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July 29, 2011

Jason Shira
Site Manager
Toxics Cleanup Program
Department of Ecology
15 W. Yakima Avenue, Suite 200
Yakima, Washington 98902-4301

UPSS10118.01

Re: ***Revised Quarterly Groundwater Monitoring Report #1, June 2011, UPS Union Gap (FSID # 14724678, UST # 3704), 501 West Valley Mall Boulevard, Union Gap, Yakima County, Washington***

Dear Mr. Shira:

Attached is a Revised Quarterly Groundwater Monitoring Report that includes the groundwater flow direction and contours on Figure 2.

An electronic copy is also being sent to your email account.

Should you have any questions, please contact me ***at 770-792-6200.***

Sincerely,
Sierra Piedmont®, Inc.

For Terri L. Drabek, PE
Environmental Engineer

12045 Highway 92 • Woodstock, GA 30188 • Phone (770) 792-6200 • Toll Free (800) 805-6002 • Fax (770) 792-6005

Privately owned and headquartered in Woodstock, Georgia, Sierra Piedmont is a national leader in environmental consulting, site assessments, compliance and remediation.

Our commitment to clients, client relationships, the markets we serve and proven solutions to environmental problems has been our focus since 1996. Businesses from Fortune 100 companies to regional firms in 50 states rely on our advice, guidance and support to solve their environmental problems and limit liability. Our services have recently expanded to include strategic planning and consultation with clients on environmental issues in addition to our core business of environmental site assessments, remediation and compliance work.

FIRST QUARTERLY GROUNDWATER MONITORING REPORT, JUNE 2011

AT
UPS UNION GAP
501 WEST VALLEY MALL BOULEVARD
UNION GAP, YAKIMA COUNTY, WASHINGTON
FACILITY ID #14724678
UST SITE ID #3704

July 8, 2011
REVISED July 29, 2011

PREPARED FOR:

Mr. Jason Shira
Site Manager
Toxics Cleanup Program
Washington Department of Ecology
15 W. Yakima Avenue, Suite 200
Yakima, WA 98902-3452

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1.0 FIELD METHODS

On Wednesday, June 1, 2011, Sierra personnel were present at the UPS, Union Gap, Washington, facility to commence groundwater purging and sampling activities at the three onsite groundwater monitoring wells (Figures 1 and 2).

Initially, each well cap was removed and the well allowed to equilibrate for at least 30 minutes. Each well was opened and a groundwater level measurement was obtained using a decontaminated ORS® Small Diameter Interface Probe. Prior to and between measurements, the probe was decontaminated using a distilled water and Alconox® surfactant scrub and triple-distilled-water rinse. Groundwater levels were recorded on field notes presented in Table 1 and Attachment A. Top of casing elevations are taken from the *Limited Subsurface Investigation* report for this facility.

Table 1 – Groundwater Levels

Well	Depth to Water (feet)	Total Well Depth (feet)	Top of Casing Elevation - Relative (feet)	Top of Casing Elevation Reference to USGS Map (feet)	Groundwater Elevation (feet)
MW-1	8.08	14.41	99.25	999.25	991.17
MW-2	7.29	13.12	98.61	998.61	991.32
MW-3	7.59	13.28	98.97	998.97	991.38

Groundwater purging was conducted using a non-contact, peristaltic electric pump (Solinst 410) and new tubing. Groundwater collected during purging was placed in five-gallon buckets and physically carried to a 55-gallon steel drum placed within a designated area of the UPS site for temporary storage pending laboratory analytical results for waste characterization and off-site disposal.

A Horiba® U-22 Multi-Parameter Meter was placed into a flow-through cell and attached to the effluent side of the pump tubing. This device was used to measure pH, temperature, and conductivity. Parameter readings were obtained initially and at three-minute intervals thereafter. Groundwater purge data is presented in Tables 2 through 4 and Attachment A.

Table 2 – Groundwater Purging Parameters
Monitoring Well MW-1

Time	pH	Temperature (°Celsius)	Conductivity (µS/CM)	Turbidity (NTU)
12:20	7.05	15.40	0.310	0.00
12:23	7.06	15.40	0.310	0.00
12:26	7.07	15.41	0.311	0.00
12:29	7.08	15.39	0.311	0.00
12:32	7.08	15.37	0.311	0.00
12:35	7.08	15.37	0.311	0.00

(µS/CM) = microSiemens per centimeter
NTU = nephelometric turbidity units

Table 3 – Groundwater Purging Parameters
Monitoring Well MW-2

Time	pH	Temperature (°Celsius)	Conductivity (µS/CM)	Turbidity (NTU)
15:28	7.07	15.37	0.309	3.19
15:31	7.07	15.37	0.309	3.45
15:34	7.08	15.35	0.309	3.48
15:37	7.08	15.35	0.309	3.49

(µS/CM) = microSiemens per centimeter
NTU = nephelometric turbidity units

Table 4 – Groundwater Purging Parameters
Monitoring Well MW-3

Time	pH	Temperature (°Celsius)	Conductivity (µS/CM)	Turbidity (NTU)
14:32	7.07	15.4	0.311	0.00
14:35	7.04	15.35	0.311	0.00
14:38	7.02	15.36	0.311	0.00
14:41	7.02	15.34	0.311	0.00

(µS/CM) = microSiemens per centimeter
NTU = nephelometric turbidity units

Groundwater samples from each well were collected immediately after purging for analysis for the presence of the following: volatile organic compounds (VOCs), including benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tert-butyl ether (MTBE), 1,2-dichloroethane (EDC), 1,2-dibromoethane(EDB), and naphthalene, by EPA-approved Method 8260C; total petroleum hydrocarbons (TPH) gasoline range organics, by Method Northwest (NW) NWTPH-Gx; TPH diesel range organics, by Method NWTPH-Dx); and total lead, by EPA-approved Method 6010. A blind duplicate sample (MW-11) was collected from MW-1, to be analyzed for the same parameters for quality assurance purposes.

Chain-of-custody protocol was followed in sample collection, handling, transport, and receipt by the laboratory, Columbia Analytical Services, 1317 South 13th Avenue, Kelso, Washington. All groundwater samples were transported via UPS to Columbia. All reporting forms, including the Certificate of Analysis and Chain-of-Custody form, are presented in Attachment B.

2.0 ANALYTICAL RESULTS

The analytical results for groundwater samples collected during the June 2011 sampling event are presented in Table 5.

In addition, quality assurance/quality control (QA/QC) groundwater samples were obtained. One blind duplicate sample, MW-11, as well as matrix spike/matrix spike duplicates (MS/MSD) and a trip blank were laboratory analyzed.

Laboratory analytical results are presented in Table 5 and Attachment B.

TABLE 5 - SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

Analytical Parameter	Analytical Method	Method A Groundwater Quality Standard (µg/l)	Method Reporting Limit (µg/l)	MW-1 (µg/l)	MW-11 (Blind Duplicate of MW-1) (µg/l)	MW-2 (µg/l)	MW-3 (µg/l)
Diesel Range Organics (DRO)	NWTPH-Dx	500	260	ND	ND	ND	ND
Residual Range Organics (RRO)	NWTPH-Dx	500	520	ND	ND	ND	ND
Gasoline Range Organics (GRO)	NWTPH-Gx	1,000+	250	ND	ND	ND	ND
Benzene	EPA Method 8260C	5	0.5	ND	ND	ND	ND
Toluene	EPA Method 8260C	1,000	0.5	ND	ND	ND	ND
Ethylbenzene	EPA Method 8260C	700	0.5	ND	ND	ND	ND
M,p-Xylenes	EPA Method 8260C	1,000*	0.5	ND	ND	ND	ND
o-Xylenes	EPA Method 8260C	1,000*	0.5	ND	ND	ND	ND
Methyl tert-Butyl Ether (MTBE)	EPA Method 8260C	20	0.5	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	EPA Method 8260C	5	0.5	ND	ND	ND	ND
1,2-Dibromomethane (EDB)	EPA Method 8260C	0.01(1)	2.0	ND	ND	ND	ND
Naphthalene	EPA Method 8260C	160(2)	2.0	ND	ND	ND	ND
Lead	EPA Method 6010C	15(3)	50	ND	ND	ND	ND

Notes:

* = The standard is for total xylenes
µg/l = micrograms per liter
ND = non-detect
\+ = Cleanup level with no benzene detected in groundwater
(1) = Cleanup level based on concentration derived using Equation 720-2, adjusted for the practical quantitation limit
(2) = This is the value for total naphthalene, 1-methyl naphthalene, and 2-methyl naphthalene
(3) = Cleanup level based on applicable State and Federal regulations (40 CFR §141.80)

3.0 CONCLUSIONS

Findings for the June 2011 groundwater monitoring event are as follows:

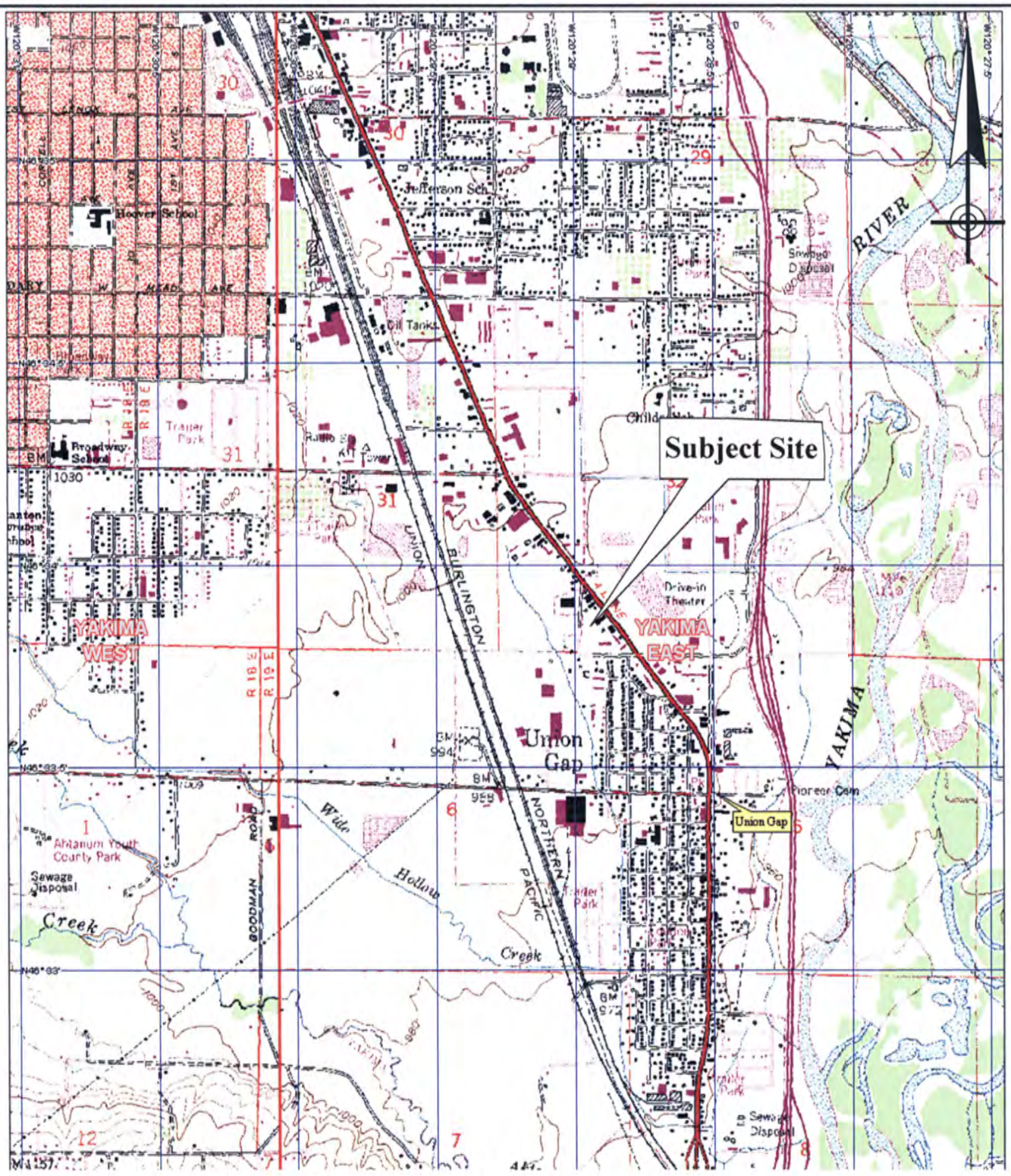
- TPH-DRO and TPH-GRO were not detected above the laboratory reporting limits in any sample.
- VOCs were not detected above the laboratory reporting limits in any sample.
- Total lead was not detected above the laboratory reporting limit in any sample.

Pick-up and proper disposal of the 55-gallon steel drum containing purge water was scheduled, and a manifest for disposal will be provided under separate cover. Sierra will schedule the next quarterly groundwater monitoring event for October 2011. UPS will be contacted prior to mobilization to finalize coordination of scheduling.

4.0 RECOMMENDATIONS

This is the report for the first quarterly sampling at UPS, Union Gap, Washington. Three additional quarterly sampling events are scheduled for the site prior to a request for an opinion of "No Further Action" status for the site.

FIGURES



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UPS UNION GAP PACKAGE CENTER
501 WEST VALLEY MALL BOULEVARD
UNION GAP, YAKIMA COUNTY, WASHINGTON 98903

AREA MAP

YAKIMA EAST (WA) - ORIG. DATE 1985

SCALE: NTS	DRAWN BY: SAP	DRAWING NO. UPSS10118.00		REV. NO.
DATE: 09/24/2010	CHECKED BY: DEA	FIGURE NUMBER		
REVISION DATE:	APPROVED BY: DEA	FIGURE 1		X

N

SOUTH OLD TOWN ROAD

ASPHALT PARKING LOT

UPS FACILITY

WEST VALLEY WALL BLVD

LEGEND:

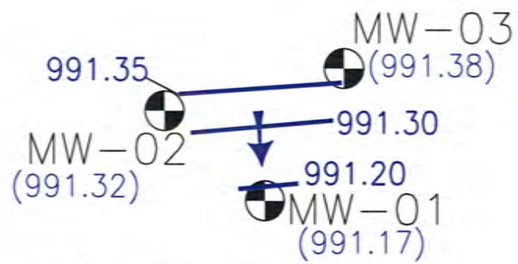
MW-01 GROUNDWATER MONITORING WELL

CONCRETE SURFACE

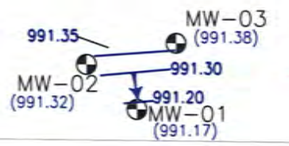
INTERPRETED GROUNDWATER CONTOUR

INTERPRETED GROUNDWATER FLOW DIRECTION

(67.98) GROUNDWATER ELEVATION, FT



SCALE: 1" – 20'



0' 40' 80'

SCALE: 1"=40'

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UPS UNION GAP PACKAGE CENTER
501 WEST VALLEY MALL BOULEVARD
UNION GAP, YAKIMA COUNTY, WASHINGTON

POTENTIOMETRIC SURFACE MAP

SCALE: 1"=20'	DRAWN BY: BLM	DRAWING NO. UPSS10118.01	REV. NO.
DATE: 06/01/2011	CHECKED BY: TLD	FIGURE NUMBER FIGURE 2	1
REVISION DATE:	APPROVED BY:		

ATTACHMENT A

2 1/3 UPSS101108.00 BENJAMIN MOSS
SUNNY 75°F
UPS UNION GAP 06-01-2011
QUARTERLY SAMPLING

10:30AM - ARRIVED ON SITE AND BEGAN SETTING UP ON SITE.

11:30AM - SET UP ON MW-01 WC-WATER COLUMN
DTW - DEPTH TO WATER WD-WELL DEPTH

WELL	DTW	WD	WC	PURGE (gal) VOLUME	WELL DIAMETER
MW-01	8.08'	14.41'	6.33	~~4.07~~ 3.07	2"
MW-03	7.59'	13.28'	5.69	~~3.89~~ 2.90	2"
MW-02	7.29'	13.12	5.83	2.97	2"

~~STABILITY TRACKING~~

WELL	PH	TEMP	CONDUCT	TURBIDITY
MW-01				
MW-02				
~~MW-03~~				

Bm 06-01-2011

STABILITY TRACKING MW-01

TIME	PH	TEMP (C°)	CONDUCT (mS/cm)	TURBIDITY (NTU)
12:20	7.05	15.40	0.310	0.00
12:23	7.06	15.40	0.310	0.00
12:26	7.07	15.41	0.311	0.00
12:29	7.08	15.39	0.311	0.00
12:32	7.08	15.37	0.311	0.00
12:35	7.08	15.37	0.311	0.00

STABLE SAMPLE ARE TAKEN

2/3

31

12:03AM - PURGING BEGINS ON MW-01. MS/MSD & BLIND DUPLICATE (MW-11) WILL ALSO BE TAKEN FROM MW-01

12:35AM - SAMPLE FOR ~~MW-01~~ MW-11 ARE TAKEN.

12:45PM - SAMPLE FOR MW-01 ARE TAKEN

1:05pm - SAMPLE FOR ~~MW-~~ MS/MSD ARE TAKEN

1:15pm MOVE OVER TO MW-03 AND PURGING BEGINS

2:00pm - PURGING BEGINS AT 2:00 pm

STABILITY TRACKING MW-03

TIME	PH	TEMP	CONDUCT	TURBIDITY
+2:32	15.4	7.07	0.311	0.00
+2:35	7.04	15.35	0.311	0.00
+2:38	7.02	15.36	0.311	0.00
2:41	7.02	15.34	0.311	0.00

2:30 - PURGING COMPLETE AND SAMPLING CHECKS BEGIN

2:41 - SAMPLING BEGINS

Bm 6-1-11

2/32 [3/3]

2:55 pm - SAMPLING COMPLETE MOVE TO MW-02 FOR PURGING & SAMPLING

3:05 - PURGING BEGINS AT MW-02, STABALITY TRACKING AT MW-02

	TIME	pH	TEMP	CONDUCT	TURBIDITY
	3:28	7.07	15.37	0.309	3.19
	3:31	7.07	15.37	0.309	3.45
	3:34	7.08	15.35	0.309	3.48
	3:37	7.08	15.35	0.309	3.49

3 SM 6-1-4

3:25 - PURGING COMPLETE AND STABALIZATION CRITERIA BEGIN

3:40 - SAMPLING BEGINS ON MW-02

4:00 - LEAVE SITE

ATTACHMENT B

Columbia Analytical Services, Inc.
1317 S. 13th Avenue, Kelso, WA 98626 360.577.7222 360.636.1068 (fax) www.caslab.com

July 6, 2011

Analytical Report for Service Request No: K1104913
Revised Service Request No: K1104913.01

Daniel Agramonte
Sierra Piedmont
12045 Highway 92
Woodstock, GA 30188

RE: UPS Yakima/UPSS10118.01

Dear Daniel:

Enclosed are the revised report pages for the samples submitted to our laboratory on June 02, 2011. For your reference, these analyses have been assigned our service request number K1104913.

Report is revised to include Naphthalene.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.caslab.com. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3281. You may also contact me via Email at MShelton@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Mike Shelton

Mike Shelton
Project Chemist

MS/jw

REVISED
9:40 am, Jul 07, 2011

Client: Sierra Piedmont, Inc.
Project: UPS Yakima/UPSS10118.01
Sample Matrix: Water

Service Request: K1104913
Date Collected: 06/01/2011
Date Received: 06/02/2011

Volatile Organic Compounds

Sample Name: MW-01
Lab Code: K1104913-001

Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methyl tert-Butyl Ether	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Benzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Toluene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/07/11	06/07/11	KWG1105110	
Ethylbenzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
m,p-Xylenes	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
o-Xylene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Naphthalene	ND	U	2.0	1	06/07/11	06/07/11	KWG1105110	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	100	73-122	06/07/11	Acceptable
Toluene-d8	103	78-129	06/07/11	Acceptable
4-Bromofluorobenzene	93	68-117	06/07/11	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Sierra Piedmont, Inc.	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Collected:**	06/01/2011
Sample Matrix:	Water	**Date Received:**	06/02/2011

Volatile Organic Compounds

Sample Name:	MW-11	**Units:**	ug/L
Lab Code:	K1104913-002	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methyl tert-Butyl Ether	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Benzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Toluene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/07/11	06/07/11	KWG1105110	
Ethylbenzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
m,p-Xylenes	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
o-Xylene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Naphthalene	ND	U	2.0	1	06/07/11	06/07/11	KWG1105110	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	101	73-122	06/07/11	Acceptable
Toluene-d8	104	78-129	06/07/11	Acceptable
4-Bromofluorobenzene	93	68-117	06/07/11	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Sierra Piedmont, Inc.	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Collected:**	06/01/2011
Sample Matrix:	Water	**Date Received:**	06/02/2011

Volatile Organic Compounds

Sample Name:	MW-02	**Units:**	ug/L
Lab Code:	K1104913-003	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methyl tert-Butyl Ether	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Benzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Toluene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/07/11	06/07/11	KWG1105110	
Ethylbenzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
m,p-Xylenes	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
o-Xylene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Naphthalene	ND	U	2.0	1	06/07/11	06/07/11	KWG1105110	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	99	73-122	06/07/11	Acceptable
Toluene-d8	103	78-129	06/07/11	Acceptable
4-Bromofluorobenzene	92	68-117	06/07/11	Acceptable

Comments:

Client:	Sierra Piedmont, Inc.	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Collected:**	06/01/2011
Sample Matrix:	Water	**Date Received:**	06/02/2011

Volatile Organic Compounds

Sample Name:	MW-03	**Units:**	ug/L
Lab Code:	K1104913-004	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methyl tert-Butyl Ether	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Benzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Toluene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/07/11	06/07/11	KWG1105110	
Ethylbenzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
m,p-Xylenes	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
o-Xylene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Naphthalene	ND	U	2.0	1	06/07/11	06/07/11	KWG1105110	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	99	73-122	06/07/11	Acceptable
Toluene-d8	102	78-129	06/07/11	Acceptable
4-Bromofluorobenzene	92	68-117	06/07/11	Acceptable

Comments:

Client:	Sierra Piedmont, Inc.	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Collected:**	06/01/2011
Sample Matrix:	Water	**Date Received:**	06/02/2011

Volatile Organic Compounds

Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	K1104913-005	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methyl tert-Butyl Ether	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Benzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Toluene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/07/11	06/07/11	KWG1105110	
Ethylbenzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
m,p-Xylenes	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
o-Xylene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Naphthalene	ND	U	2.0	1	06/07/11	06/07/11	KWG1105110	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	100	73-122	06/07/11	Acceptable
Toluene-d8	102	78-129	06/07/11	Acceptable
4-Bromofluorobenzene	92	68-117	06/07/11	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Sierra Piedmont, Inc.	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1105110-4	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methyl tert-Butyl Ether	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Benzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Toluene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/07/11	06/07/11	KWG1105110	
Ethylbenzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
m,p-Xylenes	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
o-Xylene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Naphthalene	ND	U	2.0	1	06/07/11	06/07/11	KWG1105110	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	98	73-122	06/07/11	Acceptable
Toluene-d8	103	78-129	06/07/11	Acceptable
4-Bromofluorobenzene	91	68-117	06/07/11	Acceptable

Comments

Client: Sierra Piedmont, Inc.
Project: UPS Yakima/UPSS10118.01
Sample Matrix: Water

Service Request: K1104913

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
MW-01	K1104913-001	100	103	93
MW-11	K1104913-002	101	104	93
MW-02	K1104913-003	99	103	92
MW-03	K1104913-004	99	102	92
Trip Blank	K1104913-005	100	102	92
Method Blank	KWG1105110-4	98	103	91
MW-01MS	KWG1105110-1	100	107	97
MW-01DMS	KWG1105110-2	98	107	98
Lab Control Sample	KWG1105110-3	100	106	97

Surrogate Recovery Control Limits (%)

Sur1 =	Dibromofluoromethane	73-122
Sur2 =	Toluene-d8	78-129
Sur3 =	4-Bromofluorobenzene	68-117

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: Sierra Piedmont, Inc.
Project: UPS Yakima/UPSS10118.01
Sample Matrix: Water

Service Request: K1104913
Date Extracted: 06/07/2011
Date Analyzed: 06/07/2011

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: MW-01
Lab Code: K1104913-001

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260C

Level: Low
Extraction Lot: KWG1105110

Analyte Name	Sample Result	MW-01MS KWG1105110-1 Matrix Spike			MW-01DMS KWG1105110-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Methyl tert-Butyl Ether	ND	10.5	10.0	105	10.7	10.0	107	60-132	3	30
Benzene	ND	11.7	10.0	117	11.2	10.0	112	69-126	4	30
1,2-Dichloroethane (EDC)	ND	11.7	10.0	117	11.6	10.0	116	65-126	0	30
Toluene	ND	11.8	10.0	118	11.4	10.0	114	66-128	3	30
1,2-Dibromoethane (EDB)	ND	10.7	10.0	107	10.6	10.0	106	66-121	1	30
Ethylbenzene	ND	11.6	10.0	116	11.2	10.0	112	65-126	4	30
m,p-Xylenes	ND	23.0	20.0	115	22.3	20.0	111	63-130	3	30
o-Xylene	ND	11.0	10.0	110	10.7	10.0	107	65-130	3	30
Naphthalene	ND	9.43	10.0	94	9.34	10.0	93	61-137	1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Sierra Piedmont, Inc.
Project: UPS Yakima/UPSS10118.01
Sample Matrix: Water

Service Request: K1104913
Date Extracted: 06/07/2011
Date Analyzed: 06/07/2011

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1105110

Analyte Name	Lab Control Sample KWG1105110-3 Lab Control Spike Result	Expected	%Rec	%Rec Limits
Methyl tert-Butyl Ether	9.86	10.0	99	64-125
Benzene	9.36	10.0	94	74-118
1,2-Dichloroethane (EDC)	10.7	10.0	107	69-125
Toluene	9.42	10.0	94	74-117
1,2-Dibromoethane (EDB)	10.0	10.0	100	71-120
Ethylbenzene	9.03	10.0	90	71-118
m,p-Xylenes	17.9	20.0	89	73-119
o-Xylene	8.94	10.0	89	74-120
Naphthalene	8.94	10.0	89	58-132

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Columbia Analytical Services, Inc.
1317 S. 13th Avenue, Kelso, WA 98626 | 360.577.7222 | 360.636.1068 (fax) | www.caslab.com

June 21, 2011 Analytical Report for Service Request No: K1104913

Daniel Agramonte
Sierra Piedmont
12045 Highway 92
Woodstock, GA 30188

RE: UPS Yakima/UPSS10118.01

Dear Daniel:

Enclosed are the results of the samples submitted to our laboratory on June 02, 2011. For your reference, these analyses have been assigned our service request number K1104913.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.caslab.com. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3281. You may also contact me via Email at MShelton@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Mike Shelton

Mike Shelton
Project Chemist

MS/jw

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.1 definition*: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.1 definition*: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.1 definition*: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Columbia Analytical Services, Inc.
Kelso, WA
State Certifications, Accreditations, and Licenses

Agency	Number
Alaska DEC UST	UST-040
Arizona DHS	AZ0339
Arkansas - DEQ	88-0637
California DHS	2286
Florida DOH	E87412
Hawaii DOH	-
Idaho DHW	-
Indiana DOH	C-WA-01
Louisiana DEQ	3016
Louisiana DHH	LA050010
Maine DHS	WA0035
Michigan DEQ	9949
Minnesota DOH	053-999-368
Montana DPHHS	CERT0047
Nevada DEP	WA35
New Jersey DEP	WA005
New Mexico ED	-
North Carolina DWQ	605
Oklahoma DEQ	9801
Oregon - DEQ	WA100010
South Carolina DHEC	61002
Washington DOE	C1203
Wisconsin DNR	998386840
Wyoming (EPA Region 8)	-

Case Narrative

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Sierra Piedmont	**Service Request No.:**	K1104913
Project:	UPS Yakima	**Date Received:**	6/2/11
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Laboratory Duplicate (DUP), Matrix Spike (MS), and Laboratory Control Sample (LCS).

Sample Receipt

Four water samples and a trip blank were received for analysis at Columbia Analytical Services on 6/2/11. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Total Metals

No anomalies associated with the analysis of these samples were observed.

Diesel Range Organics by EPA Method 8015B

No anomalies associated with the analysis of these samples were observed.

Gasoline Range Organics by EPA Method 8015B

No anomalies associated with the analysis of these samples were observed.

Volatile Organic Compounds by EPA Method 8260B

No anomalies associated with the analysis of these samples were observed.

Approved by Mike Slah **Date** 6/22/11

Chain of Custody

Columbia Analytical Services

24785 CHAIN OF CUSTODY

SR# K1104913

COC Set____ of____

Page 1 OF 1 COC#_____

1317 South 13th Ave, Kelso, WA 98626 | 360.577.7222 | 800.695.7222 | 360.636.1068 (fax)

Project Name	UST YAKIMA
Project Number	UPSS10118.01
Project Manager	BENJAMIN MOSS
Company Name	SIERRA PIEDMONT
Comany Address	12045 HIGHWAY 92
City/State/Zip	WOODSTOCK, GA 30188
E-Mail Address	bmoss@SIERRAPIEDMONT.com
Phone #	678-735-8827
FAX #	770-792-6005
Sampler Signature	

Sample ID	Date	Time	Lab ID	Matrix	Number of Containers	14D 8260B / VOC_FP	14D NWTPH-Dx / NW_TPH	14D NWTPH-Gx / NW_GAS	180D 6010C / Metals T				Remarks
1 MW-01	06-01-11	12:45		GW		✓	✓	✓	✓				1 MS/MSD from MW-01
2 MW-11	06-01-11	12:35		GW		✓	✓	✓	✓				2
3 MW-02	06-01-11	3:40		GW		✓	✓	✓	✓				3
4 MW-03	06-01-11	2:45		GW		✓	✓	✓	✓				4
5 MS/MSD	06-01-11	1:05		GW		✓	✓	✓	✓				5
6 *													6
7													7
8													8
9													9
10													10
11													11

Report Requirements

___ I. Routine Report: Method Blank, Surrogate, as required

___ II. Report Dup., MS, MSD as required

___ III. Data Validation Report (includes all raw data)

___ IV. CLP Deliverable Report

___ V. EDD

Invoice Information

P.O.# UPSS10118.01

Bill To: ~~12045 Sierra~~

12045 HIGHWAY 92

WOODSTOCK, GA 30189

Turnaround Requirements

___ 24 hr. ___ 48 hr.

___ 5 Day

___ Standard (10-15 working days)

___ Provide Fax Results

Requested Report Date

Circle which metals are to be analyzed

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Special Instructions/Comments:

*Indicate State Hydrocarbon Procedure: AK CA WI Northwest Other_____(Circle One)

REPRESENTS TWO COOLERS FOR THESE SAMPLES

* Recd 2 trips Not listed on COC BT 6/2/11

☐ Sample Shipment contains USDA regulated soil samples (check box if applicable)

Relinquished By:		Received By:		Relinquished By:		Received By:	
Signature	Date/Time	Signature	Date/Time 6/2/11 1030	Signature	Date/Time	Signature	Date/Time
Printed Name	Firm	Printed Name Brad Tilan	Firm CAS	Printed Name	Firm	Printed Name	Firm

8

Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form

PC Mike

Client / Project: Sierra Piedmont Service Request *K11* 4913

Received: 6/2/11 Opened: 6/2/11 By: BT Unloaded: 6/2/11 By: BT

1. Samples were received via? *Mail* *Fed Ex* (*UPS*) *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) (*Cooler*) *Box* *Envelope* *Other*_____ *NA*
3. Were custody seals on coolers? NA (Y) N If yes, how many and where? 1 front
   If present, were custody seals intact? (Y) N If present, were they signed and dated? (Y) N

Cooler Temp °C	Temp Blank °C	Thermometer ID	Cooler/COC ID (NA)	Tracking Number	NA	Filed
0.1	0.8	301		1Z973E590360514 2793		
0.8	2.7	265		1Z90X4203258988603		

7. Packing material used. (*Inserts*) (*Baggies*) (*Bubble Wrap*) (*Gel Packs*) (*Wet Ice*) *Sleeves* *Other*_____
8. Were custody papers properly filled out (ink, signed, etc.)? NA Y (N)
9. Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* NA (Y) N
10. Were all sample labels complete (i.e analysis, preservation, etc.)? NA (Y) N
11. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* NA (Y) N * BT 6/2/11
12. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N
13. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA (Y) N
14. Were VOA vials received without headspace? *Indicate in the table below.* NA (Y) N
15. Was C12/Res negative? (NA) Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, & Resolutions: COC not relinquished by client

* Rec'd 2 trips not listed on COC

Page 1 *of*____

Metals

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : Sierra Piedmont
Project Name : UPS Yakima
Project No. : UPSS10118.01

Service Request : K1104913

Sample Name :	Lab Code :
Batch QCD	K1104725-007D
Batch QCS	K1104725-007S
MW-01	K1104913-001
MW-11	K1104913-002
MW-02	K1104913-003
MW-03	K1104913-004
Laboratory Control Sample	K1104913-LCS
Method Blank	K1104913-MB

Comments:

Approved By: SC Date: 6/21/11

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Sierra Piedmont	**Service Request :**	K1104913
Project Name :	UPS Yakima	**Date Collected :**	06/01/11
Project No. :	UPSS10118.01	**Date Received :**	06/02/11
Matrix :	Water	**Date Extracted :**	06/03/11

Total Metals

Sample Name :	MW-01	**Units :**	ug/L (ppb)
Lab Code :	K1104913-001	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Lead	6010C	50	06/08/11	ND	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Sierra Piedmont	**Service Request :**	K1104913
Project Name :	UPS Yakima	**Date Collected :**	06/01/11
Project No. :	UPSS10118.01	**Date Received :**	06/02/11
Matrix :	Water	**Date Extracted :**	06/03/11

Total Metals

Sample Name :	MW-11	**Units :**	ug/L (ppb)
Lab Code :	K1104913-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Lead	6010C	50	06/08/11	ND	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Sierra Piedmont	**Service Request :**	K1104913
Project Name :	UPS Yakima	**Date Collected :**	06/01/11
Project No. :	UPSS10118.01	**Date Received :**	06/02/11
Matrix :	Water	**Date Extracted :**	06/03/11

Total Metals

Sample Name :	MW-02	**Units :**	ug/L (ppb)
Lab Code :	K1104913-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Lead	6010C	50	06/08/11	ND	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Sierra Piedmont	**Service Request :**	K1104913
Project Name :	UPS Yakima	**Date Collected :**	06/01/11
Project No. :	UPSS10118.01	**Date Received :**	06/02/11
Matrix :	Water	**Date Extracted :**	06/03/11

Total Metals

Sample Name :	MW-03	**Units :**	ug/L (ppb)
Lab Code :	K1104913-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Lead	6010C	50	06/08/11	ND	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Sierra Piedmont	**Service Request :**	K1104913
Project Name :	UPS Yakima	**Date Collected :**	NA
Project No. :	UPSS10118.01	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	06/03/11

Total Metals

Sample Name :	Method Blank	**Units :**	ug/L (ppb)
Lab Code :	K1104913-MB	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Lead	6010C	50	06/08/11	ND	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	Sierra Piedmont	**Service Request :**	K1104913
Project Name :	UPS Yakima	**Date Collected :**	NA
Project No. :	UPSS10118.01	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	06/03/11
		Date Analyzed :	06/08/11

Duplicate Summary
Total Metals

Sample Name :	Batch QCD	**Units :**	ug/L (ppb)
Lab Code :	K1104725-007D	**Basis :**	NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Lead	6010C	50	ND	ND	ND	-	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	Sierra Piedmont	**Service Request :**	K1104913
Project Name :	UPS Yakima	**Date Collected :**	NA
Project No. :	UPSS10118.01	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	06/03/11
		Date Analyzed :	06/08/11

Matrix Spike Summary
Total Metals

Sample Name :	Batch QCS	**Units :**	ug/L (ppb)
Lab Code :	K1104725-007S	**Basis :**	NA

Analyte	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Lead	50	500	ND	480	96	75-125	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	Sierra Piedmont	**Service Request :**	K1104913
Project Name :	UPS Yakima	**Date Collected :**	NA
Project No. :	UPSS10118.01	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	06/03/11
		Date Analyzed :	06/08/11

Laboratory Control Sample Summary
Total Metals

Sample Name :	Laboratory Control Sample	**Units :**	ug/L (ppb)
Lab Code :	K1104913-LCS	**Basis :**	NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Lead	6010C	2500	2550	102	80-120	

Comments:

Diesel and Residual Range Organics

Client:	Sierra Piedmont	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Collected:**	06/01/2011
Sample Matrix:	Water	**Date Received:**	06/02/2011

Diesel and Residual Range Organics

Sample Name:	MW-01	**Units:**	ug/L
Lab Code:	K1104913-001	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	NWTPH-Dx		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Diesel Range Organics (DRO)	ND	U	260	1	06/03/11	06/06/11	KWG1105047	
Residual Range Organics (RRO)	ND	U	520	1	06/03/11	06/06/11	KWG1105047	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
o-Terphenyl	97	50-150	06/06/11	Acceptable
n-Triacontane	96	50-150	06/06/11	Acceptable

Comments:

Client:	Sierra Piedmont	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Collected:**	06/01/2011
Sample Matrix:	Water	**Date Received:**	06/02/2011

Diesel and Residual Range Organics

Sample Name:	MW-11	**Units:**	ug/L
Lab Code:	K1104913-002	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	NWTPH-Dx		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Diesel Range Organics (DRO)	ND	U	260	1	06/03/11	06/06/11	KWG1105047	
Residual Range Organics (RRO)	ND	U	520	1	06/03/11	06/06/11	KWG1105047	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
o-Terphenyl	99	50-150	06/06/11	Acceptable
n-Triacontane	102	50-150	06/06/11	Acceptable

Comments:

Client:	Sierra Piedmont	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Collected:**	06/01/2011
Sample Matrix:	Water	**Date Received:**	06/02/2011

Diesel and Residual Range Organics

Sample Name:	MW-02	**Units:**	ug/L
Lab Code:	K1104913-003	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	NWTPH-Dx		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Diesel Range Organics (DRO)	ND	U	260	1	06/03/11	06/06/11	KWG1105047	
Residual Range Organics (RRO)	ND	U	520	1	06/03/11	06/06/11	KWG1105047	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
o-Terphenyl	92	50-150	06/06/11	Acceptable
n-Triacontane	97	50-150	06/06/11	Acceptable

Comments:

Client:	Sierra Piedmont	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Collected:**	06/01/2011
Sample Matrix:	Water	**Date Received:**	06/02/2011

Diesel and Residual Range Organics

Sample Name:	MW-03	**Units:**	ug/L
Lab Code:	K1104913-004	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	NWTPH-Dx		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Diesel Range Organics (DRO)	ND	U	260	1	06/03/11	06/06/11	KWG1105047	
Residual Range Organics (RRO)	ND	U	520	1	06/03/11	06/06/11	KWG1105047	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
o-Terphenyl	97	50-150	06/06/11	Acceptable
n-Triacontane	101	50-150	06/06/11	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Sierra Piedmont	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Diesel and Residual Range Organics

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1105047-5	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	NWTPH-Dx		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Diesel Range Organics (DRO)	ND	U	250	1	06/03/11	06/06/11	KWG1105047	
Residual Range Organics (RRO)	ND	U	500	1	06/03/11	06/06/11	KWG1105047	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
o-Terphenyl	96	50-150	06/06/11	Acceptable
n-Triacontane	98	50-150	06/06/11	Acceptable

Comments:

Client: Sierra Piedmont
Project: UPS Yakima/UPSS10118.01
Sample Matrix: Water

Service Request: K1104913

Surrogate Recovery Summary
Diesel and Residual Range Organics

Extraction Method: Method
Analysis Method: NWTPH-Dx

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2
MW-01	K1104913-001	97	96
MW-11	K1104913-002	99	102
MW-02	K1104913-003	92	97
MW-03	K1104913-004	97	101
Batch QC	K1104933-001	91	97
Batch QCDUP	KWG1105047-3	84	85
Method Blank	KWG1105047-5	96	98
MW-01MS	KWG1105047-1	98	94
MW-01DMS	KWG1105047-2	92	89
Lab Control Sample	KWG1105047-4	97	94

Surrogate Recovery Control Limits (%)

Sur1 =	o-Terphenyl	50-150
Sur2 =	n-Triacontane	50-150

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client:	Sierra Piedmont	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Extracted:**	06/03/2011
Sample Matrix:	Water	**Date Analyzed:**	06/06/2011

Matrix Spike/Duplicate Matrix Spike Summary
Diesel and Residual Range Organics

Sample Name:	MW-01	**Units:**	ug/L
Lab Code:	K1104913-001	**Basis:**	NA
Extraction Method:	Method	**Level:**	Low
Analysis Method:	NWTPH-Dx	**Extraction Lot:**	KWG1105047

Analyte Name	Sample Result	MW-01MS KWG1105047-1 Matrix Spike			MW-01DMS KWG1105047-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Diesel Range Organics (DRO)	ND	3350	3270	102	3160	3270	97	28-176	6	30
Residual Range Organics (RRO)	ND	1630	1630	100	1580	1630	97	45-140	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Sierra Piedmont
Project: UPS Yakima/UPSS10118.01
Sample Matrix: Water

Service Request: K1104913
Date Extracted: 06/03/2011
Date Analyzed: 06/06/2011

Duplicate Sample Summary
Diesel and Residual Range Organics

Sample Name: Batch QC
Lab Code: K1104933-001

Units: ug/L
Basis: NA

Extraction Method: Method
Analysis Method: NWTPH-Dx

Level: Low
Extraction Lot: KWG1105047

Analyte Name	MRL	Sample Result	Batch QCDUP KWG1105047-3 Duplicate Sample Result	Average	Relative Percent Difference	RPD Limit
Diesel Range Organics (DRO)	270	ND	ND	ND	-	30
Residual Range Organics (RRO)	530	ND	ND	ND	-	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client:	Sierra Piedmont	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Extracted:**	06/03/2011
Sample Matrix:	Water	**Date Analyzed:**	06/06/2011

Lab Control Spike Summary
Diesel and Residual Range Organics

Extraction Method:	Method	**Units:**	ug/L
Analysis Method:	NWTPH-Dx	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1105047

	Lab Control Sample KWG1105047-4 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Diesel Range Organics (DRO)	3130	3200	98	46-140
Residual Range Organics (RRO)	1530	1600	96	45-159

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Gasoline Range Organics

Client:	Sierra Piedmont	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Collected:**	06/01/2011
Sample Matrix:	Water	**Date Received:**	06/02/2011

Gasoline Range Organics

Sample Name:	MW-01	**Units:**	ug/L
Lab Code:	K1104913-001	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	NWTPH-Gx		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Gasoline Range Organics-NWTPH	ND	U	250	1	06/09/11	06/09/11	KWG1105374	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Difluorobenzene	88	50-150	06/09/11	Acceptable

Comments:

Client:	Sierra Piedmont	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Collected:**	06/01/2011
Sample Matrix:	Water	**Date Received:**	06/02/2011

Gasoline Range Organics

Sample Name:	MW-11	**Units:**	ug/L
Lab Code:	K1104913-002	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	NWTPH-Gx		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Gasoline Range Organics-NWTPH	ND	U	250	1	06/09/11	06/09/11	KWG1105374	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Difluorobenzene	88	50-150	06/09/11	Acceptable

Comments:

Client:	Sierra Piedmont	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Collected:**	06/01/2011
Sample Matrix:	Water	**Date Received:**	06/02/2011

Gasoline Range Organics

Sample Name:	MW-02	**Units:**	ug/L
Lab Code:	K1104913-003	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	NWTPH-Gx		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Gasoline Range Organics-NWTPH	ND	U	250	1	06/09/11	06/09/11	KWG1105374	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Difluorobenzene	88	50-150	06/09/11	Acceptable

Comments:

Client:	Sierra Piedmont	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Collected:**	06/01/2011
Sample Matrix:	Water	**Date Received:**	06/02/2011

Gasoline Range Organics

Sample Name:	MW-03	**Units:**	ug/L
Lab Code:	K1104913-004	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	NWTPH-Gx		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Gasoline Range Organics-NWTPH	ND	U	250	1	06/09/11	06/09/11	KWG1105374	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Difluorobenzene	88	50-150	06/09/11	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Sierra Piedmont	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Gasoline Range Organics

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1105374-3	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	NWTPH-Gx		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Gasoline Range Organics-NWTPH	ND	U	250	1	06/09/11	06/09/11	KWG1105374	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Difluorobenzene	88	50-150	06/09/11	Acceptable

Comments:

Client: Sierra Piedmont
Project: UPS Yakima/UPSS10118.01
Sample Matrix: Water

Service Request: K1104913

Surrogate Recovery Summary
Gasoline Range Organics

Extraction Method: EPA 5030B
Analysis Method: NWTPH-Gx

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1
MW-01	K1104913-001	88
MW-11	K1104913-002	88
MW-02	K1104913-003	88
MW-03	K1104913-004	88
MW-01DUP	KWG1105374-1	88
Method Blank	KWG1105374-3	88
Lab Control Sample	KWG1105374-2	91

Surrogate Recovery Control Limits (%)

Sur1 = 1,4-Difluorobenzene	50-150

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Sierra Piedmont
Project: UPS Yakima/UPSS10118.01
Sample Matrix: Water

Service Request: K1104913
Date Extracted: 06/09/2011
Date Analyzed: 06/09/2011

Duplicate Sample Summary
Gasoline Range Organics

Sample Name: MW-01
Lab Code: K1104913-001

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: NWTPH-Gx

Level: Low
Extraction Lot: KWG1105374

Analyte Name	MRL	Sample Result	MW-01DUP KWG1105374-1 Duplicate Sample Result	Average	Relative Percent Difference	RPD Limit
Gasoline Range Organics-NWTPH	250	ND	ND	ND	-	30

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client:	Sierra Piedmont	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Extracted:**	06/09/2011
Sample Matrix:	Water	**Date Analyzed:**	06/09/2011

Lab Control Spike Summary
Gasoline Range Organics

Extraction Method:	EPA 5030B	**Units:**	ug/L
Analysis Method:	NWTPH-Gx	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1105374

	Lab Control Sample KWG1105374-2 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Gasoline Range Organics-NWTPH	433	500	87	80-119

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Volatile Organic Compounds

Client: Sierra Piedmont
Project: UPS Yakima/UPSS10118.01
Sample Matrix: Water

Service Request: K1104913
Date Collected: 06/01/2011
Date Received: 06/02/2011

Volatile Organic Compounds

Sample Name: MW-01
Lab Code: K1104913-001

Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methyl tert-Butyl Ether	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Benzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Toluene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/07/11	06/07/11	KWG1105110	
Ethylbenzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
m,p-Xylenes	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
o-Xylene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	100	73-122	06/07/11	Acceptable
Toluene-d8	103	78-129	06/07/11	Acceptable
4-Bromofluorobenzene	93	68-117	06/07/11	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Sierra Piedmont	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Collected:**	06/01/2011
Sample Matrix:	Water	**Date Received:**	06/02/2011

Volatile Organic Compounds

Sample Name:	MW-11	**Units:**	ug/L
Lab Code:	K1104913-002	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methyl tert-Butyl Ether	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Benzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Toluene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/07/11	06/07/11	KWG1105110	
Ethylbenzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
m,p-Xylenes	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
o-Xylene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	101	73-122	06/07/11	Acceptable
Toluene-d8	104	78-129	06/07/11	Acceptable
4-Bromofluorobenzene	93	68-117	06/07/11	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Sierra Piedmont	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Collected:**	06/01/2011
Sample Matrix:	Water	**Date Received:**	06/02/2011

Volatile Organic Compounds

Sample Name:	MW-02	**Units:**	ug/L
Lab Code:	K1104913-003	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methyl tert-Butyl Ether	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Benzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Toluene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/07/11	06/07/11	KWG1105110	
Ethylbenzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
m,p-Xylenes	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
o-Xylene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	99	73-122	06/07/11	Acceptable
Toluene-d8	103	78-129	06/07/11	Acceptable
4-Bromofluorobenzene	92	68-117	06/07/11	Acceptable

Comments:

Client: Sierra Piedmont
Project: UPS Yakima/UPSS10118.01
Sample Matrix: Water

Service Request: K1104913
Date Collected: 06/01/2011
Date Received: 06/02/2011

Volatile Organic Compounds

Sample Name: MW-03
Lab Code: K1104913-004

Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methyl tert-Butyl Ether	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Benzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Toluene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/07/11	06/07/11	KWG1105110	
Ethylbenzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
m,p-Xylenes	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
o-Xylene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	99	73-122	06/07/11	Acceptable
Toluene-d8	102	78-129	06/07/11	Acceptable
4-Bromofluorobenzene	92	68-117	06/07/11	Acceptable

Comments:

Client: Sierra Piedmont
Project: UPS Yakima/UPSS10118.01
Sample Matrix: Water

Service Request: K1104913
Date Collected: 06/01/2011
Date Received: 06/02/2011

Volatile Organic Compounds

Sample Name: Trip Blank
Lab Code: K1104913-005

Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methyl tert-Butyl Ether	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Benzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Toluene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/07/11	06/07/11	KWG1105110	
Ethylbenzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
m,p-Xylenes	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
o-Xylene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	100	73-122	06/07/11	Acceptable
Toluene-d8	102	78-129	06/07/11	Acceptable
4-Bromofluorobenzene	92	68-117	06/07/11	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Sierra Piedmont	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG1105110-4	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Methyl tert-Butyl Ether	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Benzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dichloroethane (EDC)	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
Toluene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	06/07/11	06/07/11	KWG1105110	
Ethylbenzene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
m,p-Xylenes	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	
o-Xylene	ND	U	0.50	1	06/07/11	06/07/11	KWG1105110	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	98	73-122	06/07/11	Acceptable
Toluene-d8	103	78-129	06/07/11	Acceptable
4-Bromofluorobenzene	91	68-117	06/07/11	Acceptable

Comments:

Client: Sierra Piedmont
Project: UPS Yakima/UPSS10118.01
Sample Matrix: Water

Service Request: K1104913

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
MW-01	K1104913-001	100	103	93
MW-11	K1104913-002	101	104	93
MW-02	K1104913-003	99	103	92
MW-03	K1104913-004	99	102	92
Trip Blank	K1104913-005	100	102	92
Method Blank	KWG1105110-4	98	103	91
MW-01MS	KWG1105110-1	100	107	97
MW-01DMS	KWG1105110-2	98	107	98
Lab Control Sample	KWG1105110-3	100	106	97

Surrogate Recovery Control Limits (%)

Sur1	= Dibromofluoromethane	73-122
Sur2	= Toluene-d8	78-129
Sur3	= 4-Bromofluorobenzene	68-117

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: Sierra Piedmont
Project: UPS Yakima/UPSS10118.01
Sample Matrix: Water

Service Request: K1104913
Date Extracted: 06/07/2011
Date Analyzed: 06/07/2011

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: MW-01
Lab Code: K1104913-001

Extraction Method: EPA 5030B
Analysis Method: 8260C

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: KWG1105110

Analyte Name	Sample Result	MW-01MS KWG1105110-1 Matrix Spike			MW-01DMS KWG1105110-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Methyl tert-Butyl Ether	ND	10.5	10.0	105	10.7	10.0	107	60-132	3	30
Benzene	ND	11.7	10.0	117	11.2	10.0	112	69-126	4	30
1,2-Dichloroethane (EDC)	ND	11.7	10.0	117	11.6	10.0	116	65-126	0	30
Toluene	ND	11.8	10.0	118	11.4	10.0	114	66-128	3	30
1,2-Dibromoethane (EDB)	ND	10.7	10.0	107	10.6	10.0	106	66-121	1	30
Ethylbenzene	ND	11.6	10.0	116	11.2	10.0	112	65-126	4	30
m,p-Xylenes	ND	23.0	20.0	115	22.3	20.0	111	63-130	3	30
o-Xylene	ND	11.0	10.0	110	10.7	10.0	107	65-130	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Sierra Piedmont	**Service Request:**	K1104913
Project:	UPS Yakima/UPSS10118.01	**Date Extracted:**	06/07/2011
Sample Matrix:	Water	**Date Analyzed:**	06/07/2011

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method:	EPA 5030B	**Units:**	ug/L
Analysis Method:	8260C	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG1105110

	Lab Control Sample KWG1105110-3 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Methyl tert-Butyl Ether	9.86	10.0	99	64-125
Benzene	9.36	10.0	94	74-118
1,2-Dichloroethane (EDC)	10.7	10.0	107	69-125
Toluene	9.42	10.0	94	74-117
1,2-Dibromoethane (EDB)	10.0	10.0	100	71-120
Ethylbenzene	9.03	10.0	90	71-118
m,p-Xylenes	17.9	20.0	89	73-119
o-Xylene	8.94	10.0	89	74-120

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.