 05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: PAHLL_W

Sample ID	LCSD-20783	SampType:	LCSD	TestCode:	PAHLL_W	Units:	µg/L	Prep Date:	4/7/2008	Run ID:	5973P_080409A
Client ID:	ZZZZZ	Batch ID:	20783	TestNb:	8270SIM			Analysis Date:	4/9/2008	SeqNo:	529613
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.73	0.0500	5	0.01	74.4	35.1	100	4.08	8.96	20	
Benzo(g,h,i)perylene	4.03	0.0500	5	0.02	80.2	20.8	120	4.3	6.48	20	
Chrysene	3.95	0.0500	5	0	79	39.1	119	4.21	6.37	20	
Naphthalene	3.73	0.0500	5	0.03	74	25.6	106	3.94	5.48	20	
Phenanthrene	3.78	0.0500	5	0.01	75.4	38.1	106	4.19	10.3	20	
Pyrene	4.28	0.0500	5	0.01	85.4	41.3	118	4.72	9.78	20	

Sample ID	CCV-20783	SampType:	CCV	TestCode:	PAHLL_W	Units:	µg/L	Prep Date:		Run ID:	5973P_080409A
Client ID:	ZZZZZ	Batch ID:	20783	TestNb:	8270SIM			Analysis Date:	4/9/2008	SeqNo:	529610
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	1.07	0.0500	1	0	107	70	130	0	0		
Acenaphthylene	1.08	0.0500	1	0	108	70	130	0	0		
Anthracene	1.05	0.0500	1	0	105	70	130	0	0		
Benz(a)anthracene	1.13	0.0500	1	0	113	70	130	0	0		
Benzo(a)pyrene	0.9	0.0500	1	0	90	70	130	0	0		
Benzo(b)fluoranthene	0.9	0.0500	1	0	90	70	130	0	0		
Benzo(g,h,i)perylene	0.97	0.0500	1	0	97	70	130	0	0		
Benzo(k)fluoranthene	1.06	0.0500	1	0	106	70	130	0	0		
Chrysene	0.99	0.0500	1	0	99	70	130	0	0		
Dibenz(a,h)anthracene	0.89	0.0500	1	0	89	70	130	0	0		
Fluoranthene	1.13	0.0500	1	0	113	70	130	0	0		
Fluorene	1.12	0.0500	1	0	112	70	130	0	0		
Indeno(1,2,3-cd)pyrene	1.02	0.0500	1	0	102	70	130	0	0		
Naphthalene	1.11	0.0500	1	0	111	70	130	0	0		
Phenanthrene	1.01	0.0500	1	0	101	70	130	0	0		
Pyrene	1.1	0.0500	1	0	110	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
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CLIENT: Environmental Compliance Northwest, Inc.
Work Order: 0804010
Project: Powell-Molalla / 05-106

ANALYTICAL QC SUMMARY REPORT

TestCode: PAHLL_W

Sample ID	CCV-20783	SampType:	CCV	TestCode:	PAHLL_W	Units:	µg/L	Prep Date:		Run ID:	5973P_080409A
Client ID:	ZZZZZ	Batch ID:	20783	TestNb:	8270SIM			Analysis Date:	4/10/2008	SeqNo:	529714
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HghLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.99	0.0500	1	0	99	70	130	0	0		
Acenaphthylene	1.04	0.0500	1	0	104	70	130	0	0		
Anthracene	0.94	0.0500	1	0	94	70	130	0	0		
Benz(a)anthracene	1.04	0.0500	1	0	104	70	130	0	0		
Benzo(a)pyrene	0.88	0.0500	1	0	88	70	130	0	0		
Benzo(b)fluoranthene	0.84	0.0500	1	0	84	70	130	0	0		
Benzo(g,h,i)perylene	0.94	0.0500	1	0	94	70	130	0	0		
Benzo(k)fluoranthene	1.05	0.0500	1	0	105	70	130	0	0		
Chrysene	0.96	0.0500	1	0	96	70	130	0	0		
Dibenz(a,h)anthracene	0.85	0.0500	1	0	85	70	130	0	0		
Fluoranthene	1.07	0.0500	1	0	107	70	130	0	0		
Fluorene	1.05	0.0500	1	0	105	70	130	0	0		
Indeno(1,2,3-cd)pyrene	1.03	0.0500	1	0	103	70	130	0	0		
Naphthalene	1.01	0.0500	1	0	101	70	130	0	0		
Phenanthrene	0.97	0.0500	1	0	97	70	130	0	0		
Pyrene	1.02	0.0500	1	0	102	70	130	0	0		

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

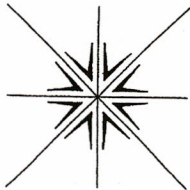
S - Spike Recovery outside accepted recovery limits
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KEY TO FLAGS

- 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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Project No. 05-106

Project Name Powell-Matalla

Project Site Location OR ~~WA~~

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Invoice To

P.O. No.

Collected By:

Signature

Printed

Signature.

Printed

Turn Around Time

☒ Normal 5-7 Business Days

☐ Rush

Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

[illegible]

Copies: White-Original

Yellow-Project File

Pink-Customer Copy