



826 21 ½ Road  
Grand Junction, CO 81505  
T: 970.263.7800  
F: 970.263.7456

November 6, 2007

EnCana Oil & Gas (USA) Inc.  
370 17th St., Suite 1700  
Denver, CO 80202  
Attn: Mr. Chris Williams

Dear Mr. Williams:

Cordilleran Compliance Services, Inc. (Cordilleran) has been retained by EnCana Oil & Gas (USA) Inc. (EnCana) to perform technical environmental services including; quarterly groundwater monitoring, surface-water assessment, and remediation of groundwater that has been impacted by dissolved phase volatile hydrocarbons comprised primarily of methane and benzene in the area of the West Divide Creek Gas Seep (Figure 1).

The objective of the continued operation of the remediation system and quarterly water sampling is to mitigate and control migration of the dissolved phase hydrocarbons in the down gradient direction and into nearby Divide Creek and surrounding area groundwater wells, and to treat the hydrocarbons.

This report summarizes the results of surface-water and groundwater monitoring in September 2007 at the seep site in a continued effort to monitor the possible migration of the benzene plume.

#### *Groundwater and Surface-Water Monitoring*

Water quality samples collected during this period were analyzed by Evergreen Analytical Laboratory (EAL) of Wheat Ridge, CO for the following analysis:

- BTEX/MTBE using EPA method 8021
- Dissolved methane using method RSK 175M
- Chloride (Cl) using method 300E
- Sodium (Na) using method SW6020
- pH using EPA method 150.1
- Total dissolved solids (TDS) using method SM240C
- Specific conductivity using method SM251B.

Isotopic methane was determined by Isotech Laboratories, Inc of Champaign, IL. Stable isotopes of carbon and hydrogen in methane and stable isotopes of carbon in ethane and propane and gas composition were determined where dissolved gasses were sufficient.

Cordilleran collected groundwater samples from twenty-four monitoring wells during September 2007. Twenty of these monitoring wells are located on the Langegger property, one well is located on the Thompson property, and three wells are located on the Eicher property. Groundwater samples and field parameters (temperature, specific conductance, dissolved oxygen, pH, total dissolved solids and turbidity), were collected from September 10, 2007 through September 13, 2007 from monitoring wells (MW-1, 2, 4, 6-9, 11-18, 20-27) (Figure 1). Prior to sample collection, static water levels were measured in monitoring wells to within 0.01 feet (ft) from the top of the PVC casing using an electronic water level indicator. Groundwater elevations are graphically illustrated in Figure 2. A total of three casing volumes were removed prior to sampling each well using dedicated disposable bailers with bottom loading valve assemblies. Field parameters were obtained at the completion of purging activities (Appendix A). Groundwater samples were collected following field parameter measurements.

Cordilleran collected eight surface-water samples (DCS-1-8) and field parameters (temperature, specific conductance (SpC), dissolved oxygen, pH, total dissolved solids, and turbidity) from the West Divide Creek located on the Langegger property on September 13, 2007. Groundwater and surface-water samples were placed in the appropriate sample containers provided by EAL, labeled, stored on ice, and delivered under chain-of-custody procedures to EAL. Groundwater and surface-water samples were analyzed for benzene, toluene, ethylbenzene, total xylenes, methyl tertiary-butyl ether, dissolved methane, chloride, sodium, total dissolved solids, and specific conductivity (SpC).

#### Site Hydrogeology and Hydrology

In the vicinity of the seep area, groundwater was encountered at depths ranging from surface level to 24.95 feet below ground surface (ft-bgs). The groundwater flow direction continues to be from the seep area towards the north, mimicking the creek flow direction. The shallow, unconfined groundwater is in communication with surface water of West Divide Creek from the east side of the creek and discharges to groundwater on the west side of the creek, and is generally of good quality. Groundwater found in the area, east of West Divide Creek is influenced by springs that originate from unlined irrigation ditches located on the mesa to the east.

The groundwater flow velocity was determined to be 0.021 feet/foot (ft/ft), which is consistent with other observed groundwater velocities for September. The interaction between groundwater and the creek based on water level measurements to evaluate water gain/loss was determined by measuring water levels in the stream and piezometers on the stream banks. The results generally indicate that the creek is losing water to groundwater on the west side of the creek and the creek is gaining water from the wetlands east of the creek.

The flow in the creek during September is generally lower in water due to the low runoff in fall. During September, the south-east side of the study area, primarily within the vicinity of the wetlands near monitoring wells 19 and 25 the area, was flooded and surface water is mixing with the groundwater within this area; therefore the hydraulic head was higher than average within this area.

### Benzene

Monitoring wells 2, 4, 9, 12 and 17 have benzene concentrations of  $260\ \mu\text{g}/\text{l}$ ,  $170\ \mu\text{g}/\text{l}$ ,  $4.2\ \mu\text{g}/\text{l}$ ,  $5.4\ \mu\text{g}/\text{l}$  and  $30\ \mu\text{g}/\text{l}$  respectively. Monitoring wells 2, 4, 12 and 17 have benzene concentrations exceeding the Colorado Basic Ground Water Quality (CBGWQ) standard of  $5\ \mu\text{g}/\text{l}$ . The laboratory results for benzene concentrations for each monitoring well are summarized in Table 1 in Appendix A. Benzene concentrations are graphically illustrated in Figure 3. No other monitoring wells showed benzene concentration above the standard. The size of the area underlain by groundwater that is impacted by benzene at concentrations above  $1.0\ \mu\text{g}/\text{l}$  is approximately  $109,297\ \text{ft}^2$ .

### Toluene

Toluene was not detected above the lower laboratory detection limit (LDL)  $2\ \mu\text{g}/\text{l}$  in any monitoring wells during September of 2007 (Table 1).

### Ethylbenzene

Ethylbenzene was present in MW-2 and MW-4 at a concentration of  $8.1\ \mu\text{g}/\text{l}$  and  $4.8\ \mu\text{g}/\text{l}$  respectively. This concentration is below the CBGWQ standard of  $680\ \mu\text{g}/\text{l}$ . Ethylbenzene was not detected in any other monitoring wells (Table 1).

### Total Xylenes

Total Xylenes were present in wells MW-2, MW-4, and MW-9 at concentrations of  $51.2\ \mu\text{g}/\text{l}$  and  $57.9\ \mu\text{g}/\text{l}$ , and  $2.4\ \mu\text{g}/\text{l}$  respectively. These concentrations are below the CBGWQ groundwater standard of  $10,000\ \mu\text{g}/\text{l}$ . Total xylenes were not detected in any other monitoring wells. The laboratory results for total xylenes concentrations are summarized in Table 1.

### MTBE

Laboratory results indicate that MTBE (methyl tertiary-butyl ether) was not present above the LDL  $4\ \mu\text{g}/\text{l}$  in the groundwater samples collected in the monitoring area during September 2007 (Table 1).

### Methane

Total dissolved methane concentrations in groundwater have decreased since the start up of the air sparge system in the area of MW-1, MW-6, MW-7, and MW-8. Total dissolved methane above the LDL was detected in monitoring wells MW-1, 2, 4, 9, 11-14, 16-18, 21-26 and Eicher well (E2). In general, the highest concentrations of dissolved methane in the groundwater are located near the seep. Total dissolved methane concentrations are graphically illustrated in Figure 4. In the remaining wells, dissolved methane was not detected above the LDL. Total dissolved methane is summarized in Table 1.

### *Thermogenic Methane*

The laboratory results for methane were reported as total dissolved methane. This included both biogenic (methane gas generated by biologic reduction of organic matter) and thermogenic methane (methane gas generated by thermal reduction of deeply buried organic matter). Using the reported total dissolved methane concentration, the concentration of thermogenic methane was calculated. Hydrocarbon gas from 'biogenic only' sources contains a high proportion of methane (>99%) and has characteristic carbon and hydrogen isotopes ratios. Typically, thermogenic methane is indicated by isotope ratios that are less negative than ratios for biogenic methane. To estimate the fraction of total methane in a water sample that can be attributed to thermogenic sources, an algebraic mixing calculation was used after the data were evaluated on the basis of the laboratory-determined values of methane carbon-13 isotope ratio ( $\delta^{13}C_1$ ), methane hydrogen isotope ratio ( $\delta DC_1$ ) and ratio of methane to ethane and propane ( $C_1 / C_2 + C_3$ ).

Initially 'biogenic-only' sources are easily identified by comparing the laboratory data to literature values of the parameters discussed above. The methane fraction of a 'reservoir-typical' thermogenic source (79%) is used as a baseline in the mixing calculations. The biogenic source is assumed to be 100% methane and then an algebraic mixing calculation is used to determine what percentage of the total methane comes for biogenic versus thermogenic sources.

Isotopic samples were collected from monitoring wells 2, 4, 9, 12, 14, 16, 17 and 18 during September 2007 sampling. These wells have shown high concentration of dissolved methane in the past. The remaining wells have showed low concentrations of dissolved methane. A compilation of isotopic data was analyzed from September 2004 to September 2007 for all monitoring stations with significant amount of methane to understand the thermogenic methane in the subsurface. Graphical results (Figures 5-7) indicate that thermogenic methane has fluctuated but remained the same in the area upgradient of the remediation system and near the seep. Thermogenic methane concentrations have dropped dramatically downgradient of the seep and within the remediation system.

### Surface-Water Quality

Laboratory results indicate that BTEX/MTBE compounds were not detected in any of the Divide Creek surface-water samples. Dissolved methane was detected in all samples excluding DCS1; all with concentrations measuring less than 1.0 mg/l (Table 1). The only area where thermogenic methane is present is within and near the vicinity of the seep. DCS-2 had a thermogenic methane concentration of 0.578 mg/l. A compilation of isotopic data was analyzed from September 2004 to September 2007 for DCS-2 and DCS-3 (Figure 7). Graphical results indicate that thermogenic methane has dropped considerably within and down stream of the seep at DCS-2 and DCS-3; although during June 2007 an increase in thermogenic methane in DCS-2 was observed (See Figure 7). Isotopic results for September 2007 indicate that thermogenic methane within and down stream of the seep win Divide Creek are at an all time low.



### Inorganic Results

Monitoring well and surface-water results for inorganic constituents, chloride (Cl), sodium (Na), total dissolved solids (TDS), pH, and specific conductance (SpC) are shown in Appendix A. The Divide Creek study area water continues to be high in TDS and sodium which can be attributed to the high amount of dissolved solids within the Wasatch Formation groundwater. Chloride, specific conductivity, and pH are within normal ranges as previously observed during other monitoring periods. To fully understand the interconnection between the groundwater and West Divide Creek an extended (alkalinity, cations and anions) analysis would be necessary.

### QA/QC

Laboratory and field quality assurance and quality control (QA/QC) consisted of analyzing duplicate samples, matrix spikes and duplicate analyses. For quality assurance, duplicate water samples were acquired at an approximate rate of 1 for every 20 samples. In addition replicate/split samples were also obtained at an approximate rate of 1 for every 20 samples. Replicate/split samples were sent to ESN Rocky Mountain, Golden, Colorado. During September 2007 sampling event two duplicate and two replicate/split samples were obtained. Analytical results indicate insignificant differences between actual and replicate samples. Laboratory analytical reports and chain-of-custody forms are included in Appendix B.

### Divide Creek Seep Status

The air sparge remediation system has operated continuously throughout the quarter with minimal down time. Since the start up of the system in April of 2004, the number of monitoring stations with benzene concentrations above the maximum contaminant level (MCL) in the area has been reduced from 14 to 4. The size of the area underlain by groundwater that is impacted by benzene concentrations above  $1.0 \mu\text{g}/\text{l}$  has been reduced from 134,974  $\text{ft}^2$  in June of 2005 to approximately 109,297  $\text{ft}^2$  in September of 2007, a total reduction of 25,677  $\text{ft}^2$ . The size of the area underlain by groundwater that is impacted by benzene concentrations that exceeds the CBGWQ standard of  $5 \mu\text{g}/\text{l}$  is approximately 66,557  $\text{ft}^2$ . Benzene was not detected in any well located within or down gradient of the remediation system during the September 2007 sampling event. Benzene greater than  $5 \mu\text{g}/\text{l}$  in the groundwater is primarily located within 250 feet of the seep (Figure 3). Thermogenic methane has fluctuated but remained the same in the vicinity of the seep. Thermogenic methane concentrations have dropped significantly down stream of the seep and in area of the remediation system. BTEX/MTBE was not detected in the surface-water samples. Dissolved methane was not detected above  $1.0 \text{mg}/\text{l}$  in the surface water samples. Dissolved methane in the groundwater greater than  $1.0 \text{mg}/\text{l}$  is predominantly found within 200 feet of the seep. Thermogenic methane was present at two stations within West Divide Creek DCS-2 and DCS-3 near the seep at a low concentration of  $0.011 \text{mg}/\text{l}$  and  $0.001 \text{mg}/\text{l}$  respectively.

The size of the plume comprised primarily of methane and benzene has decreased since the start of the air sparge remediation system and dissolved oxygen concentrations have increased since the implementation. Therefore, the remediation system has been effectively mitigating the

chemicals of concern within the area of the treatment wells. A negative thermogenic methane trend is apparent in monitoring wells (2, 4, 9, 12, 17, and 18). Cordilleran will begin to reduce remediation treatment time in order to optimize the system in December 2007. If benzene is detected above the LDL during this time at well MW-7, the system will be returned to full treatment time. It is expected that the treatment time will be reduced from 24hr/day to 12hr/day.

Cordilleran has evaluated the remediation system extension to include the area from MW-4 to MW-17, which have shown benzene concentrations exceeding the standard. Fluctuations of BTEX will continue to occur without the extension of the sparge system. Increasing the oxygen content within the effected area will increase the microbial decay of the plume; therefore, extending the system will influence BTEX and thermogenic methane mitigation in a shorter period of time. The addition of added sparge wells will further aid in the process of reducing the plume size and mitigating the seep.

Comprehensive monitoring and remediation has been implemented since April 2004. Monitoring of all springs, ponds, monitoring wells, and West Divide Creek has continuously shown that the air sparge remediation system has successfully confined the hydrocarbon plume. Cordilleran has reviewed 42 months of data collected since the West Divide Creek Gas Seep discovery in March of 2004. Figure 8 illustrates BTEX and methane concentrations detected in the seep area from December 2006 to September 2007. A number of monitoring wells (11, 13, 15, 18, 19, 20, 21, 22, 23, 24, 25, 26 and 27) and West Divide Creek Monitoring Stations (DCS-1, 6, 7, 8) have not shown BTEX/MTBE concentrations above the detection limits for the past 42 months. Cordilleran is waiting on approval from COGCC that monitoring stations (MW-11, 13, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, DCS-6, 7 and 8) be sampled on a bi-annual basis, and water analysis for all monitoring stations will consist of BTEX/MTBE and methane. All remaining monitoring stations (MW-1, 2, 4, 6, 7, 8, 9, 12, 14, 15, 16, 17, DCS-1, 2, 3, 4 and 5) will continue to be sampled on a quarterly basis. Water levels will continue to be measured each quarter. Due to the site hydrology and continued operation of the remediation system benzene migration downgradient of the system is unlikely.

Cordilleran appreciates the opportunity to provide services to EnCana Oil & Gas (USA) Inc. If you have any questions or concerns regarding this information, please contact our offices.

Sincerely,  
***Cordilleran Compliance Services, Inc.***

Prepared by:

Scotty Mann  
Field Technician

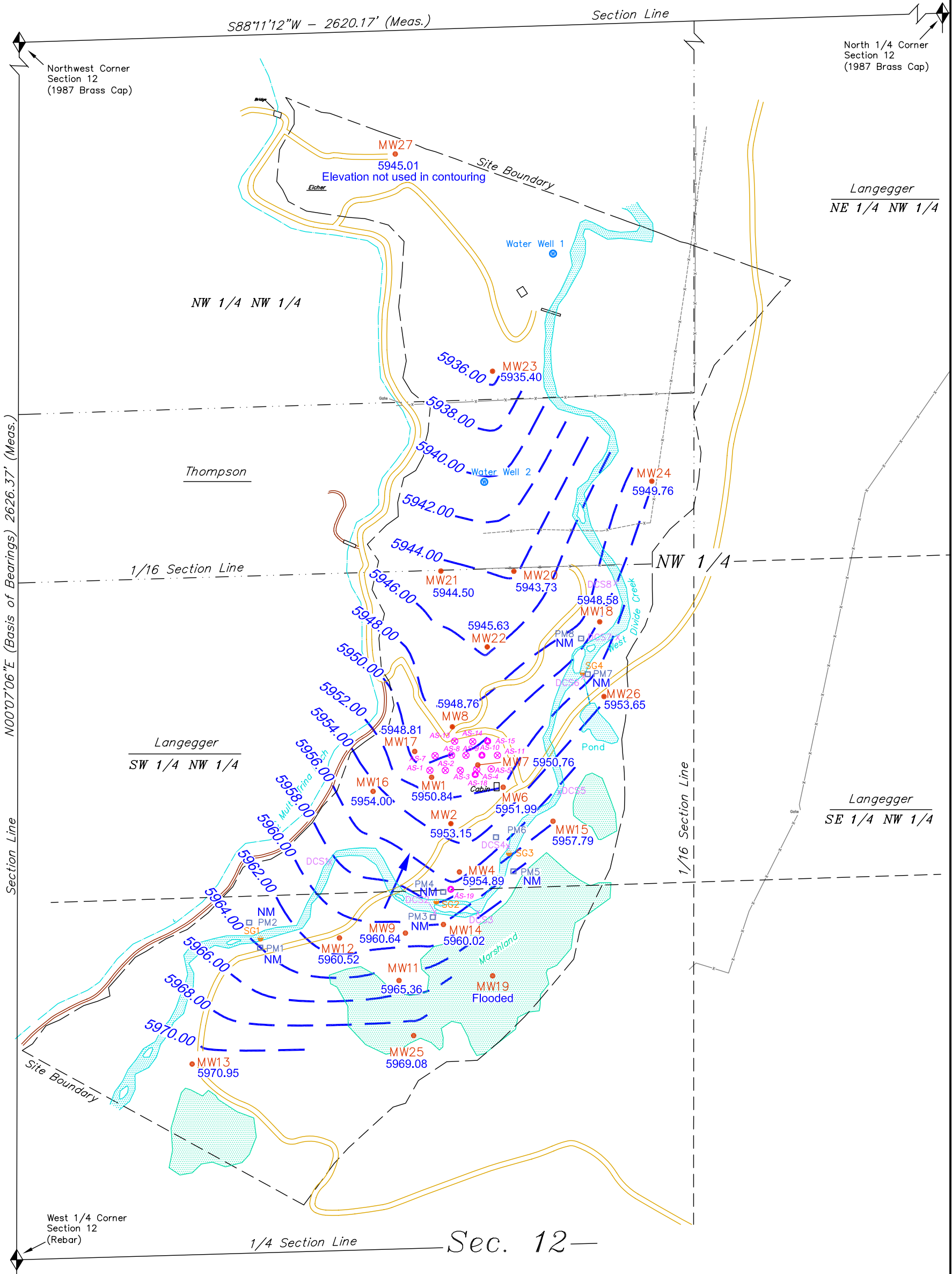
Reviewed by

Dion Plsek, P.E  
Principal Engineer

Brad Stephenson, P.G.  
Associate Hydrogeologist

## FIGURES





LEGEND

- SECTION CORNERS FOUND
- FENCE
- OLD FENCE
- PROPERTY LINE
- DRAINAGE
- STREAM GAUGE
- GROUNDWATER ELEVATION CONTOUR (FEET)
- GROUNDWATER ELEVATION (FEET)
- GROUNDWATER FLOW DIRECTION
- PIEZOMETER
- DIVIDE CREEK SAMPLE
- AIR SPARGE WELL LOCATION
- NESTED AIR SPARGE WELL LOCATION
- MONITORING WELL

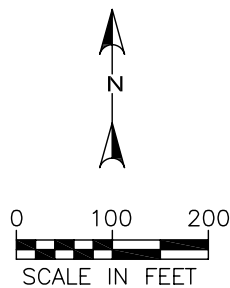
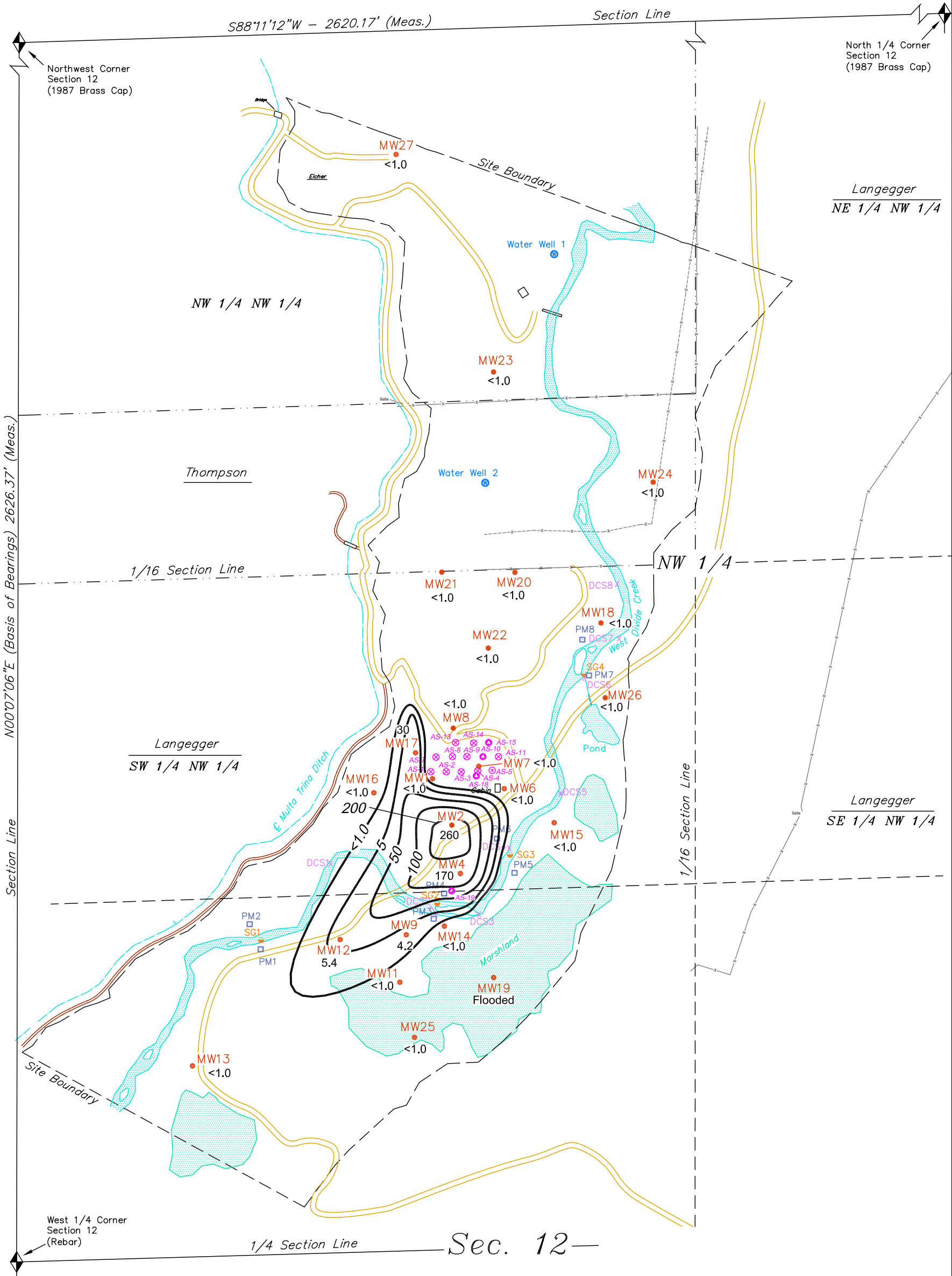


FIGURE 2

WEST DIVIDE CREEK SEEP AREA  
GROUNDWATER ELEVATION MAP  
SEPTEMBER 2007  
GARFIELD COUNTY, COLORADO

REVISION DATE:	10/18/07
REVISION NUMBER:	00#
DRAWN BY:	RMC
APPROVED BY:	BS
PROJECT #	E05369
SCALE:	AS SHOWN

**CORDILLERAN**



LEGEND

- SECTION CORNERS FOUND
- FENCE
- OLD FENCE
- PROPERTY LINE
- DRAINAGE
- STREAM GAUGE
- BENZENE CONCENTRATION CONTOUR IN µg/L
- 110 = BENZENE CONCENTRATION IN µg/L
- NS = NOT SAMPLED
- PIEZOMETER
- DIVIDE CREEK SAMPLE
- AIR SPARGE WELL LOCATION
- NESTED AIR SPARGE WELL LOCATION
- MONITORING WELL

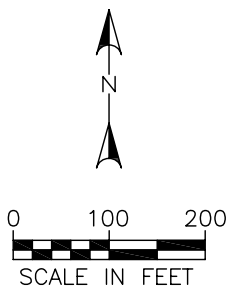
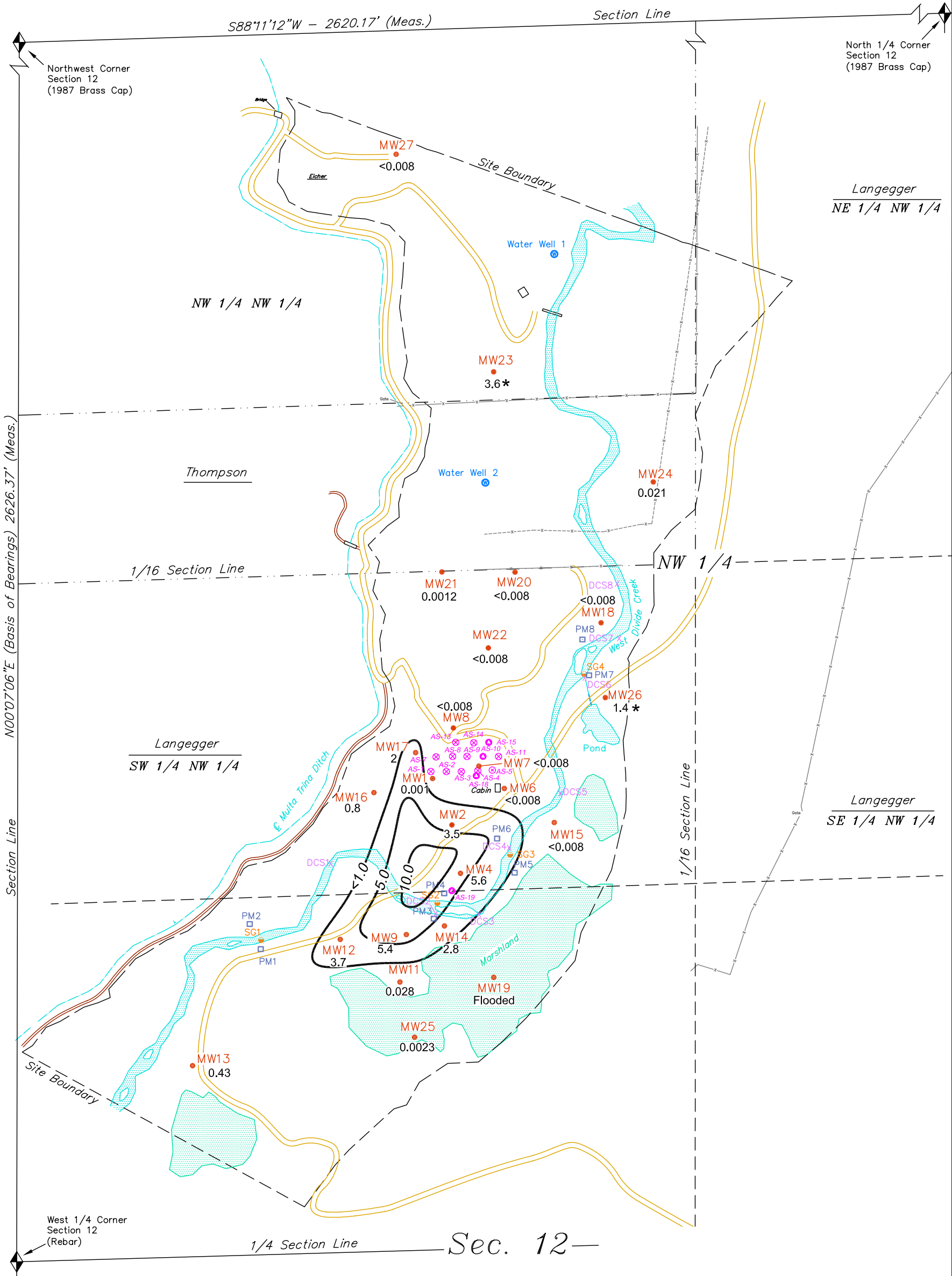


FIGURE 3  
WEST DIVIDE CREEK SEEP AREA  
BENZENE CONCENTRATIONS  
SEPTEMBER 2007  
GARFIELD COUNTY, COLORADO

REVISION DATE:	10/22/07
REVISION NUMBER:	00#
DRAWN BY:	RJV
APPROVED BY:	BS
PROJECT #	E05369
SCALE:	AS SHOWN

**CORDILLERAN**





LEGEND

- SECTION CORNERS FOUND
- FENCE
- OLD FENCE
- PROPERTY LINE
- DRAINAGE
- STREAM GAUGE
- 5.0 = THERMOGENIC & BIOGENIC METHANE CONCENTRATION CONTOUR IN mg/L
- 6.1 = THERMOGENIC & BIOGENIC METHANE CONCENTRATION IN mg/L
- NS = NOT SAMPLED
- \* = DATA NOT USED IN CONTOURING
- PIEZOMETER
- DIVIDE CREEK SAMPLE
- AIR SPARGE WELL LOCATION
- NESTED AIR SPARGE WELL LOCATION
- MONITORING WELL

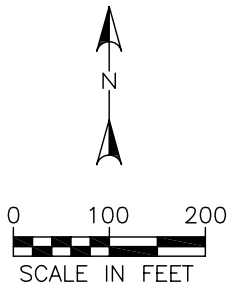


FIGURE 4  
WEST DIVIDE CREEK SEEP AREA  
TOTAL DISSOLVED METHANE  
CONCENTRATIONS  
SEPTEMBER 2007  
GARFIELD COUNTY, COLORADO

REVISION DATE:	10/22/07
REVISION NUMBER:	00#
DRAWN BY:	RJV
APPROVED BY:	BS
PROJECT #	E05369
SCALE:	AS SHOWN

**CORDILLERAN**

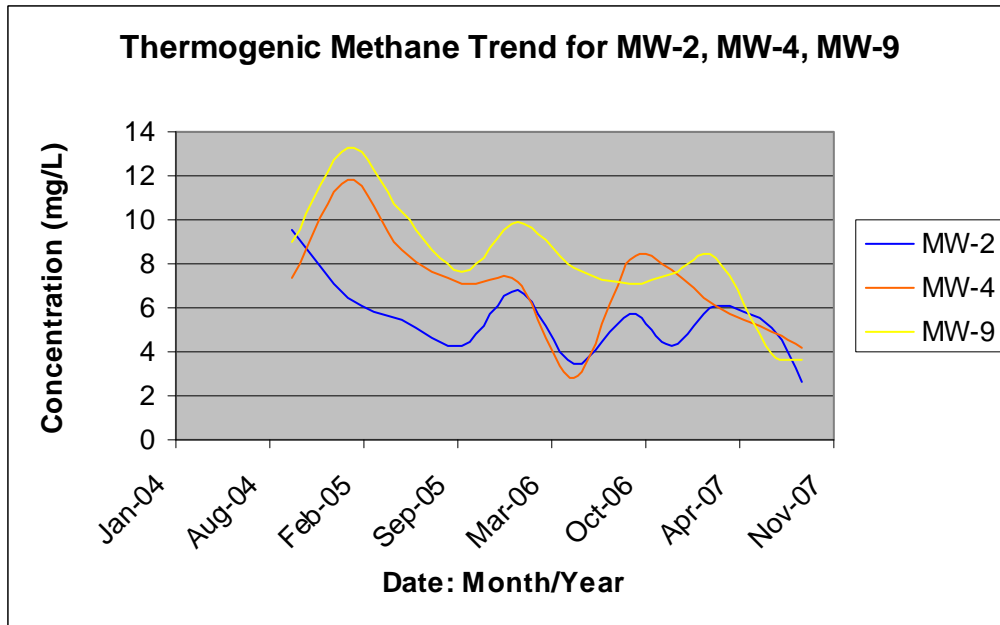


Figure 5 (Thermogenic Methane Trend for MW-2, MW-4, and MW-9)

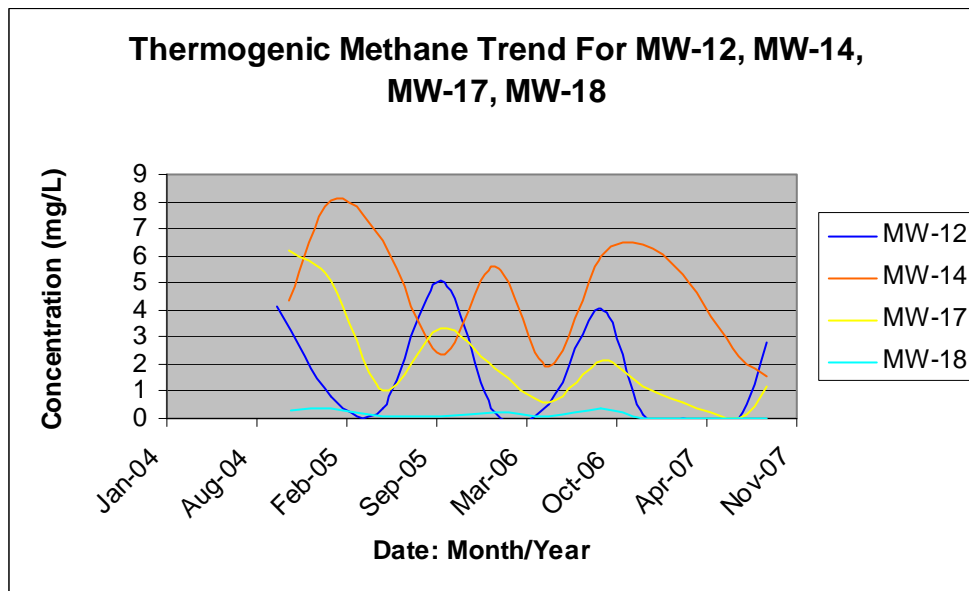
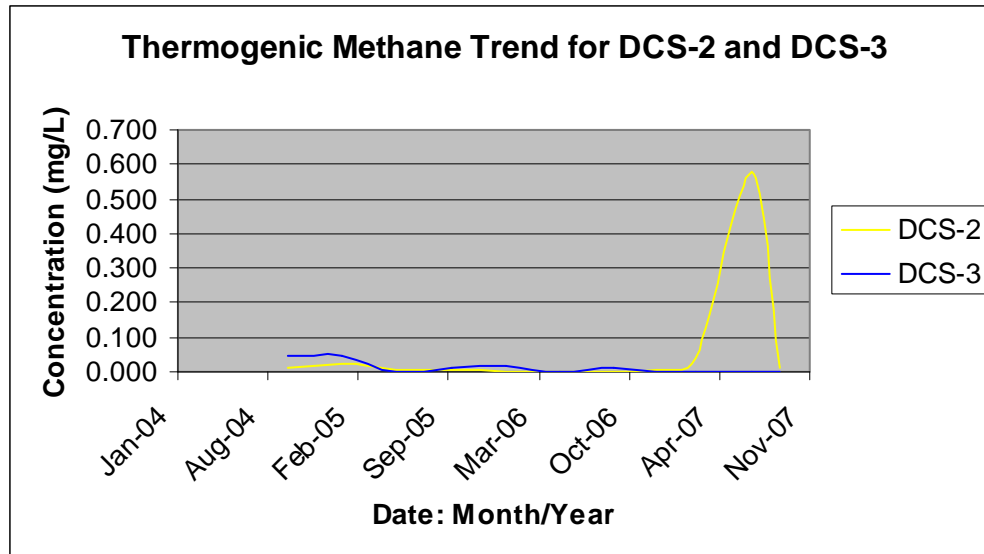


Figure 6 (Thermogenic Methane Trend for MW-12, MW-14, MW-17, and MW-18)





**Figure 7 (Thermogenic Methane Trend for monitoring stations DCS-2 and DCS-3)**



## APPENDIX A

Monitoring Station	Sample ID	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	mp-Xylene (µg/L)	o-Xylene (µg/L)	MTBE (µg/L)	Methane (mg/L)
Eicher well	091007-E2	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	0.043
MW 23	091007-MW23	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	3.6
MW 24	091007-MW24	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	0.021
MW 27	091007-MW27	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	<0.008(mg/L)
MW 1	091107-AAA	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	<0.008(mg/L)
MW1	091107-MW1	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	0.001
MW 15	091107-MW15	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	<0.008(mg/L)
MW18	091107-MW18	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	<0.008(mg/L)
MW 20	091107-MW20	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	<0.008(mg/L)
MW 21	091107-MW21	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	0.0012
MW 22	091107-MW22	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	<0.008(mg/L)
MW 26	091107-MW26	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	1.4
MW 11	091207-MW11	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	0.028
MW 12	091207-MW12	5.4	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	3.7
MW 13	091207-MW13	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	0.43
MW 16	091207-MW16	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	0.8
MW 17	091207-MW17	30	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	2
MW 2	091207-MW2	260	<2(ug/L)	8.1	45	6.2	-999.9	3.5
MW25	091207-MW25	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	0.0023
MW 6	091207-MW6	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	<0.008(mg/L)
MW 7	091207-MW7	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	<0.008(mg/L)
MW 8	091207-MW8	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	<0.008(mg/L)
MW 14	091307-MW14	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	2.8
MW 4	091307-MW4	170	<2(ug/L)	4.8	50	7.9	-999.9	5.6
MW 9	091307-MW9	4.2	<2(ug/L)	<2(ug/L)	2.4	<2(ug/L)	-999.9	5.4
DCS 1	091307-DCS1	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	0.0018
DCS 2	091307-DCS2	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	0.02
DCS 3	091307-DCS3	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	0.0025
DCS 4	091307-DCS4	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	0.0058
DCS 5	091307-DCS5	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	0.0055
DCS 6	091307-DCS6	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	<0.008(mg/L)
DCS 7	091307-DCS7	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	<0.008(mg/L)
DCS 8	091307-DCS8	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	0.0064
DCS 8	091307-DCS0	<1(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	<2(ug/L)	-999.9	0.005

**Table 1 (Summary of September 2007 BTEX/MTBE and Methane Analytical Results)**

<b>MW #</b>	<b>PVC elevation MSL (ft)</b>	<b>DTW elevation (ft)</b>	<b>DTW elevation MSL (ft)</b>
1	5958.79	7.95	5950.84
2	5959.28	6.13	5953.15
4	5963.41	8.52	5954.89
6	5959.94	7.95	5951.99
7	5958.97	8.21	5950.76
8	5959.29	10.53	5948.76
9	5965.13	4.49	5960.64
11	5969.66	4.3	5965.36
12	5963.6	3.08	5960.52
13	5972	1.05	5970.95
14	5965.06	5.04	5960.02
15	5957.79	0	5957.79
16	5960.45	6.45	5954
17	5958.49	9.68	5948.81
18	5952.43	3.85	5948.58
19	5969.44	Flooded	NA
20	5953.88	10.15	5943.73
21	5969.45	24.95	5944.5
22	5957.08	11.45	5945.63
23	5952.69	17.29	5935.4
24	5954.91	5.15	5949.76
25	5971.79	2.71	5969.08
26	5954.65	1	5953.65
27	5956.22	11.21	5945.01
<b>Peizometer #</b>	<b>PVC elevation MSL (ft)</b>	<b>DTW elevation (ft)</b>	<b>DTW elevation MSL (ft)</b>
1	5965.81	2.97	5962.84
2	5966.6	4.65	5961.95
3	5961.3	2.7	5958.6
4	5959.38	3.5	5955.88
5	5962.43	Silted in	Silted in
6	5959.38	5.83	5953.55
7	5952.08	2.51	5949.57
8	5953.41	3.62	5949.79

**Table 2 (Groundwater Elevations for September 2007)**

Monitoring Station	Sample ID	Chloride (mg/L)	Sodium (Na) (mg/L)	TDS (mg/L)	ph, Lab (SU)	SpCond, Lab (µmhos/cm)
Eicher well	091007-E2	12.3	87	527	7.24	814
MW 23	091007-MW23	112	240	625	7.51	968
MW 24	091007-MW24	4.6	56	434	7.53	633
MW 27	091007-MW27	17.5	230	660	7.92	922
MW 1	091107-AAA	23.3	220	550	7.87	577
MW1	091107-MW1	22.9	220	759	7.36	1140
MW 15	091107-MW15	5.5	52	434	7.49	661
MW18	091107-MW18	5.8	69	476	7.3	717
MW 20	091107-MW20	14.6	120	549	7.22	965
MW 21	091107-MW21	18.5	290	864	7.45	1290
MW 22	091107-MW22	18.2	130	568	7.08	880
MW 26	091107-MW26	7.5	110	528	7.15	822
MW 11	091207-MW11	20.3	36	391	7.22	575
MW 12	091207-MW12	20.4	110	518	7.37	762
MW 13	091207-MW13	4.3	84	626	7.2	962
MW 16	091207-MW16	43.4	250	628	8.07	947
MW 17	091207-MW17	44	240	760	7.51	1080
MW 2	091207-MW2	44.8	150	487	7.5	753
MW25	091207-MW25	26.7	39	429	7.3	633
MW 6	091207-MW6	10.5	120	619	6.96	893
MW 7	091207-MW7	23.6	140	650	7.16	940
MW 8	091207-MW8	35.1	180	711	7.34	1030
MW 14	091307-MW14	27.3	82	544	7.2	756
MW 4	091307-MW4	39.5	140	451	7.69	646
MW 9	091307-MW9	21.3	59	507	7.36	733
DCS 1	091307-DCS1	20.2	91	587	8.47	849
DCS 2	091307-DCS2	21.1	99	579	8.45	827
DCS 3	091307-DCS3	20.2	100	602	8.4	837
DCS 4	091307-DCS4	20	97	589	8.43	804
DCS 5	091307-DCS5	20	96	571	8.43	829
DCS 6	091307-DCS6	19.2	94	574	8.46	804
DCS 7	091307-DCS7	18.4	91	564	8.31	845
DCS 8	091307-DCS8	18.6	92	555	8.39	807
DCS 8	091307-DCS0	18.9	92	568	8.43	790

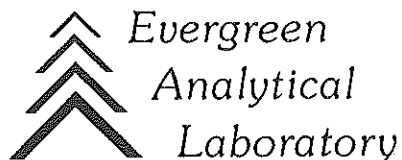
**Table 3 (Summary of September 2007 Inorganic Analytical Results)**

Monitoring Station	Sample ID	pH, Field (SU)	SpCond, Field (mS/cm)	TDS, Field (g/L)	Temp, Field (°C)	Turbidity, Field (NTU)	DO, Field (mg/L)	DO (%)
Eicher well	091007-E2	7.68	0.861	0.6	17.45	41	1.93	24.1
MW 23	091007-MW23	8.03	0.889	0.6	13.38	731	2.06	23.5
MW 24	091007-MW24	7.81	0.632	0.4	19.56	27.1	1.92	25
MW 27	091007-MW27	8.1	0.95	0.6	16.27	190	2	27
MW 1	091107-AAA	7.93	1.098	0.7	15.2	2000	3.82	40.3
MW1	091107-MW1	7.93	1.098	0.7	15.2	2000	3.82	40.3
MW 15	091107-MW15	8.3	0.174	0.1	14.76	168	3.83	94.6
MW18	091107-MW18	7.64	0.702	0.5	12.7	270	2.12	23.9
MW 20	091107-MW20	7.84	0.857	0.6	12.38	2000	5.22	58.4
MW 21	091107-MW21	7.96	1.213	0.8	11.33	556	1.69	18.5
MW 22	091107-MW22	7.91	0.855	0.6	10.89	507	3.82	41.3
MW 26	091107-MW26	7.66	0.753	0.5	15.01	2000	1.65	19.5
MW 11	091207-MW11	7.84	0.587	0.4	14.02	29.7	1.43	15.3
MW 12	091207-MW12	7.83	0.76	0.5	13.38	49.5	1.77	20.4
MW 13	091207-MW13	7.58	0.944	0.6	18.06	53.2	2.1	26.5
MW 16	091207-MW16	8.04	0.881	0.6	15.14	56.4	1.54	18.4
MW 17	091207-MW17	7.79	0.974	0.6	14.63	589	1.1	17.1
MW 2	091207-MW2	7.74	0.734	0.5	14.91	8.4	0.94	11.1
MW25	091207-MW25	8.01	0.564	0.4	14.15	257	1.49	17.3
MW 6	091207-MW6	7.39	0.936	0.6	17.71	1000	1.97	24.6
MW 7	091207-MW7	7.54	0.956	0.6	15.14	657	1.89	22.4
MW 8	091207-MW8	7.62	10.51	0.7	15.56	277	2	54.7
MW 14	091307-MW14	7.67	0.821	0.5	14.03	90.2	1.33	15.1
MW 4	091307-MW4	7.83	0.694	0.4	17.42	284	1.11	13.7
MW 9	091307-MW9	7.76	0.1	0.1	13.67	37.6	7.15	88.1
DCS 1	091307-DCS1	8.42	0.826	0.6	11.44	13.1	12.25	13.43
DCS 2	091307-DCS2	8.36	8.62	0.6	11.63	29.5	11.06	121.8
DCS 3	091307-DCS3	8.36	0.863	0.6	11.82	42.8	11.85	131.7
DCS 4	091307-DCS4	8.36	0.849	0.5	11.84	38.3	11.65	12.91
DCS 5	091307-DCS5	8.39	0.839	0.5	12.35	77.1	10.47	115.8
DCS 6	091307-DCS6	8.42	0.836	0.5	12.07	59.2	16.95	116.4
DCS 7	091307-DCS7	8.39	0.827	0.5	12.19	81.4	9.86	109.3
DCS 8	091307-DCS8	8.41	0.83	0.5	12.5	33.2	11.54	130.7
DCS 8	091307-DCS0	8.41	0.83	0.5	12.5	33.2	11.54	130.7

**Table 4 (Field Parameters for September 2007)**

## **APPENDIX B**





September 28, 2007

Dion Plsek  
Cordilleran Compliance  
826 21 1/2 Road  
Grand Junction, CO 81505

Lab Work Order: 07-6648  
Client Project ID: 5369

Dear Dion Plsek:

Enclosed are the analytical results for the samples shown in the Laboratory Work Order Summary. The invoice is included with this report or has been mailed to another party as indicated on the chain of custody.

The enclosed data for testing performed at Evergreen Analytical Laboratory (EAL) have been reviewed for quality assurance. A case narrative is included to describe any anomalies associated with the samples or data.

A copy of this project report and supporting data will be retained for a period of five years unless we are otherwise advised by you. A document retrieval charge will apply.

Thank you for using the services of Evergreen Analytical. If you have any questions concerning the analytical data, please contact me. Please direct other questions to Client Services.

Sincerely,

A handwritten signature in cursive script, appearing to read "Carl Smits".

Carl Smits / Kaprie Hollman  
Technical Director of Chemical Analysis

## WORK ORDER Summary

Evergreen Analytical, Inc.

07-6648

Rpt To: Dion Pisek

Cordilleran Compliance

826 21 1/2 Road

Grand Junction, CO 81505

(970) 263-7800

Fax To: Dion Pisek

FX: (970) 263-7456

Email To: dionpisek@cordcomp.com

9/14/2007 8:18:20 AM

Client Project ID: 5369

QC Level: LEVEL I+

Comments: Add Sample Summary Report to all results packages.

Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Test Code	Test Name	Hold	MS	Date Due	Hold Time
07-6648-01A	091307-MW4	Water	9/13/07 0730	9/14/07	8021_W *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/19/07	9/20/07
07-6648-01B	091307-MW4	Water	9/13/07 0730	9/14/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	10/11/07
07-6648-01B	091307-MW4	Water	9/13/07 0730	9/14/07	PH_DW	El50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/14/07
07-6648-01B	091307-MW4	Water	9/13/07 0730	9/14/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-01C	091307-MW4	Water	9/13/07 0730	9/14/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	3/11/08
07-6648-01D	091307-MW4	Water	9/13/07 0730	9/14/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/15/07
07-6648-01E	091307-MW4	Water	9/13/07 0730	9/14/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-02A	091307-MW14	Water	9/13/07 0800	9/14/07	8021_W *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/19/07	9/20/07
07-6648-02B	091307-MW14	Water	9/13/07 0800	9/14/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	10/11/07
07-6648-02B	091307-MW14	Water	9/13/07 0800	9/14/07	PH_DW	El50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/14/07
07-6648-02B	091307-MW14	Water	9/13/07 0800	9/14/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-02C	091307-MW14	Water	9/13/07 0800	9/14/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	3/11/08
07-6648-02D	091307-MW14	Water	9/13/07 0800	9/14/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/15/07
07-6648-02E	091307-MW14	Water	9/13/07 0800	9/14/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-03A	091307-MW9	Water	9/13/07 0830	9/14/07	8021_W *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/19/07	9/20/07
07-6648-03B	091307-MW9	Water	9/13/07 0830	9/14/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	10/11/07
07-6648-03B	091307-MW9	Water	9/13/07 0830	9/14/07	PH_DW	El50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/14/07
07-6648-03B	091307-MW9	Water	9/13/07 0830	9/14/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-03C	091307-MW9	Water	9/13/07 0830	9/14/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	3/11/08
07-6648-03D	091307-MW9	Water	9/13/07 0830	9/14/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/15/07

Definitions: \* - Test Code has a Select List

## WORK ORDER Summary

Evergreen Analytical, Inc.

07-6648

Rpt To: Dion Pisek

Fax To: Dion Pisek

FX: (970) 263-7456

Cordilleran Compliance

Email To: dionpisek@cordcomp.com

826 21 1/2 Road

Grand Junction, CO 81505

(970) 263-7800

Client Project ID: 5369

9/14/2007 8:18:20 AM

QC Level: LEVEL 1+

07-6648-03E	091307-MW9	Water	9/13/07 0830	9/14/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-04A	091307-DCS1	Water	9/13/07 0900	9/14/07	8021_W *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/19/07	9/20/07
07-6648-04B	091307-DCS1	Water	9/13/07 0900	9/14/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	10/11/07
07-6648-04B	091307-DCS1	Water	9/13/07 0900	9/14/07	PH_DW	EI50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/14/07
07-6648-04B	091307-DCS1	Water	9/13/07 0900	9/14/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-04C	091307-DCS1	Water	9/13/07 0900	9/14/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	3/11/08
07-6648-04D	091307-DCS1	Water	9/13/07 0900	9/14/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/15/07
07-6648-04E	091307-DCS1	Water	9/13/07 0900	9/14/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-05A	091307-DCS2	Water	9/13/07 0915	9/14/07	8021_W *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/19/07	9/20/07
07-6648-05B	091307-DCS2	Water	9/13/07 0915	9/14/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	10/11/07
07-6648-05B	091307-DCS2	Water	9/13/07 0915	9/14/07	PH_DW	EI50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/14/07
07-6648-05B	091307-DCS2	Water	9/13/07 0915	9/14/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-05C	091307-DCS2	Water	9/13/07 0915	9/14/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	3/11/08
07-6648-05D	091307-DCS2	Water	9/13/07 0915	9/14/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/15/07
07-6648-05E	091307-DCS2	Water	9/13/07 0915	9/14/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-06A	091307-DCS3	Water	9/13/07 0930	9/14/07	8021_W *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/19/07	9/20/07
07-6648-06B	091307-DCS3	Water	9/13/07 0930	9/14/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	10/11/07
07-6648-06B	091307-DCS3	Water	9/13/07 0930	9/14/07	PH_DW	EI50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/14/07
07-6648-06B	091307-DCS3	Water	9/13/07 0930	9/14/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-06C	091307-DCS3	Water	9/13/07 0930	9/14/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	3/11/08
07-6648-06D	091307-DCS3	Water	9/13/07 0930	9/14/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/15/07
07-6648-06E	091307-DCS3	Water	9/13/07 0930	9/14/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07

Definitions: \* - Test Code has a Select List

**WORK ORDER Summary****Evergreen Analytical, Inc.****07-6648****Rpt To:** Dion Pisek**Fax To:** Dion Pisek**Fx:** (970) 263-7456

Cordilleran Compliance

**Email To:** dionpisek@cordcomp.com

826 21 1/2 Road

Grand Junction, CO 81505

(970) 263-7800

**Client Project ID:** 5369

9/14/2007 8:18:20 AM

**QC Level:** LEVEL 1+

07-6648-07A	091307-DCS4	Water	9/13/07 0945	9/14/07	8021_W *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/19/07	9/20/07
07-6648-07B	091307-DCS4	Water	9/13/07 0945	9/14/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	10/11/07
07-6648-07B	091307-DCS4	Water	9/13/07 0945	9/14/07	PH_DW	EI50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/14/07
07-6648-07B	091307-DCS4	Water	9/13/07 0945	9/14/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-07C	091307-DCS4	Water	9/13/07 0945	9/14/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	3/11/08
07-6648-07D	091307-DCS4	Water	9/13/07 0945	9/14/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/15/07
07-6648-07E	091307-DCS4	Water	9/13/07 0945	9/14/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-08A	091307-DCS5	Water	9/13/07 1000	9/14/07	8021_W *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/19/07	9/20/07
07-6648-08B	091307-DCS5	Water	9/13/07 1000	9/14/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	10/11/07
07-6648-08B	091307-DCS5	Water	9/13/07 1000	9/14/07	PH_DW	EI50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/14/07
07-6648-08B	091307-DCS5	Water	9/13/07 1000	9/14/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-08C	091307-DCS5	Water	9/13/07 1000	9/14/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	3/11/08
07-6648-08D	091307-DCS5	Water	9/13/07 1000	9/14/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/15/07
07-6648-08E	091307-DCS5	Water	9/13/07 1000	9/14/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-09A	091307-DCS6	Water	9/13/07 1015	9/14/07	8021_W *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/19/07	9/20/07
07-6648-09B	091307-DCS6	Water	9/13/07 1015	9/14/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	10/11/07
07-6648-09B	091307-DCS6	Water	9/13/07 1015	9/14/07	PH_DW	EI50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/14/07
07-6648-09B	091307-DCS6	Water	9/13/07 1015	9/14/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-09C	091307-DCS6	Water	9/13/07 1015	9/14/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	3/11/08
07-6648-09D	091307-DCS6	Water	9/13/07 1015	9/14/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/15/07
07-6648-09E	091307-DCS6	Water	9/13/07 1015	9/14/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-10A	091307-DCS7	Water	9/13/07 1030	9/14/07	8021_W *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/19/07	9/20/07

**Definitions:** \* - Test Code has a Select List

**WORK ORDER Summary****Evergreen Analytical, Inc.****07-6648**

Rpt To: Dion Pisek

Fax To: Dion Pisek

FX: (970) 263-7456

Cordilleran Compliance

Email To: dionpisek@cordcomp.com

826 21 1/2 Road

Grand Junction, CO 81505

(970) 263-7800

Client Project ID: 5369

9/14/2007 8:18:20 AM

QC Level: LEVEL 1+

07-6648-10B	091307-DCS7	Water	9/13/07 1030	9/14/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	10/11/07
07-6648-10B	091307-DCS7	Water	9/13/07 1030	9/14/07	PH_DW	EI50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/14/07
07-6648-10B	091307-DCS7	Water	9/13/07 1030	9/14/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-10C	091307-DCS7	Water	9/13/07 1030	9/14/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	3/11/08
07-6648-10D	091307-DCS7	Water	9/13/07 1030	9/14/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/15/07
07-6648-10E	091307-DCS7	Water	9/13/07 1030	9/14/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-11A	091307-DCS8	Water	9/13/07 1045	9/14/07	8021_W *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/19/07	9/20/07
07-6648-11B	091307-DCS8	Water	9/13/07 1045	9/14/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	10/11/07
07-6648-11B	091307-DCS8	Water	9/13/07 1045	9/14/07	PH_DW	EI50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/14/07
07-6648-11B	091307-DCS8	Water	9/13/07 1045	9/14/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-11C	091307-DCS8	Water	9/13/07 1045	9/14/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	3/11/08
07-6648-11D	091307-DCS8	Water	9/13/07 1045	9/14/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/15/07
07-6648-11E	091307-DCS8	Water	9/13/07 1045	9/14/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-12A	091307-DCS0	Water	9/13/07 1100	9/14/07	8021_W *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/19/07	9/20/07
07-6648-12B	091307-DCS0	Water	9/13/07 1100	9/14/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	10/11/07
07-6648-12B	091307-DCS0	Water	9/13/07 1100	9/14/07	PH_DW	EI50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/14/07
07-6648-12B	091307-DCS0	Water	9/13/07 1100	9/14/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07
07-6648-12C	091307-DCS0	Water	9/13/07 1100	9/14/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	3/11/08
07-6648-12D	091307-DCS0	Water	9/13/07 1100	9/14/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/15/07
07-6648-12E	091307-DCS0	Water	9/13/07 1100	9/14/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/28/07	9/20/07

Definitions: \* - Test Code has a Select List



**Mail Invoice to: SAME**

Attn: SAME

**Address:** SAME

City/State/Zip: SAME

**Tel # SAME**

PWSID No./Project ID # 5369

P.O. 5369

**Quote:**

Other Turnaround\*

(Specificity)

**\*Rush analysis subject to additional fee**

### PHASE I, II, V Drinking Water Analyses (check analysis)

(877) 737-4521

e-mail [info@evergreenanalytical.com](mailto:info@evergreenanalytical.com)

LOC

**Instructions:**

### Sample Fraction

(Check)

100

For Laboratory use only

Date/Time

Date/Time

W/O #	07678	Seals Present	Y/N/NA
B.O.F. #	1	Samples Present	Y/N/NA
C/S (I)	1	Headspace	Y/N/NA
C/S (I)	1	Ice	
Temp C		By	

**Shea Greiner**

---

**To:** Carl Smits; Dick Kulp; Jim Travis  
**Cc:** Anna Uecker; Patty McClellan  
**Subject:** 07-6648 Cordilleran returns

Per request of Scott Mann to Carl, please rerun the following samples by 8021. They are interested confirming the m,p xylenes which were detected in levels very close to the LQL.

Our sample IDs are: 07-6648-05A, 08A, 09A, 10A, 11A.

Thank you, Shea



Client Project ID: 5369

Lab Order: 07-6648

## CASE NARRATIVE

### SAMPLE RECEIVING

Custody seals were present and intact.

The temperature of the sample(s) upon arrival was 1.7 °C.

Sample(s) were received in good condition, in the proper container, and within holding times.

VOC samples were not preserved.

VOC sample(s) were received with no headspace present.

The first sample was received out of holding time for pH. JD

### QUALITY ASSURANCE

Analyses performed on samples in this work order meet the requirements of the EAL Quality Assurance Program unless otherwise explained. Analyses of RCRA samples meet the requirements of NELAC and Utah Rule R444-14 unless otherwise explained. CMS

### CLIENT SERVICES

There are no anomalies to report. AMU

### GENERAL CHEMISTRY

Sample 07-6648-01 was received (and analyzed) out of holding time (H) for pH. There are no other anomalies to report. MM/CMS

### METALS ANALYSIS

There are no anomalies to report. MB

### GAS CHROMATOGRAPHY

Method 8021\_W/Mtbe: Samples 07-6648-05A, -08A, -09A, -10A, and -11A detected m,p-Xylene at the reporting limit. There was no evidence of laboratory background contamination or sample cross-contamination. Per discussion with the client, the samples were rerun for that analyte. The reruns detected no m,p- Xylene, but, because the samples were not preserved, the reruns were outside the method specified holding time (H). The reruns replaced the original analyses for m,p-Xylene. There are no other anomalies to report. HJ/CMS

Method MEEP\_W: There are no anomalies to report. MS

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-MW4  
Client Project ID: 5369  
Date Collected: 9/13/07 0730  
Date Received: 9/14/07

Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-01  
Sample Matrix: Water

### Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
140	0.40	1	mg/L

### Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
170	1.0	1	µg/L
4.8	2.0	1	µg/L
50	2.0	1	µg/L
U	4.0	1	µg/L
7.9	2.0	1	µg/L
U	2.0	1	µg/L

### Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
39.5	0.50	1	mg/L

### Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JCR

Result	LQL	DF	Units
646	1.00	1	µmhos/cm

### RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
5.6	0.040	50	mg/L

### E150.1 pH

Method: E150.1

Analyst: CJ

Result	LQL	DF	Units
7.69 H	1.00	1	pH Units

### Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
451	10.0	1	mg/L

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/28/07

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-MW14  
Client Project ID: 5369  
Date Collected: 9/13/07 0800  
Date Received: 9/14/07

Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-02  
Sample Matrix: Water

### Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
82	0.40	1	mg/L

Sodium

### Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

Methyl-t-butyl ether

o-Xylene

Toluene

### Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
27.3	0.50	1	mg/L

Chloride

### Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JCR

Result	LQL	DF	Units
756	1.00	1	µmhos/cm

Specific Conductance

### RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
2.8	0.040	50	mg/L

Methane

### E150.1 pH

Method: E150.1

Analyst: CJ

Result	LQL	DF	Units
7.20	1.00	1	pH Units

pH

### Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
544	10.0	1	mg/L

Total Dissolved Solids

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: NA - Not Applicable

Print Date: 9/28/07

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-MW9  
Client Project ID: 5369  
Date Collected: 9/13/07 0830  
Date Received: 9/14/07

Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-03  
Sample Matrix: Water

### Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
59	0.40	1	mg/L

Sodium

### Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
4.2	1.0	1	µg/L
U	2.0	1	µg/L
2.4	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

Methyl-t-butyl ether

o-Xylene

Toluene

### Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
21.3	0.50	1	mg/L

Chloride

### Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JCR

Result	LQL	DF	Units
733	1.00	1	µmhos/cm

Specific Conductance

### RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
5.4	0.040	50	mg/L

Methane

### E150.1 pH

Method: E150.1

Analyst: CJ

Result	LQL	DF	Units
7.36	1.00	1	pH Units

pH

### Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
507	10.0	1	mg/L

Total Dissolved Solids

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/28/07

## SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021Client Sample ID: 091307-DCS1  
Client Project ID: 5369  
Date Collected: 9/13/07 0900  
Date Received: 9/14/07Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-04  
Sample Matrix: Water

Dissolved Metals	Method: SW6010B			Analyst: SS
	Result	LQL	DF	Units
Sodium	91	0.40	1	mg/L
Aromatic Volatile Organics	Method: SW8021B			Analyst: HJ
	Result	LQL	DF	Units
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
Methyl-t-butyl ether	U	4.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	Method: E300.0			Analyst: JL
	Result	LQL	DF	Units
Chloride	20.2	0.50	1	mg/L
Specific Conductance @ 25°C	Method: SM2510 B			Analyst: JCR
	Result	LQL	DF	Units
Specific Conductance	849	1.00	1	µmhos/cm
RSKSOP-175M Headspace	Method: RSKSOP175M			Analyst: MSZ
	Result	LQL	DF	Units
Methane	0.0018	0.00080	1	mg/L
E150.1 pH	Method: E150.1			Analyst: CJ
	Result	LQL	DF	Units
pH	8.47	1.00	1	pH Units
Total Dissolved Solids (TDS)	Method: SM 2540C			Analyst: JD
	Result	LQL	DF	Units
Total Dissolved Solids	587	10.0	1	mg/L

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value. Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/28/07

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS2  
Client Project ID: 5369  
Date Collected: 9/13/07 0915  
Date Received: 9/14/07

Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-05  
Sample Matrix: Water

**Dissolved Metals** Method: SW6010B Analyst: SS

Result	LQL	DF	Units
99	0.40	1	mg/L

Sodium

**Aromatic Volatile Organics** Method: SW8021B Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U H	2.0	1	µg/L

Benzene

Ethylbenzene

Methyl-t-butyl ether

o-Xylene

Toluene

m,p-Xylene

**Anions by IC** Method: E300.0 Analyst: JL

Result	LQL	DF	Units
21.1	0.50	1	mg/L

Chloride

**Specific Conductance @ 25°C** Method: SM2510 B Analyst: JCR

Result	LQL	DF	Units
827	1.00	1	µmhos/cm

Specific Conductance

**RSKSOP-175M Headspace** Method: RSKSOP175M Analyst: MSZ

Result	LQL	DF	Units
0.020	0.00080	1	mg/L

Methane

**E150.1 pH** Method: E150.1 Analyst: CJ

Result	LQL	DF	Units
8.45	1.00	1	pH Units

pH

**Total Dissolved Solids (TDS)** Method: SM 2540C Analyst: JD

Result	LQL	DF	Units
579	10.0	1	mg/L

Total Dissolved Solids

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/28/07

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS3  
Client Project ID: 5369  
Date Collected: 9/13/07 0930  
Date Received: 9/14/07

Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-06  
Sample Matrix: Water

### Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
100	0.40	1	mg/L

### Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

### Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
20.2	0.50	1	mg/L

### Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JCR

Result	LQL	DF	Units
837	1.00	1	µmhos/cm

### RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
0.0025	0.00080	1	mg/L

### E150.1 pH

Method: E150.1

Analyst: CJ

Result	LQL	DF	Units
8.40	1.00	1	pH Units

### Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
602	10.0	1	mg/L

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/28/07

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS4  
Client Project ID: 5369  
Date Collected: 9/13/07 0945  
Date Received: 9/14/07

Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-07  
Sample Matrix: Water

### Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
97	0.40	1	mg/L

### Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

### Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
20.0	0.50	1	mg/L

### Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JCR

Result	LQL	DF	Units
804	1.00	1	µmhos/cm

### RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
0.0058	0.00080	1	mg/L

### E150.1 pH

Method: E150.1

Analyst: CJ

Result	LQL	DF	Units
8.43	1.00	1	pH Units

### Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
589	10.0	1	mg/L

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/28/07



# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS5  
Client Project ID: 5369  
Date Collected: 9/13/07 1000  
Date Received: 9/14/07

Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-08  
Sample Matrix: Water

Dissolved Metals	Method: SW6010B			Analyst: SS
	Result	LQL	DF	Units
Sodium	96	0.40	1	mg/L
Aromatic Volatile Organics	Method: SW8021B			Analyst: HJ
	Result	LQL	DF	Units
m,p-Xylene	U H	2.0	1	µg/L
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
Methyl-t-butyl ether	U	4.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
Anions by IC	Method: E300.0			Analyst: JL
	Result	LQL	DF	Units
Chloride	20.0	0.50	1	mg/L
Specific Conductance @ 25°C	Method: SM2510 B			Analyst: JCR
	Result	LQL	DF	Units
Specific Conductance	829	1.00	1	µmhos/cm
RSKSOP-175M Headspace	Method: RSKSOP175M			Analyst: MSZ
	Result	LQL	DF	Units
Methane	0.0055	0.00080	1	mg/L
E150.1 pH	Method: E150.1			Analyst: CJ
	Result	LQL	DF	Units
pH	8.43	1.00	1	pH Units
Total Dissolved Solids (TDS)	Method: SM 2540C			Analyst: JD
	Result	LQL	DF	Units
Total Dissolved Solids	571	10.0	1	mg/L

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/28/07

# SUMMARY OF SAMPLE RESULTS

**Evergreen Analytical, Inc.**

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS6  
Client Project ID: 5369  
Date Collected: 9/13/07 1015  
Date Received: 9/14/07

Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-09  
Sample Matrix: Water

**Dissolved Metals** Method: SW6010B Analyst: SS

	Result	LQL	DF	Units
Sodium	94	0.40	1	mg/L

**Aromatic Volatile Organics** Method: SW8021B Analyst: HJ

	Result	LQL	DF	Units
m,p-Xylene	U H	2.0	1	µg/L
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
Methyl-t-butyl ether	U	4.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L

**Anions by IC** Method: E300.0 Analyst: JL

	Result	LQL	DF	Units
Chloride	19.2	0.50	1	mg/L

**Specific Conductance @ 25°C** Method: SM2510 B Analyst: JCR

	Result	LQL	DF	Units
Specific Conductance	804	1.00	1	µmhos/cm

**RSKSOP-175M Headspace** Method: RSKSOP175M Analyst: MSZ

	Result	LQL	DF	Units
Methane	0.0086	0.00080	1	mg/L

**E150.1 pH** Method: E150.1 Analyst: CJ

	Result	LQL	DF	Units
pH	8.46	1.00	1	pH Units

**Total Dissolved Solids (TDS)** Method: SM 2540C Analyst: JD

	Result	LQL	DF	Units
Total Dissolved Solids	574	10.0	1	mg/L

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/28/07

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS7  
Client Project ID: 5369  
Date Collected: 9/13/07 1030  
Date Received: 9/14/07

Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-10  
Sample Matrix: Water

<b>Dissolved Metals</b>	Method: SW6010B			Analyst: SS
	Result	LQL	DF	Units
Sodium	91	0.40	1	mg/L
<b>Aromatic Volatile Organics</b>	Method: SW8021B			Analyst: HJ
	Result	LQL	DF	Units
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
Methyl-t-butyl ether	U	4.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
m,p-Xylene	U H	2.0	1	µg/L
<b>Anions by IC</b>	Method: E300.0			Analyst: JL
	Result	LQL	DF	Units
Chloride	18.4	0.50	1	mg/L
<b>Specific Conductance @ 25°C</b>	Method: SM2510 B			Analyst: JCR
	Result	LQL	DF	Units
Specific Conductance	845	1.00	1	µmhos/cm
<b>RSKSOP-175M Headspace</b>	Method: RSKSOP175M			Analyst: MSZ
	Result	LQL	DF	Units
Methane	0.0072	0.00080	1	mg/L
<b>E150.1 pH</b>	Method: E150.1			Analyst: CJ
	Result	LQL	DF	Units
pH	8.31	1.00	1	pH Units
<b>Total Dissolved Solids (TDS)</b>	Method: SM 2540C			Analyst: JD
	Result	LQL	DF	Units
Total Dissolved Solids	564	10.0	1	mg/L

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/28/07

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS8  
Client Project ID: 5369  
Date Collected: 9/13/07 1045  
Date Received: 9/14/07

Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-11  
Sample Matrix: Water

### Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
92	0.40	1	mg/L

Sodium

### Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U H	2.0	1	µg/L

Benzene

Ethylbenzene

Methyl-t-butyl ether

o-Xylene

Toluene

m,p-Xylene

### Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
18.6	0.50	1	mg/L

Chloride

### Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JCR

Result	LQL	DF	Units
807	1.00	1	µmhos/cm

Specific Conductance

### RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
0.0064	0.00080	1	mg/L

Methane

### E150.1 pH

Method: E150.1

Analyst: CJ

Result	LQL	DF	Units
8.39	1.00	1	pH Units

pH

### Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
555	10.0	1	mg/L

Total Dissolved Solids

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/28/07

# SUMMARY OF SAMPLE RESULTS

**Evergreen Analytical, Inc.**

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

**Client Sample ID:** 091307-DCS0  
**Client Project ID:** 5369  
**Date Collected:** 9/13/07 1100  
**Date Received:** 9/14/07

**Lab Work Order:** 07-6648  
**Lab Sample ID:** 07-6648-12  
**Sample Matrix:** Water

## Dissolved Metals

**Method:** SW6010B

**Analyst:** SS

Result	LQL	DF	Units
92	0.40	1	mg/L

Sodium

## Aromatic Volatile Organics

**Method:** SW8021B

**Analyst:** HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

Methyl-t-butyl ether

o-Xylene

Toluene

## Anions by IC

**Method:** E300.0

**Analyst:** JL

Result	LQL	DF	Units
18.9	0.50	1	mg/L

Chloride

## Specific Conductance @ 25°C

**Method:** SM2510 B

**Analyst:** JCR

Result	LQL	DF	Units
790	1.00	1	µmhos/cm

Specific Conductance

## RSKSOP-175M Headspace

**Method:** RSKSOP175M

**Analyst:** MSZ

Result	LQL	DF	Units
0.0050	0.00080	1	mg/L

Methane

## E150.1 pH

**Method:** E150.1

**Analyst:** CJ

Result	LQL	DF	Units
8.43	1.00	1	pH Units

pH

## Total Dissolved Solids (TDS)

**Method:** SM 2540C

**Analyst:** JD

Result	LQL	DF	Units
568	10.0	1	mg/L

Total Dissolved Solids

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/28/07

02  
104

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-MW4  
Client Project ID: 5369  
Date Collected: 9/13/07  
Date Received: 9/14/07

Lab Work Order 07-6648  
Lab Sample ID: 07-6648-01A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

**Method: SW8021B**

**Prep Method: SW5030B**

Date Prepared: 9/16/07

Lab File ID: TVB20916\024R

Dilution Factor: 1

Date Analyzed: 9/17/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	170	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	4.8	2.0	µg/L
m,p-Xylene	1330-20-7	50	2.0	µg/L
o-Xylene	95-47-6	7.9	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC



Analyst



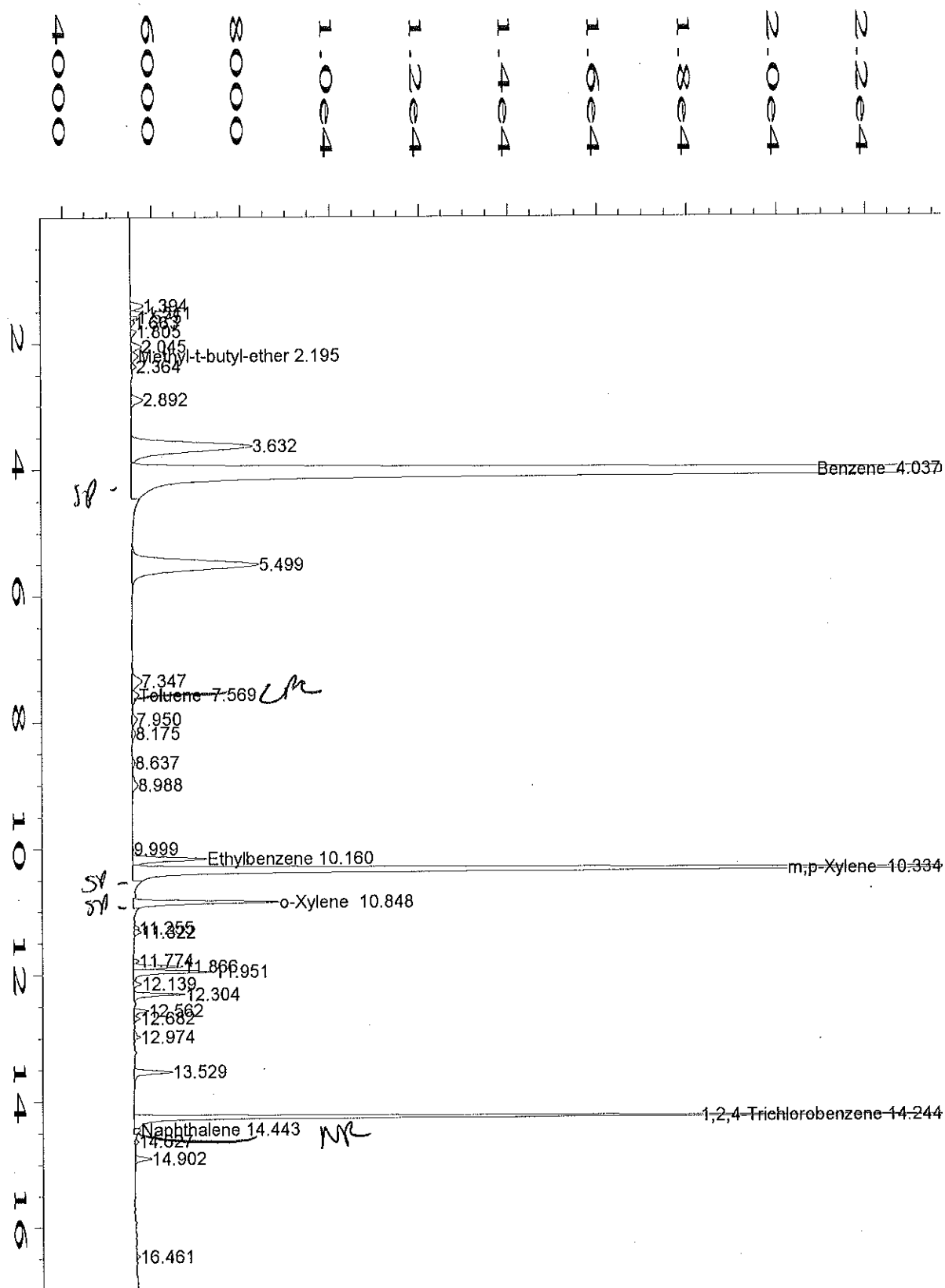
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/18/07



user modified

Data File Name	: C:\HPCHEM\2\DATA\TVB20916\024R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 24
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6648-01A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method	: TW20202A.MTH
Acquired on	: 17 Sep 07 01:49 AM	Analysis Method	: BW20907.MTH
Report Created on:	18 Sep 07 01:42 PM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		

# Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-MW14  
Client Project ID: 5369  
Date Collected: 9/13/07  
Date Received: 9/14/07

Lab Work Order 07-6648  
Lab Sample ID: 07-6648-02A  
Sample Matrix: Water

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/16/07

Lab File ID: TVB20916\025R

Dilution Factor: 1

Date Analyzed: 9/17/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC



Analyst



Approved

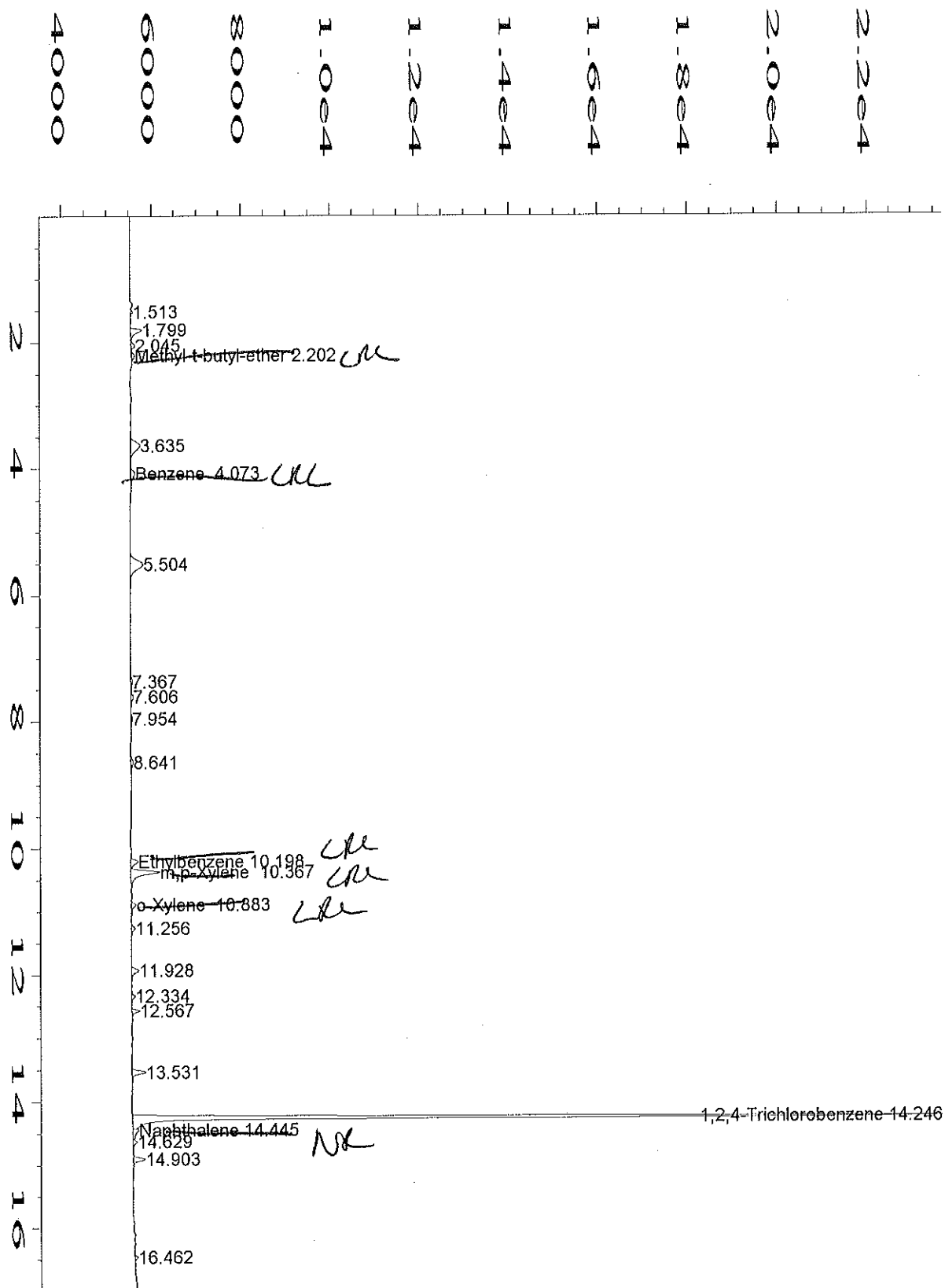
Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/18/07





Data File Name	: C:\HPCHEM\2\DATA\TVB20916\025R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 25
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6648-02A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method:	TW20202A.MTH
Acquired on	: 17 Sep 07 02:23 AM	Analysis Method	: BW20907.MTH
Report Created on:	17 Sep 07 02:41 AM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
	DF=1		

# Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-MW9  
Client Project ID: 5369  
Date Collected: 9/13/07  
Date Received: 9/14/07

Lab Work Order 07-6648  
Lab Sample ID: 07-6648-03A  
Sample Matrix: Water

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/16/07

Lab File ID: TVB20916\005R

Dilution Factor: 1

Date Analyzed: 9/16/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	4.2	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	2.4	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	95	QC Limits: 60-140	%REC

Analyst

Approved

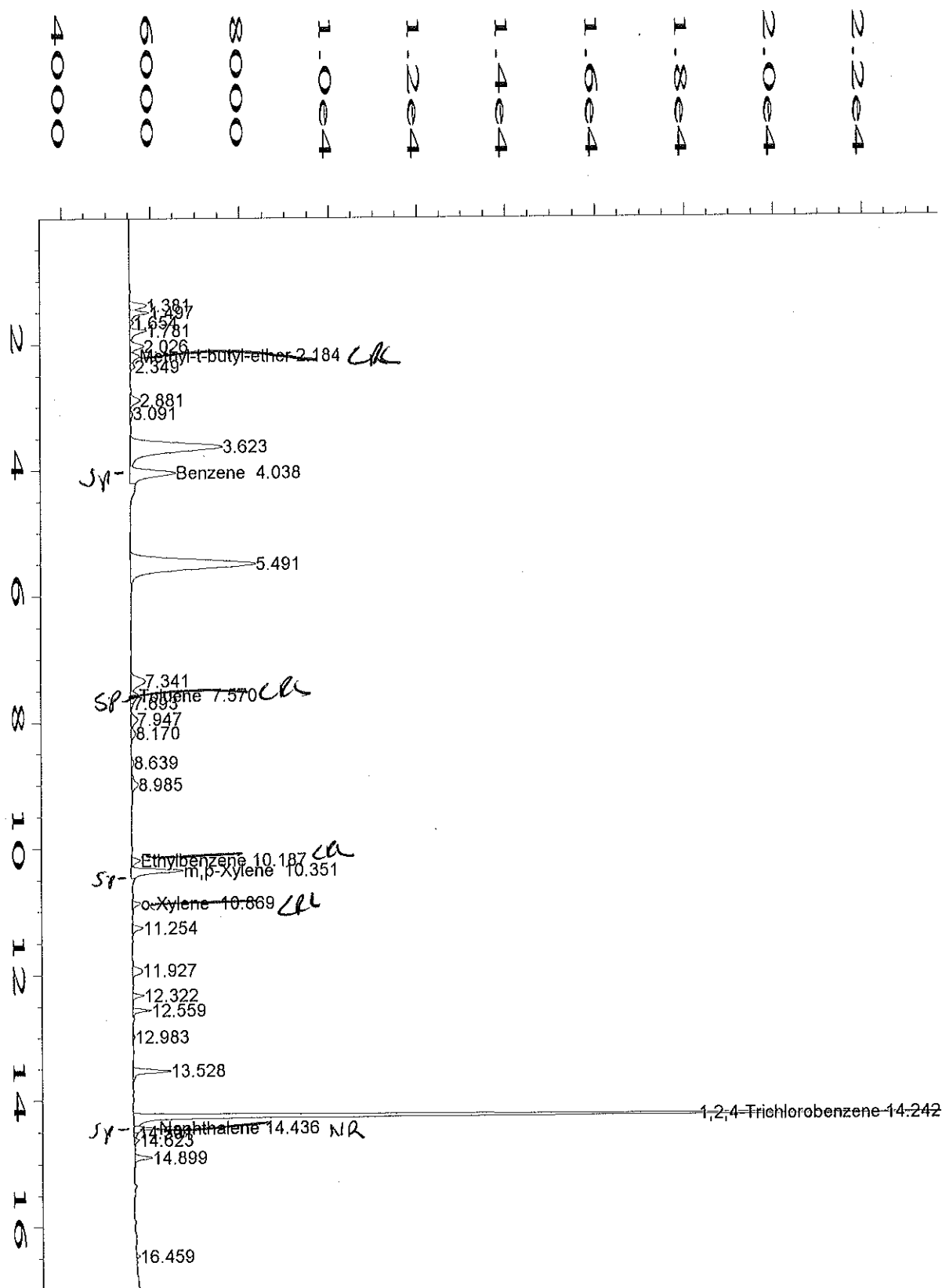
Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/18/07

user modified



Data File Name : C:\HPCHEM\2\DATA\TVB20916\005R0101.D

Operator : halej jones

Instrument : TVHBTEX2

Sample Name : 07-6648-03A

Run Time Bar Code:

Acquired on : 16 Sep 07 01:32 PM

Report Created on: 17 Sep 07 09:58 AM

Last Recalib on : 10 SEP 07 10:26 AM

Multiplier : 1

Page Number : 1

Vial Number : 5

Injection Number : 1

Sequence Line : 1

Instrument Method: TW20202A.MTH

Analysis Method : BW20907.MTH

Sample Amount : 0

ISTD Amount :

# Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS1

Lab Work Order 07-6648

Client Project ID: 5369

Lab Sample ID: 07-6648-04A

Date Collected: 9/13/07

Sample Matrix: Water

Date Received: 9/14/07

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/16/07

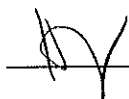
Lab File ID: TVB20916\035R

Dilution Factor: 1

Date Analyzed: 9/17/07

Method Blank: MB2091607-2

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	86	QC Limits: 60-140	%REC



Analyst



Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

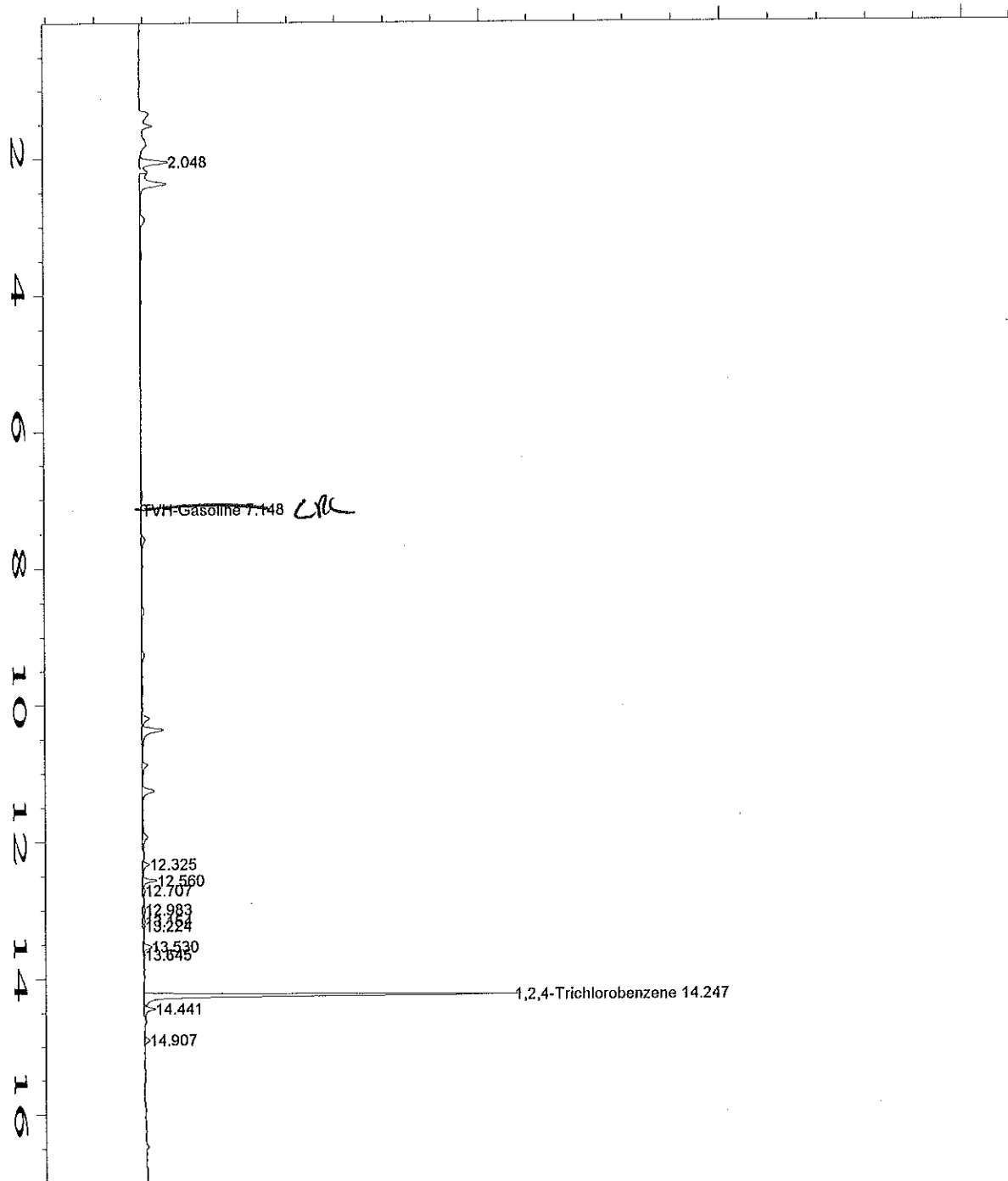
Print Date: 9/18/07

1.0e4

2.0e4

3.0e4

4.0e4



Data File Name : C:\HPCHEM\2\DATA\TVB20916\035F0101.D  
 Operator : haley jones  
 Instrument : TVHBTEX2  
 Sample Name : 07-6648-04A  
 Run Time Bar Code:  
 Acquired on : 17 Sep 07 08:13 AM  
 Report Created on: 17 Sep 07 08:30 AM  
 Last Recalib on : 22 MAY 07 09:03 AM  
 Multiplier : 1  
 Sample Info : SAMP  
 DF=1

Page Number : 1  
 Vial Number : 35  
 Injection Number : 1  
 Sequence Line : 1  
 Instrument Method: TW20202A.MTH  
 Analysis Method : TW20202A.MTH  
 Sample Amount : 0  
 ISTD Amount :

65  
13  
0

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS2  
Client Project ID: 5369  
Date Collected: 9/13/07  
Date Received: 9/14/07

Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-05A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

**Method: SW8021B**

**Prep Method: SW5030B**

Date Prepared: 9/16/07

Lab File ID: TVB20916\012R

Dilution Factor: 1

Date Analyzed: 9/16/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	87	QC Limits: 60-140	%REC

Date Prepared: 9/25/07

Lab File ID: TVB20925\022R

Dilution Factor: 1

Date Analyzed: 9/25/07

Method Blank: MB2092507

Analytes	CAS Number	Result	LQL	Units
m,p-Xylene	1330-20-7	U H	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	88	QC Limits: 60-140	%REC



Analyst



Approved

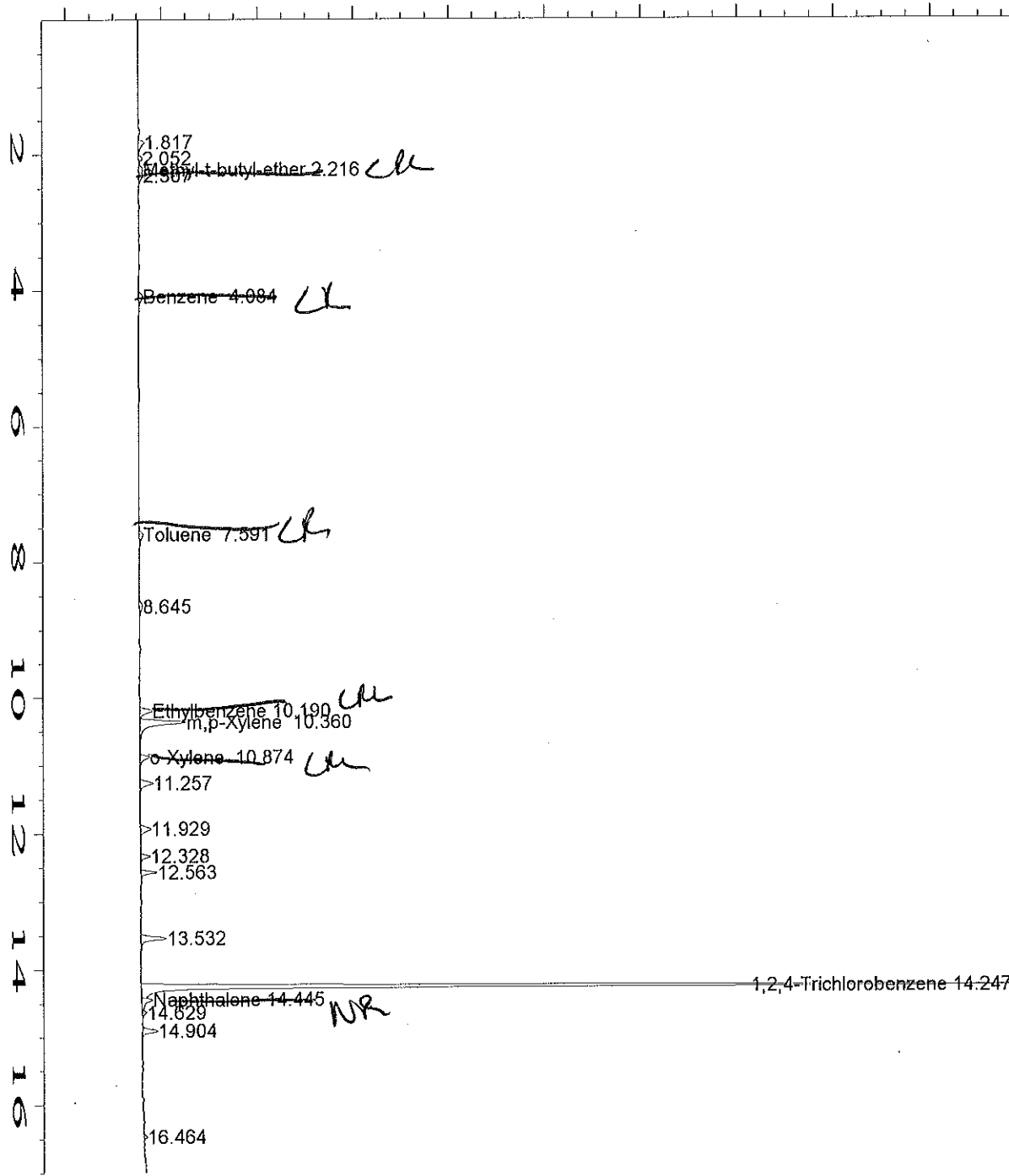
Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

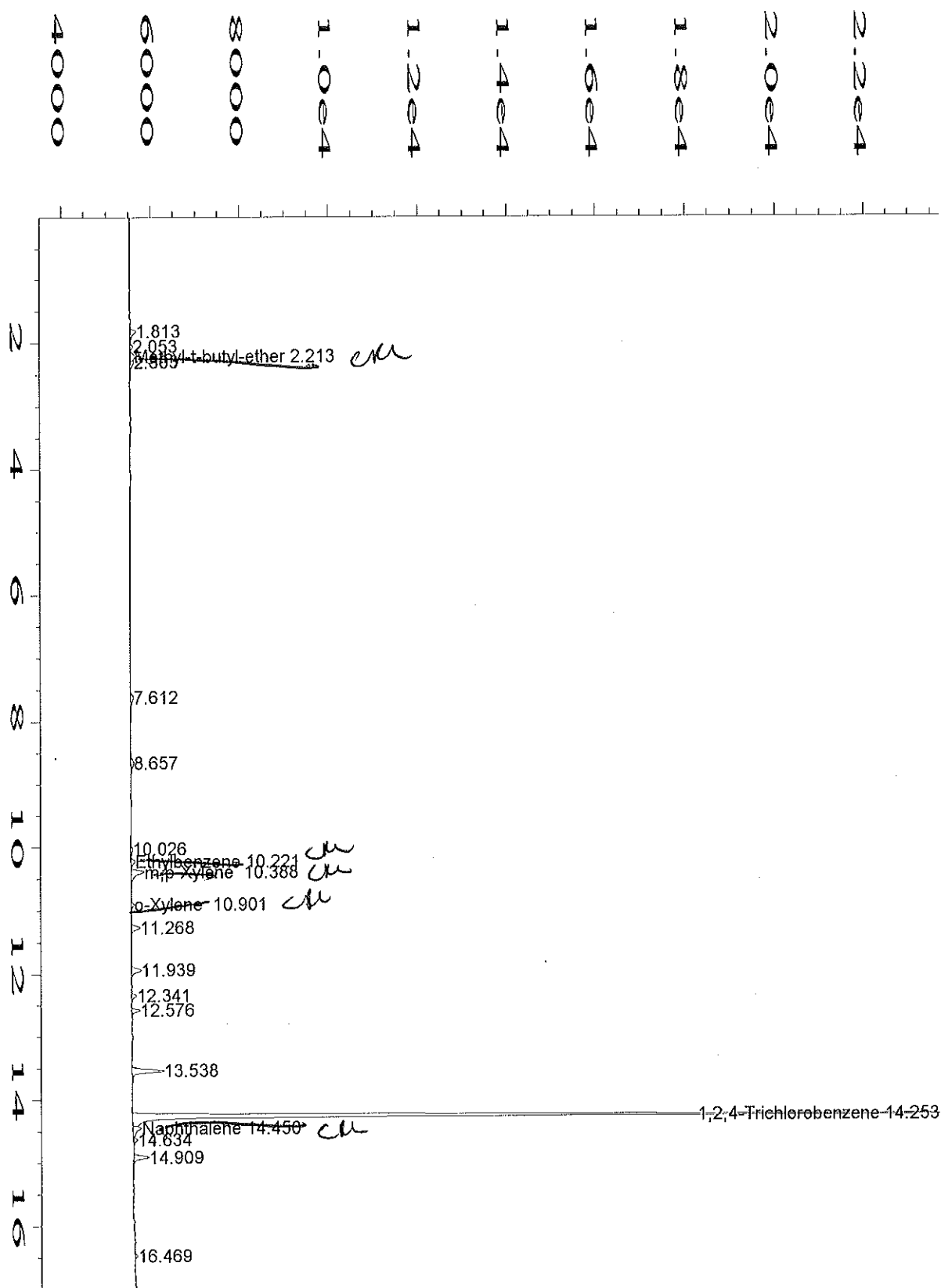
Print Date: 9/27/07

4000  
6000  
8000  
1.0e4  
1.2e4  
1.4e4  
1.6e4  
1.8e4  
2.0e4  
2.2e4



16  
9/18/07

Data File Name	: C:\HPCHEM\2\DATA\TVB20916\012R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 12
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6648-05A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method	: TW20202A.MTH
Acquired on	: 16 Sep 07 06:51 PM	Analysis Method	: BW20907.MTH
Report Created on:	: 16 Sep 07 07:08 PM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
	DF=1		



Data File Name	: C:\HPCHEM\2\DATA\TVB20925\022R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 22
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6648-05A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method	: TW20202A.MTH
Acquired on	: 25 Sep 07 09:47 PM	Analysis Method	: BW20907.MTH
Report Created on:	25 Sep 07 10:04 PM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
	DF=1		



532

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS3  
Client Project ID: 5369  
Date Collected: 9/13/07  
Date Received: 9/14/07

Lab Work Order 07-6648  
Lab Sample ID: 07-6648-06A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

**Method: SW8021B**

**Prep Method: SW5030B**

Date Prepared: 9/16/07

Lab File ID: TVB20916013R

Dilution Factor: 1

Date Analyzed: 9/16/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC



Analyst



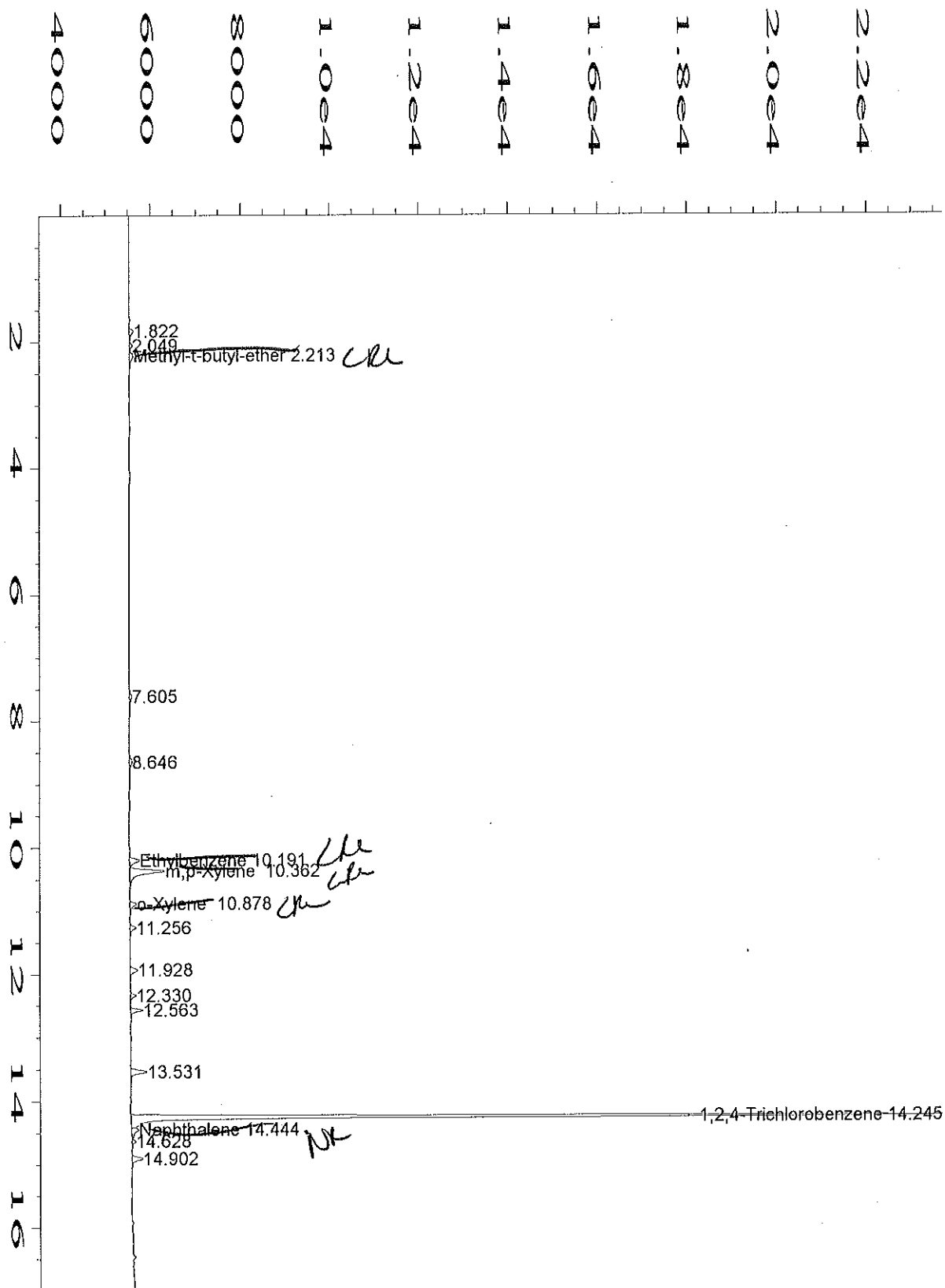
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL, exceeds MCL.

**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/18/07



Data File Name	: C:\HPCHEM\2\DATA\TVB20916\013R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 13
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6648-06A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method:	TW20202A.MTH
Acquired on	: 16 Sep 07 07:26 PM	Analysis Method	: BW20907.MTH
Report Created on:	16 Sep 07 07:43 PM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
	DF=1		

014

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS4  
Client Project ID: 5369  
Date Collected: 9/13/07  
Date Received: 9/14/07

Lab Work Order 07-6648  
Lab Sample ID: 07-6648-07A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/16/07  
Date Analyzed: 9/16/07

Lab File ID: TVB20916\014R  
Method Blank: MB2091607

Dilution Factor: 1

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	86	QC Limits: 60-140	%REC



Analyst



Approved

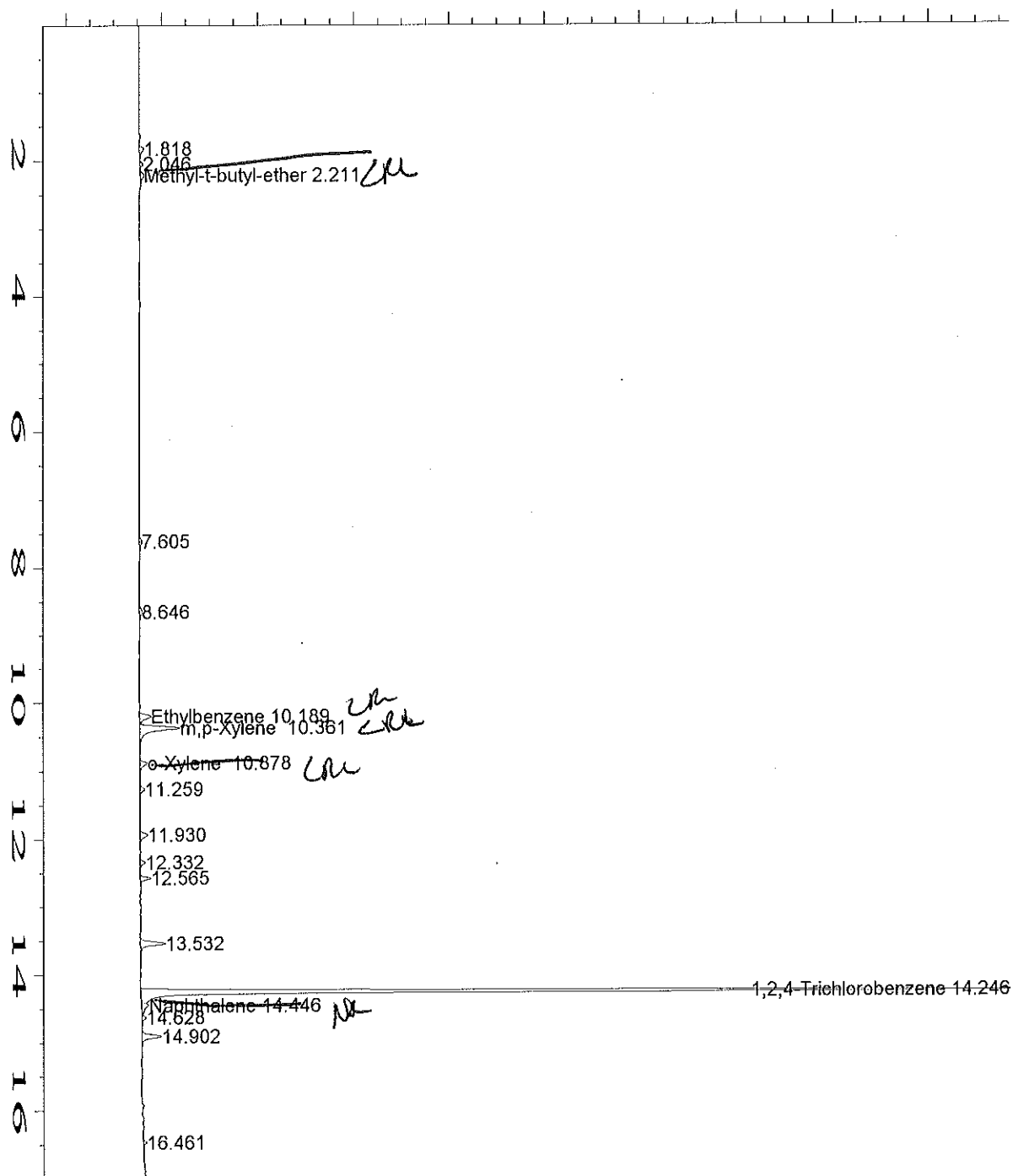
Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/18/07

2.2e4  
2.0e4  
1.8e4  
1.6e4  
1.4e4  
1.2e4  
1.0e4  
8000  
6000  
4000



Data File Name	: C:\HPCHEM\2\DATA\TVB20916\014R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 14
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6648-07A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method	: TW20202A.MTH
Acquired on	: 16 Sep 07 08:01 PM	Analysis Method	: BW20907.MTH
Report Created on:	: 16 Sep 07 08:18 PM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
	DF=1		

676

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS5  
Client Project ID: 5369  
Date Collected: 9/13/07  
Date Received: 9/14/07

Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-08A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

**Method: SW8021B**

**Prep Method: SW5030B**

Date Prepared: 9/16/07

Lab File ID: TVB20916\019R

Dilution Factor: 1

Date Analyzed: 9/16/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	88	QC Limits: 60-140	%REC

Date Prepared: 9/25/07

Lab File ID: TVB20925\023R

Dilution Factor: 1

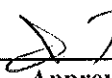
Date Analyzed: 9/25/07

Method Blank: MB2092507

Analytes	CAS Number	Result	LQL	Units
m,p-Xylene	1330-20-7	U H	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC



Analyst



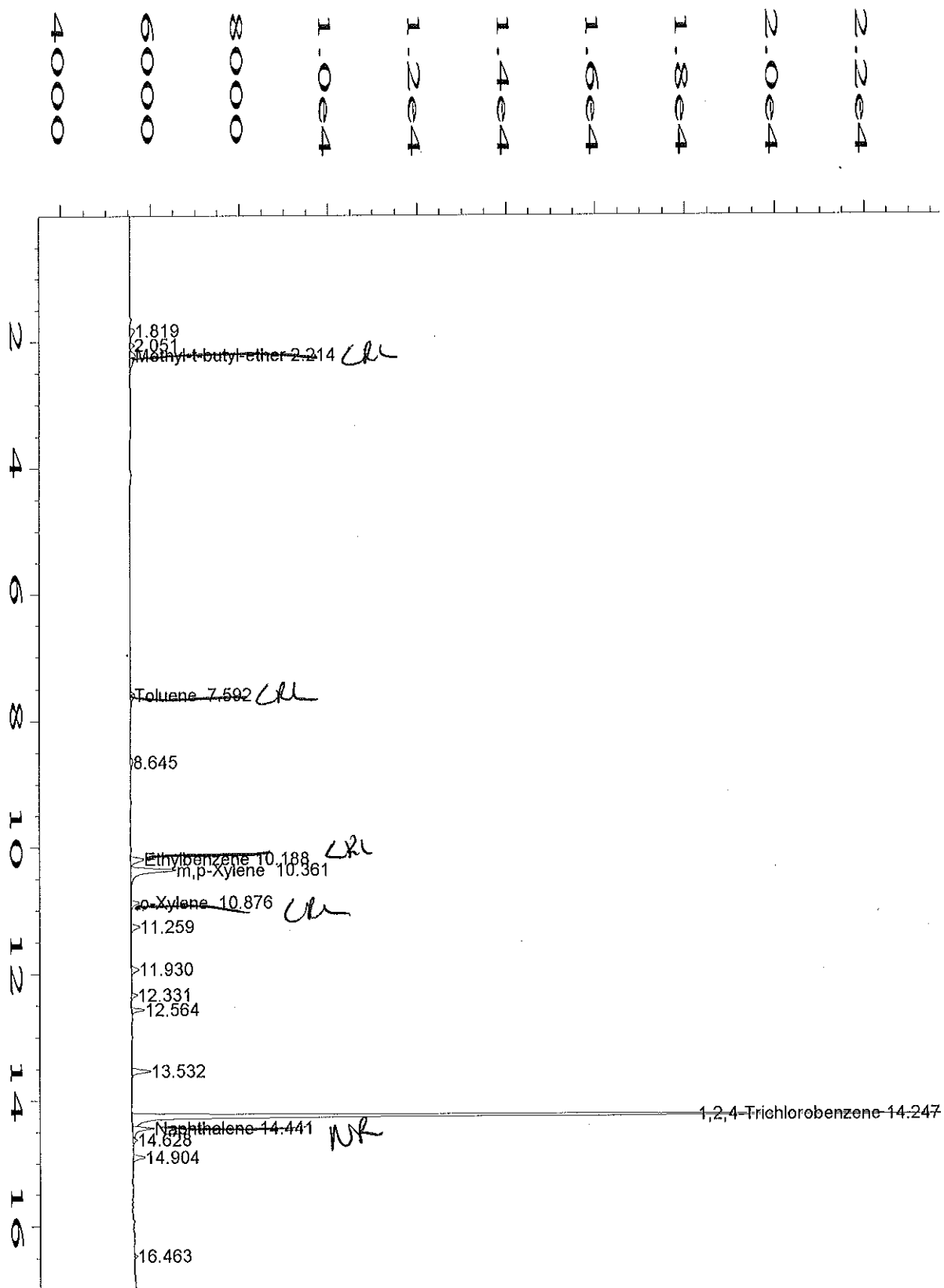
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/27/07



Data File Name : C:\HPCHEM\2\DATA\TVB20916\019R0101.D

Operator : halej jones

Instrument : TVHBTEX2

Sample Name : 07-6648-08A

Run Time Bar Code:

Acquired on : 16 Sep 07 10:54 PM

Report Created on: 16 Sep 07 11:12 PM

Last Recalib on : 10 SEP 07 10:26 AM

Multiplier : 1

Sample Info : SAMP

DF=1

Page Number : 1

Vial Number : 19

Injection Number : 1

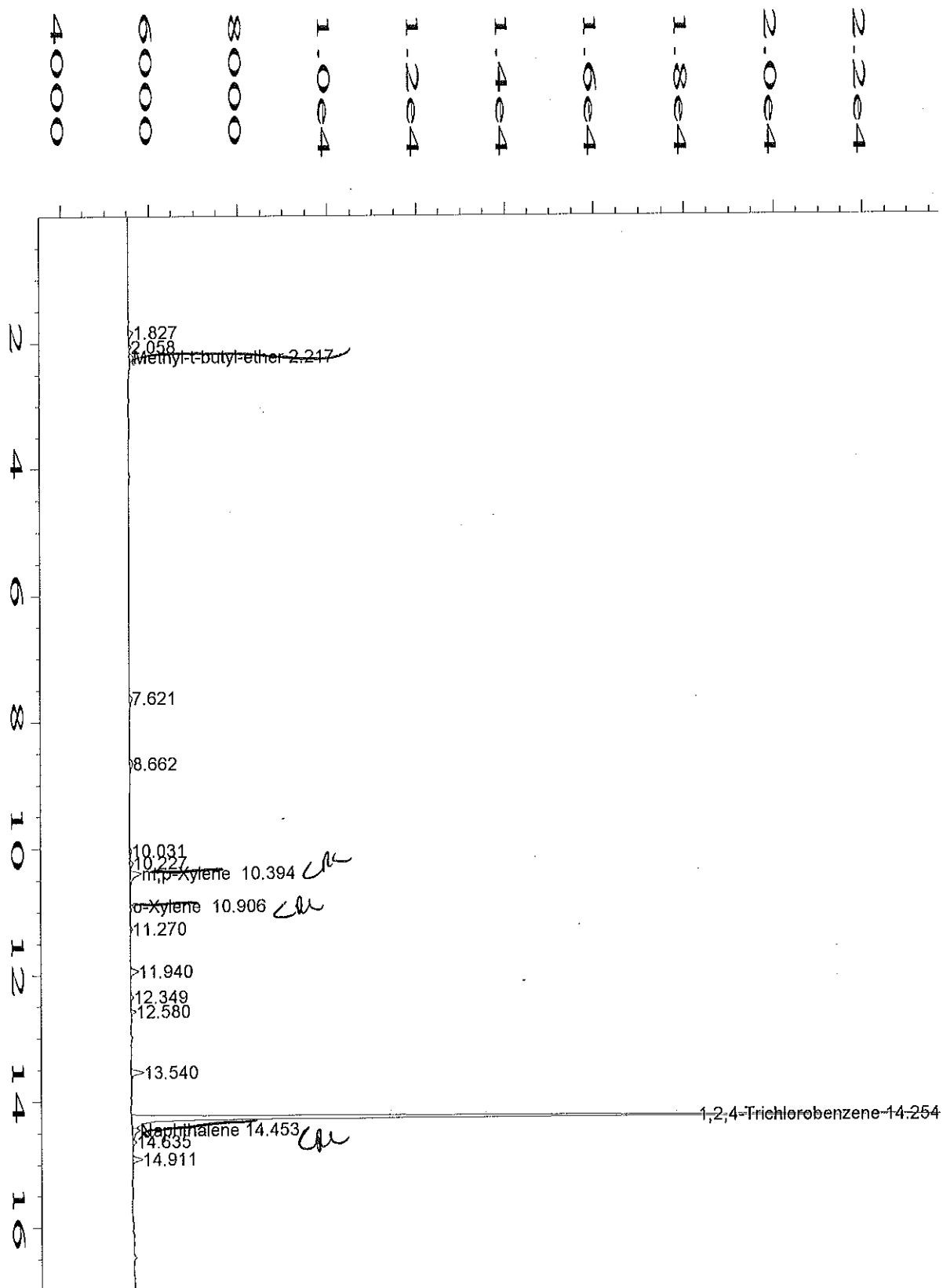
Sequence Line : 1

Instrument Method: TW20202A.MTH

Analysis Method : BW20907.MTH

Sample Amount : 0

ISTD Amount :



Data File Name	: C:\HPCHEM\2\DATA\TVB20925\023R0101.D	Page Number	: 1
Operator	: halej jones	Vial Number	: 23
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6648-08A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method:	TW20202A.MTH
Acquired on	: 25 Sep 07 10:22 PM	Analysis Method	: BW20907.MTH
Report Created on:	25 Sep 07 10:39 PM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
	DF=1		

05  
10

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS6  
Client Project ID: 5369  
Date Collected: 9/13/07  
Date Received: 9/14/07

Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-09A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

**Method: SW8021B**

**Prep Method: SW5030B**

Date Prepared: 9/16/07

Lab File ID: TVB20916\020R

Dilution Factor: 1

Date Analyzed: 9/16/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC

Date Prepared: 9/25/07

Lab File ID: TVB20925\024R

Dilution Factor: 1

Date Analyzed: 9/25/07

Method Blank: MB2092507

Analytes	CAS Number	Result	LQL	Units
m,p-Xylene	1330-20-7	U H	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC



Analyst



Approved

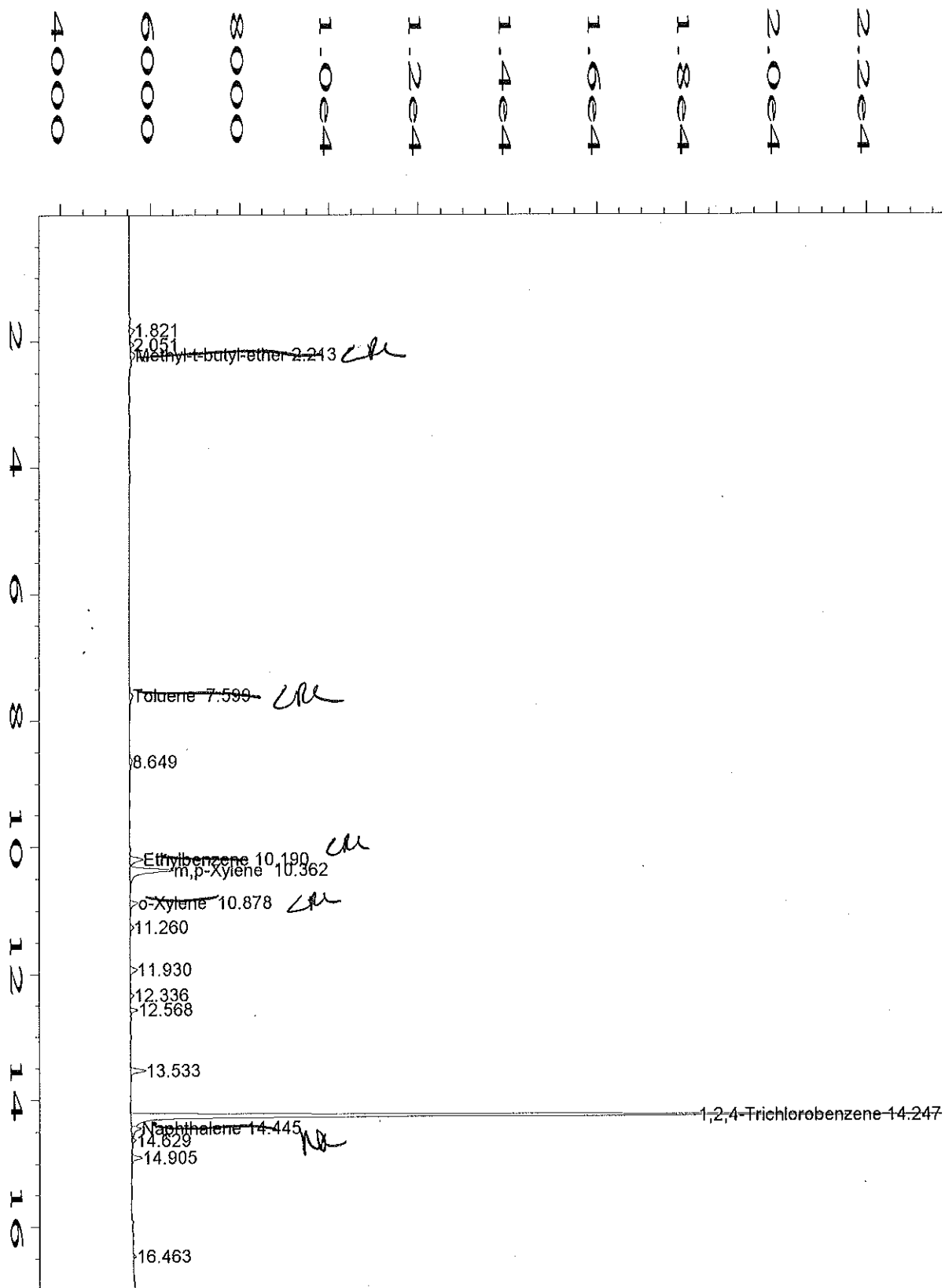
Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/27/07

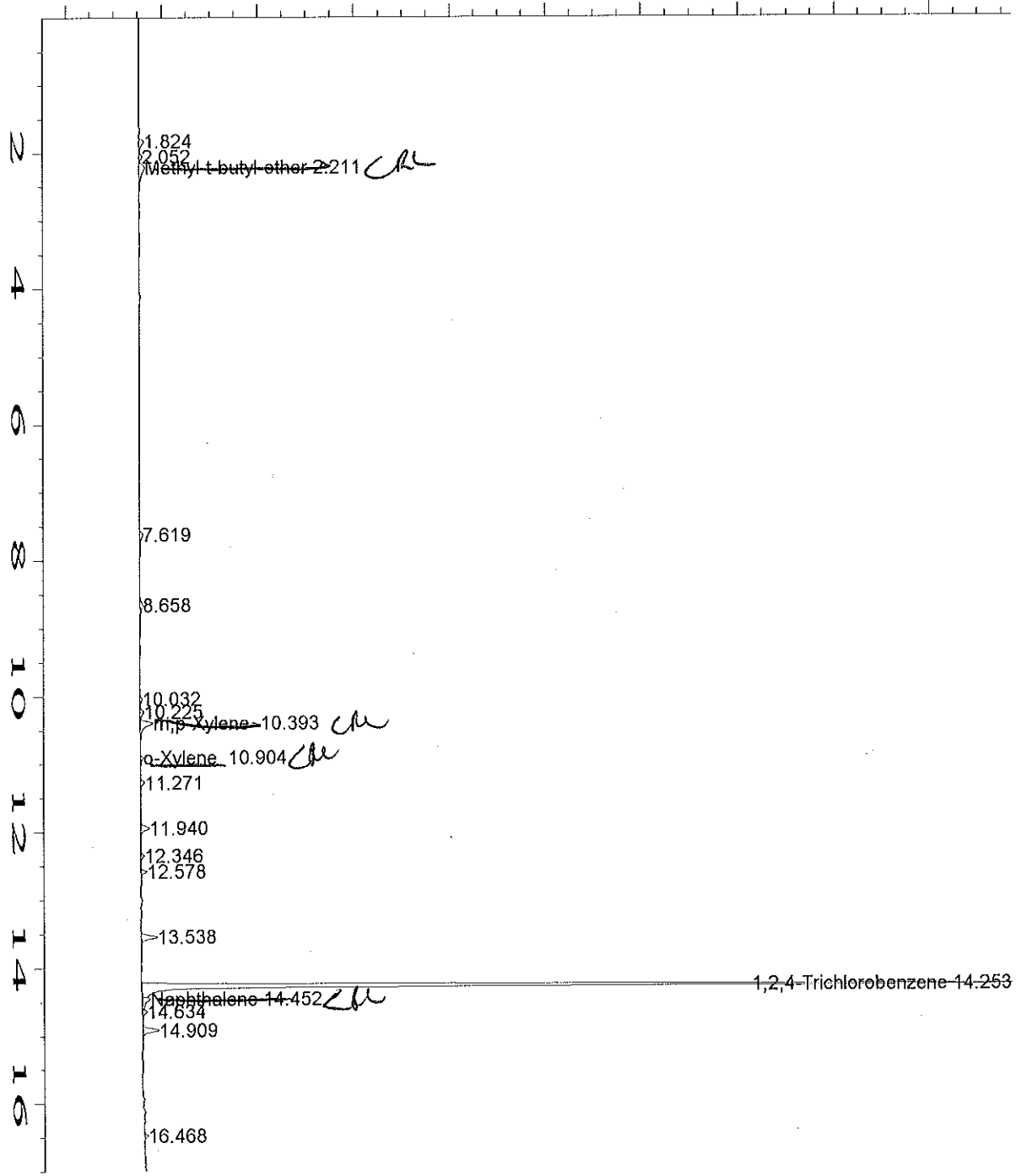




Data File Name : C:\HPCHEM\2\DATA\TVB20916\020R0101.D  
 Operator : halej jones  
 Instrument : TVHBTEX2  
 Sample Name : 07-6648-09A  
 Run Time Bar Code :  
 Acquired on : 16 Sep 07 11:29 PM  
 Report Created on : 16 Sep 07 11:47 PM  
 Last Recalib on : 10 SEP 07 10:26 AM  
 Multiplier : 1  
 Sample Info : SAMP  
 DF=1

Page Number : 1  
 Vial Number : 20  
 Injection Number : 1  
 Sequence Line : 1  
 Instrument Method : TW20202A.MTH  
 Analysis Method : BW20907.MTH  
 Sample Amount : 0  
 ISTD Amount :

2.2e4  
2.0e4  
1.8e4  
1.6e4  
1.4e4  
1.2e4  
1.0e4  
8000  
6000  
4000



Data File Name	: C:\HPCHEM\2\DATA\TVB20925\024R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 24
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6648-09A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method:	TW20202A.MTH
Acquired on	: 25 Sep 07 10:57 PM	Analysis Method	: BW20907.MTH
Report Created on:	25 Sep 07 11:14 PM	Sample Amount	: 0
Last Recalib on	: 10. SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
	DF=1		

942

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS7  
Client Project ID: 5369  
Date Collected: 9/13/07  
Date Received: 9/14/07

Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-10A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

**Method: SW8021B**

**Prep Method: SW5030B**

Date Prepared: 9/16/07  
Date Analyzed: 9/17/07

Lab File ID: TVB20916\021R  
Method Blank: MB2091607

Dilution Factor: 1

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	84	QC Limits: 60-140	%REC

Date Prepared: 9/25/07  
Date Analyzed: 9/25/07

Lab File ID: TVB20925\025R  
Method Blank: MB2092507

Dilution Factor: 1

Analytes	CAS Number	Result	LQL	Units
m,p-Xylene	1330-20-7	U H	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	83	QC Limits: 60-140	%REC



Analyst



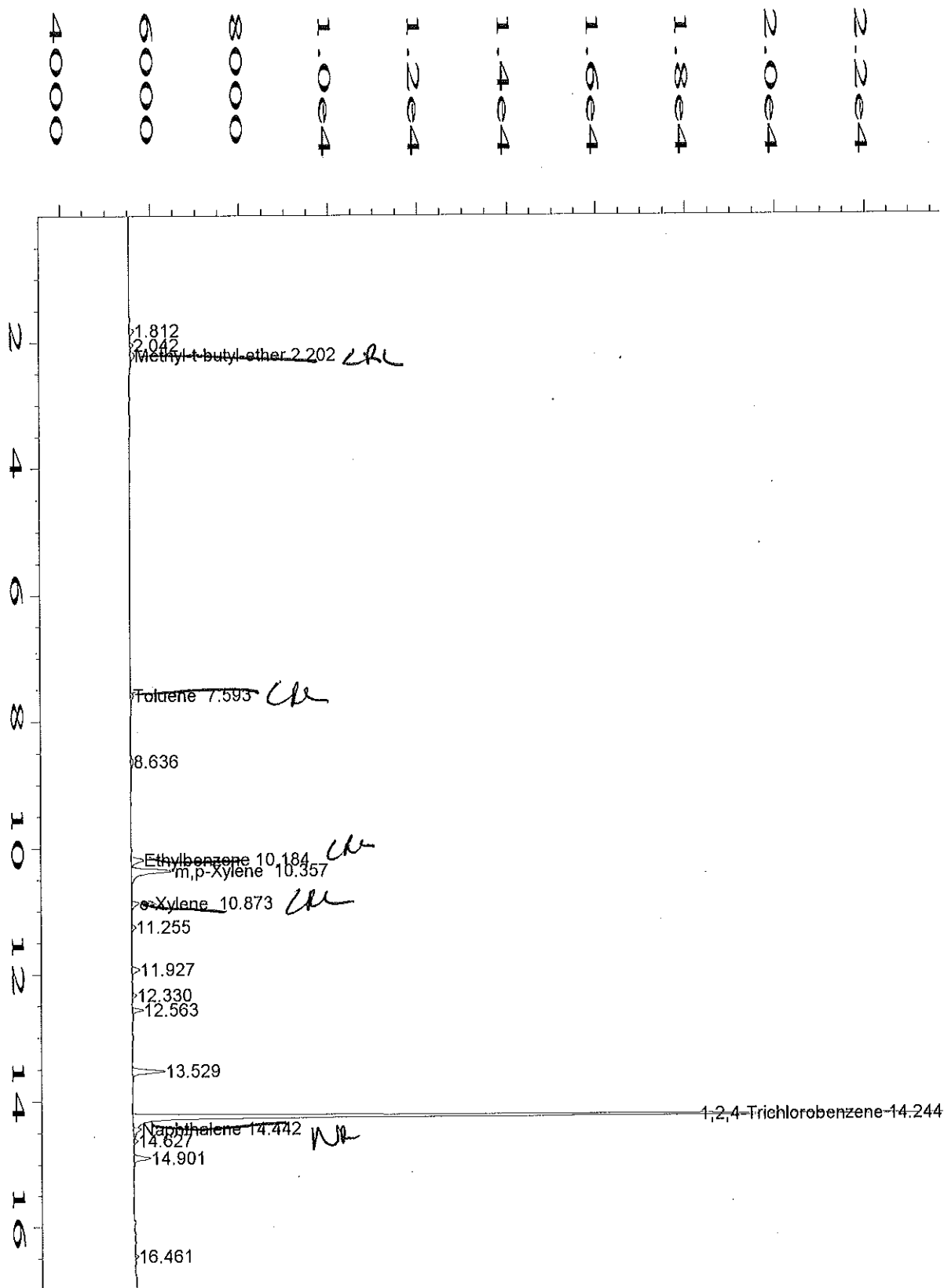
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

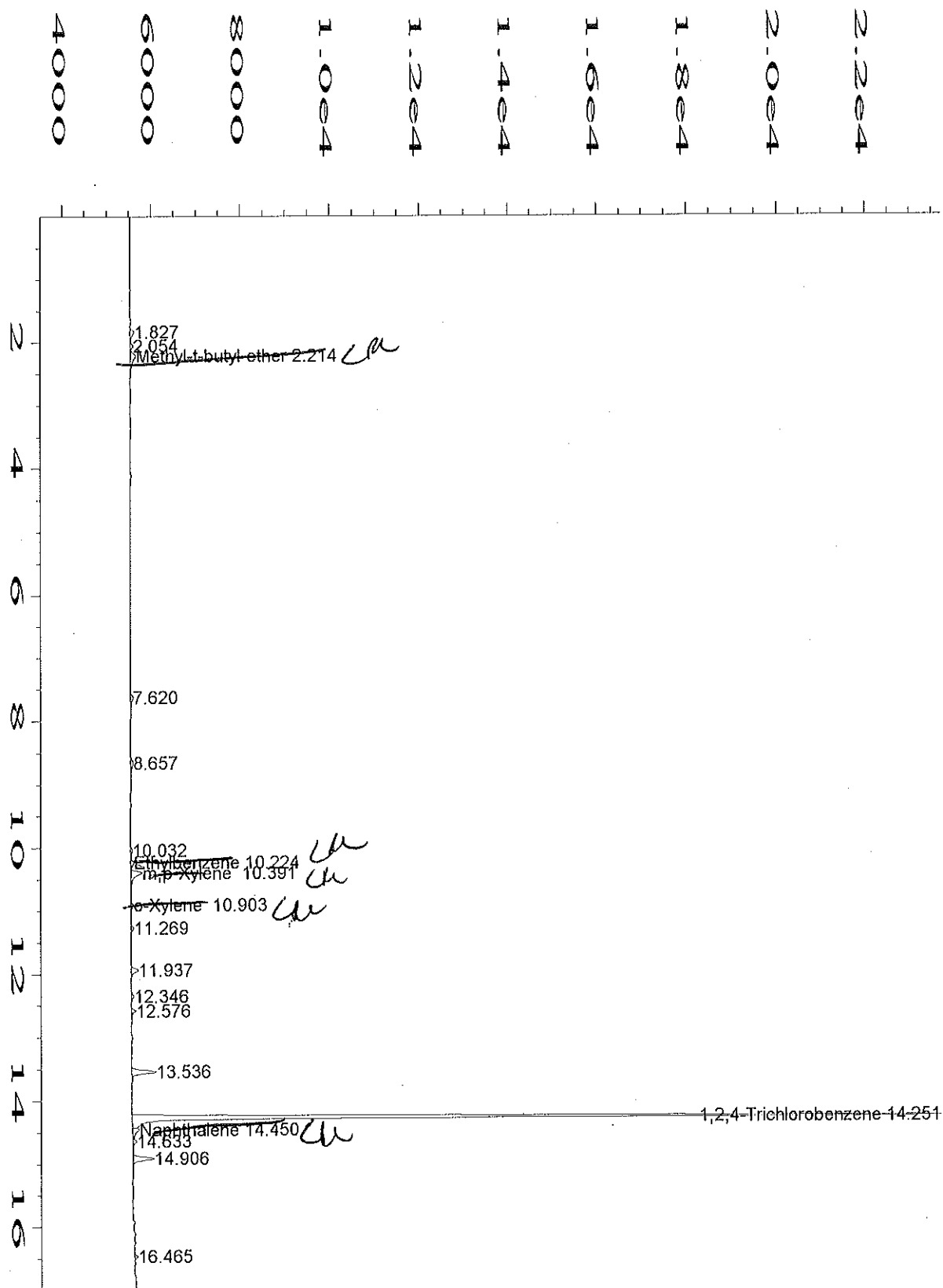
**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/27/07



Data File Name : C:\HPCHEM\2\DATA\TVB20916\021R0101.D  
 Operator : haley jones  
 Instrument : TVHBTEX2  
 Sample Name : 07-6648-10A  
 Run Time Bar Code:  
 Acquired on : 17 Sep 07 00:04 AM  
 Report Created on: 17 Sep 07 00:22 AM  
 Last Recalib on : 10 SEP 07 10:26 AM  
 Multiplier : 1  
 Sample Info : SAMP  
 DF=1

Page Number : 1  
 Vial Number : 21  
 Injection Number : 1  
 Sequence Line : 1  
 Instrument Method: TW20202A.MTH  
 Analysis Method : BW20907.MTH  
 Sample Amount : 0  
 ISTD Amount :



Data File Name : C:\HPCHEM\2\DATA\TVB20925\025R0101.D  
 Operator : halej jones  
 Instrument : TVHBTEX2  
 Sample Name : 07-6648-10A  
 Run Time Bar Code:  
 Acquired on : 25 Sep 07 11:32 PM  
 Report Created on: 25 Sep 07 11:49 PM  
 Last Recalib on : 10 SEP 07 10:26 AM  
 Multiplier : 1  
 Sample Info : SAMP  
 DF=1

Page Number : 1  
 Vial Number : 25  
 Injection Number : 1  
 Sequence Line : 1  
 Instrument Method: TW20202A.MTH  
 Analysis Method : BW20907.MTH  
 Sample Amount : 0  
 ISTD Amount :

S  
-E  
L

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS8  
Client Project ID: 5369  
Date Collected: 9/13/07  
Date Received: 9/14/07

Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-11A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/16/07

Lab File ID: TVB20916\022R

Dilution Factor: 1

Date Analyzed: 9/17/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	86	QC Limits: 60-140	%REC

Date Prepared: 9/25/07

Lab File ID: TVB20925\026R

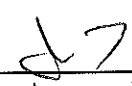
Dilution Factor: 1

Date Analyzed: 9/26/07

Method Blank: MB2092507

Analytes	CAS Number	Result	LQL	Units
m,p-Xylene	1330-20-7	U H	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC

  
\_\_\_\_\_  
Analyst

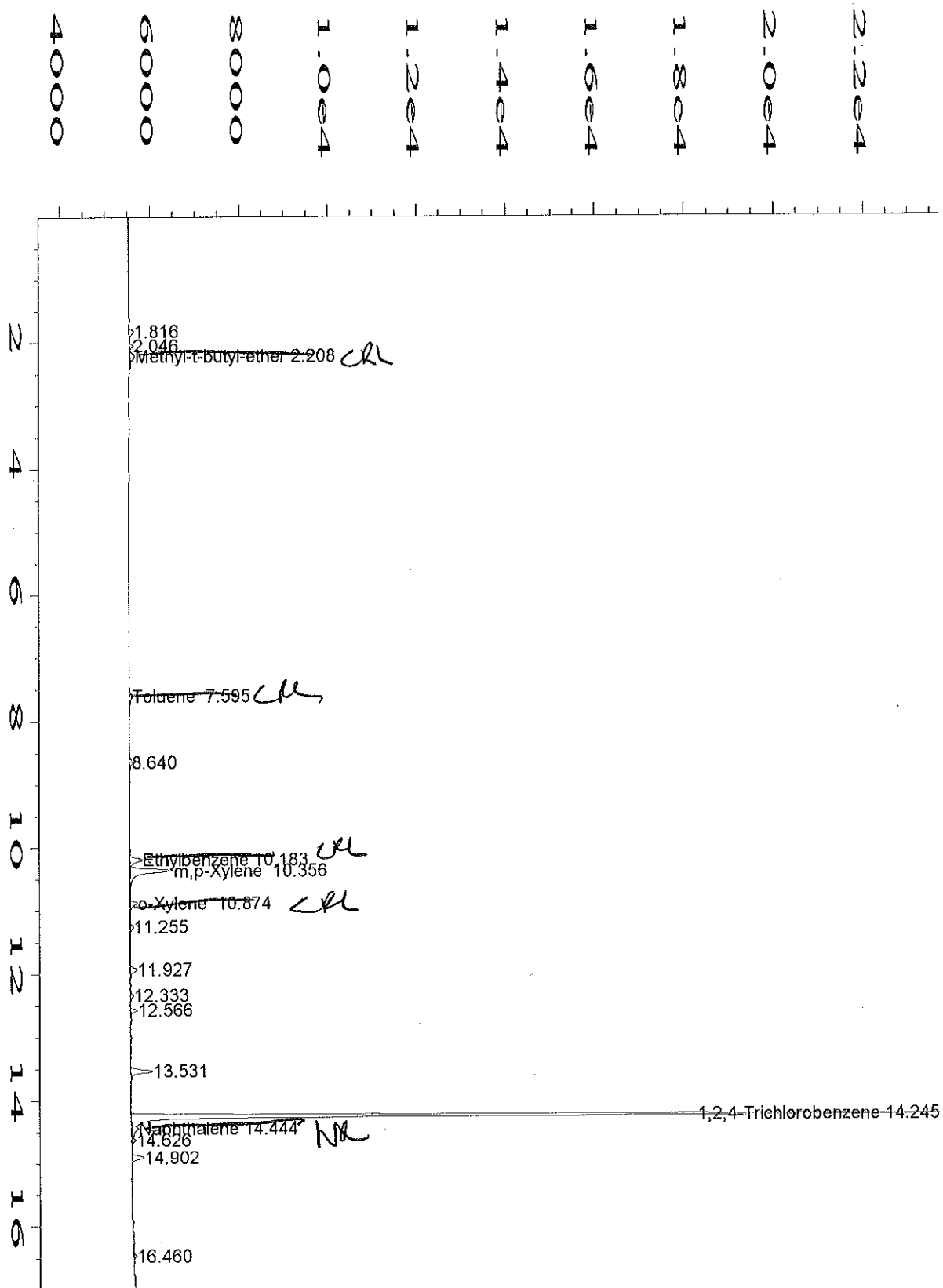
  
\_\_\_\_\_  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

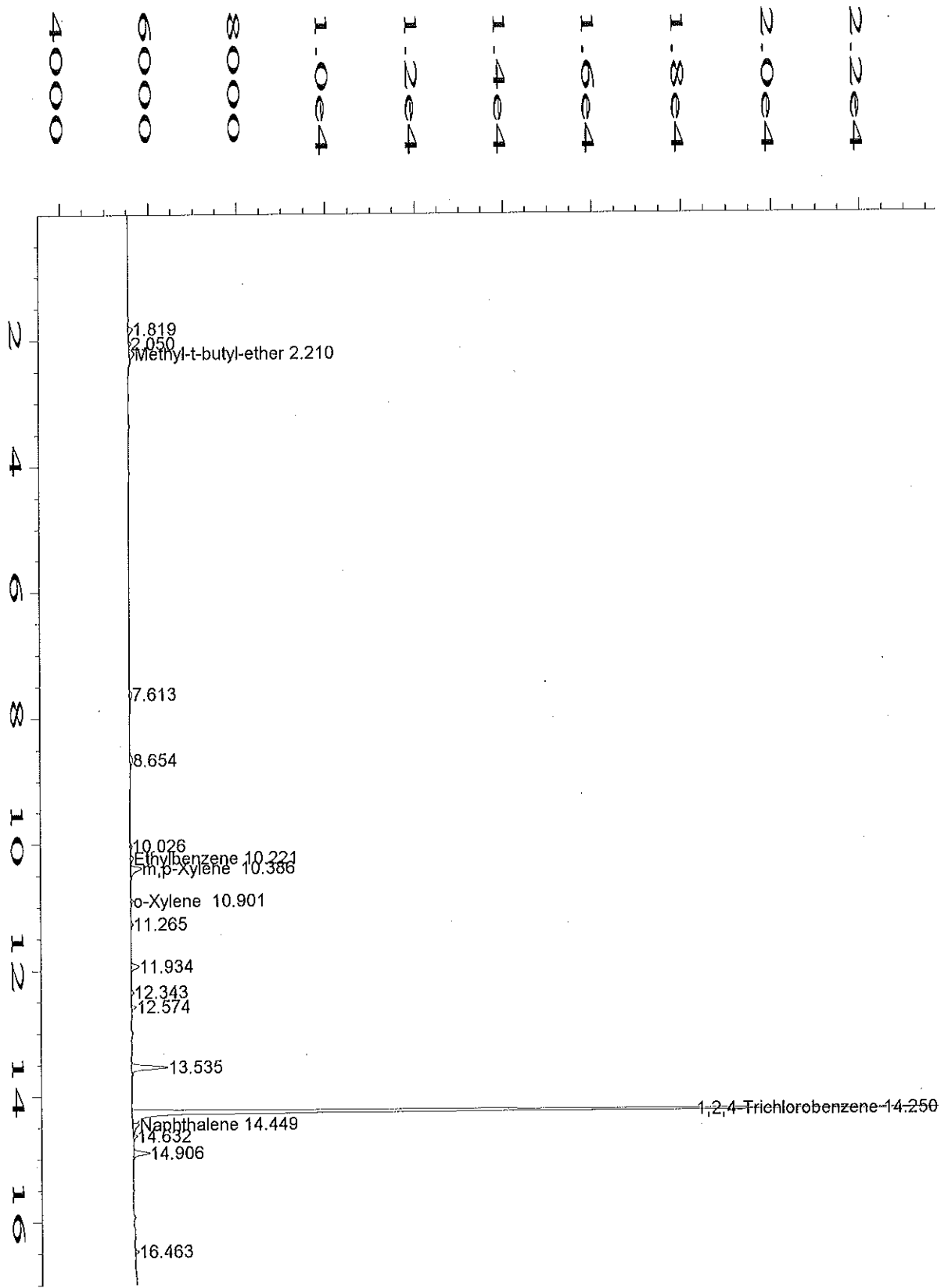
Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/27/07



Data File Name	: C:\HPCHEM\2\DATA\TVB20916\022R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 22
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6648-11A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method	: TW20202A.MTH
Acquired on	: 17 Sep 07 00:39 AM	Analysis Method	: BW20907.MTH
Report Created on:	: 17 Sep 07 00:56 AM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
	DF=1		



Data File Name	: C:\HPCHEM\2\DATA\TVB20925\026R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 26
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6648-11A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method:	TW20202A.MTH
Acquired on	: 26 Sep 07 00:07 AM	Analysis Method	: BW20907.MTH
Report Created on:	26 Sep 07 00:24 AM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
	DF=1		



**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS0  
Client Project ID: 5369  
Date Collected: 9/13/07  
Date Received: 9/14/07

Lab Work Order 07-6648  
Lab Sample ID: 07-6648-12A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/16/07

Lab File ID: TVB20916\023R

Dilution Factor: 1

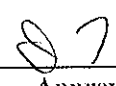
Date Analyzed: 9/17/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	84	QC Limits: 60-140	%REC



Analyst



Approved

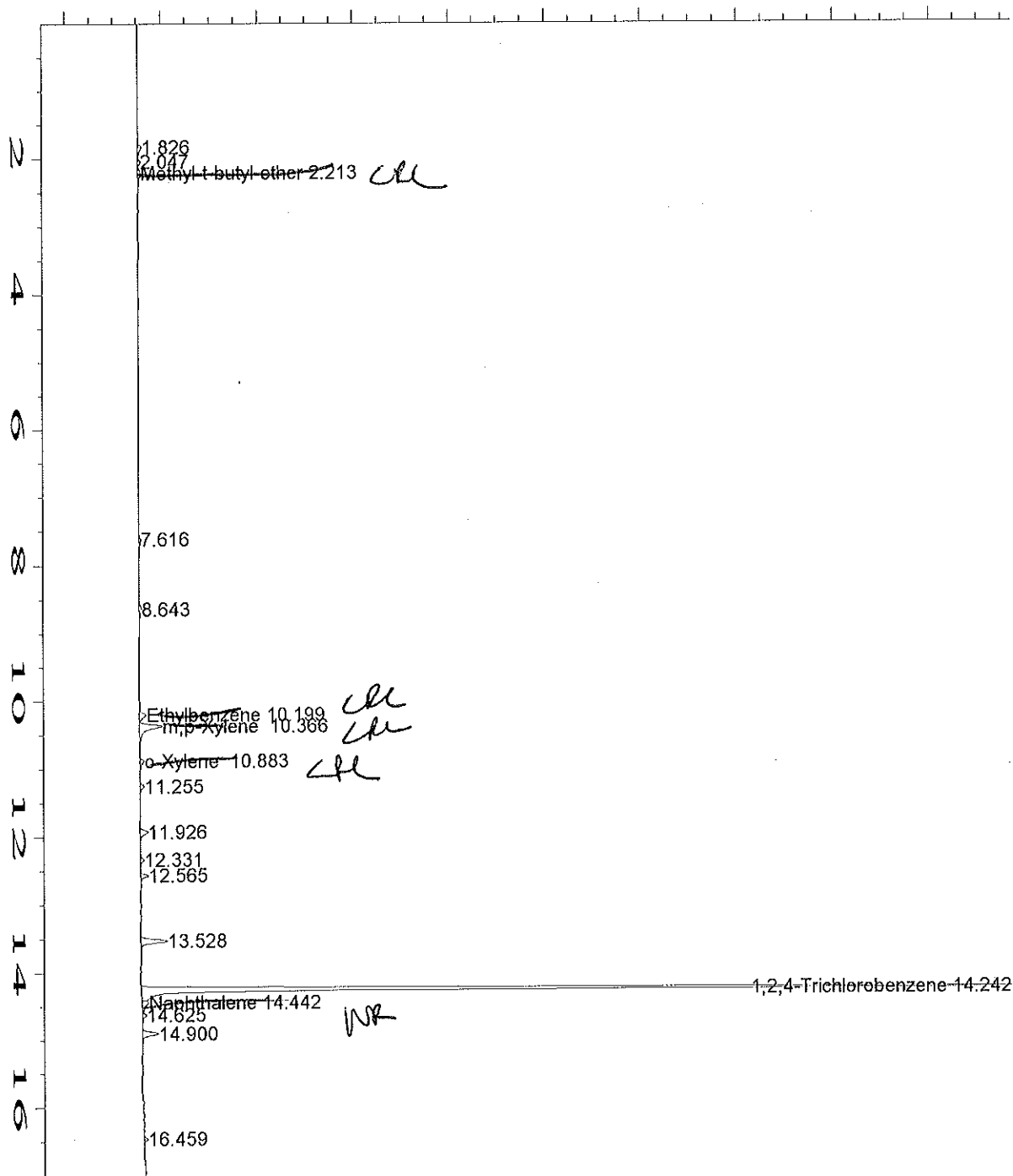
Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/18/07

2.2e4  
2.0e4  
1.8e4  
1.6e4  
1.4e4  
1.2e4  
1.0e4  
8000  
6000  
4000



Data File Name : C:\HPCHEM\2\DATA\TVB20916\023R0101.D  
 Operator : haley jones  
 Instrument : TVHBTEX2  
 Sample Name : 07-6648-12A  
 Run Time Bar Code:  
 Acquired on : 17 Sep 07 01:14 AM  
 Report Created on: 17 Sep 07 01:31 AM  
 Last Recalib on : 10 SEP 07 10:26 AM  
 Multiplier : 1  
 Sample Info : SAMP  
 DF=1

Page Number : 1  
 Vial Number : 23  
 Injection Number : 1  
 Sequence Line : 1  
 Instrument Method: TW20202A.MTH  
 Analysis Method : BW20907.MTH  
 Sample Amount : 0  
 ISTD Amount :

# Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Project ID 5369  
Collection Date: 9/13/07

Lab Order: 07-6648  
Date Received: 9/14/07  
Units:  $\mu\text{mhos/cm}$

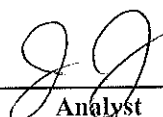
## Specific Conductance @ 25°C Specific Conductance

Method: SM2510 B

Prep Method:

Lab ID	Client ID	Matrix	Date Prepared	Date Analyzed	Results	LQL	DF
07-6648-01B	091307-MW4	Water	9/20/07	9/20/07	646	1.00	1
07-6648-02B	091307-MW14	Water	9/20/07	9/20/07	756	1.00	1
07-6648-03B	091307-MW9	Water	9/20/07	9/20/07	733	1.00	1
07-6648-04B	091307-DCS1	Water	9/20/07	9/20/07	849	1.00	1
07-6648-05B	091307-DCS2	Water	9/20/07	9/20/07	827	1.00	1
07-6648-06B	091307-DCS3	Water	9/20/07	9/20/07	837	1.00	1
07-6648-07B	091307-DCS4	Water	9/20/07	9/20/07	804	1.00	1
07-6648-08B	091307-DCS5	Water	9/20/07	9/20/07	829	1.00	1
07-6648-09B	091307-DCS6	Water	9/20/07	9/20/07	804	1.00	1
07-6648-10B	091307-DCS7	Water	9/20/07	9/20/07	845	1.00	1
07-6648-11B	091307-DCS8	Water	9/20/07	9/20/07	807	1.00	1
07-6648-12B	091307-DCS0	Water	9/20/07	9/20/07	790	1.00	1

Comments

  
Analyst

  
Approved

**Qualifiers:** J - Indicates an estimated value when the compound is detected, but is below the LQL.  
H - Sample analysis exceeded analytical holding time  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** DF - Dilution Factor  
LQL - Lower Quantitation Limit

Print Date: 9/24/2007

**Evergreen Analytical, Inc.**  
 4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
 (303) 425-6021

Client Project ID 5369

 Lab Order: 07-6648  
 Units: pH Units

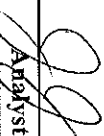
E150.1 pH

Method: E150.1

Prep Method: E150.1

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
07-6648-01B	091307-MW4	Water	9/14/07	9/13/07 0730	9/14/07	9/14/07 0745	7.69 H	1.00	1
07-6648-02B	091307-MW14	Water	9/14/07	9/13/07 0800	9/14/07	9/14/07 0745	7.20	1.00	1
07-6648-03B	091307-MW9	Water	9/14/07	9/13/07 0830	9/14/07	9/14/07 0745	7.36	1.00	1
07-6648-04B	091307-DCS1	Water	9/14/07	9/13/07 0900	9/14/07	9/14/07 0745	8.47	1.00	1
07-6648-05B	091307-DCS2	Water	9/14/07	9/13/07 0915	9/14/07	9/14/07 0745	8.45	1.00	1
07-6648-06B	091307-DCS3	Water	9/14/07	9/13/07 0930	9/14/07	9/14/07 0745	8.40	1.00	1
07-6648-07B	091307-DCS4	Water	9/14/07	9/13/07 0945	9/14/07	9/14/07 0745	8.43	1.00	1
07-6648-08B	091307-DCS5	Water	9/14/07	9/13/07 1000	9/14/07	9/14/07 0745	8.43	1.00	1
07-6648-09B	091307-DCS6	Water	9/14/07	9/13/07 1015	9/14/07	9/14/07 0745	8.46	1.00	1
07-6648-10B	091307-DCS7	Water	9/14/07	9/13/07 1030	9/14/07	9/14/07 0745	8.31	1.00	1
07-6648-11B	091307-DCS8	Water	9/14/07	9/13/07 1045	9/14/07	9/14/07 0745	8.39	1.00	1
07-6648-12B	091307-DCS0	Water	9/14/07	9/13/07 1100	9/14/07	9/14/07 0745	8.43	1.00	1

Comments:


  
 Analyst


  
 Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL

H - Sample analysis exceeded analytical holding time

U - Compound analyzed for but not detected

X - See case narrative

\* - Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor

LQL - Lower Quantitation Limit

Print Date: 9/24/2007

# Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Project ID 5369  
Collection Date: 9/13/07 0730

Lab Order: 07-6648  
Date Received: 9/14/07  
Units: mg/L

## Total Dissolved Solids (TDS)

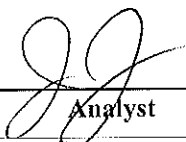
### Total Dissolved Solids

Method: SM 2540C

Prep Method:

Lab ID	Client ID	Matrix	Date Prepared	Date Analyzed	Results	LQL	DF
07-6648-01B	091307-MW4	Water	9/19/07	9/19/07 0000	451	10.0	1
07-6648-02B	091307-MW14	Water	9/19/07	9/19/07 0000	544	10.0	1
07-6648-03B	091307-MW9	Water	9/19/07	9/19/07 0000	507	10.0	1
07-6648-04B	091307-DCS1	Water	9/19/07	9/19/07 0000	587	10.0	1
07-6648-05B	091307-DCS2	Water	9/19/07	9/19/07 0000	579	10.0	1
07-6648-06B	091307-DCS3	Water	9/19/07	9/19/07 0000	602	10.0	1
07-6648-07B	091307-DCS4	Water	9/19/07	9/19/07 0000	589	10.0	1
07-6648-08B	091307-DCS5	Water	9/19/07	9/19/07 0000	571	10.0	1
07-6648-09B	091307-DCS6	Water	9/19/07	9/19/07 0000	574	10.0	1
07-6648-10B	091307-DCS7	Water	9/19/07	9/19/07 0000	564	10.0	1
07-6648-11B	091307-DCS8	Water	9/19/07	9/19/07 0000	555	10.0	1
07-6648-12B	091307-DCS0	Water	9/19/07	9/19/07 0000	568	10.0	1

Comments

  
Analyst

  
Approved

**Qualifiers:** J - Indicates an estimated value when the compound is detected, but is below the LQL  
H - Sample analysis exceeded analytical holding time  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** DF - Dilution Factor  
LQL - Lower Quantitation Limit

Print Date: 9/24/2007

5  
9  
4

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Project ID 5369  
Date Received: 9/14/07

Lab Order: 07-6648  
Date Prepared: 9/14/07  
Units: mg/L

**Dissolved Metals**

**Sodium**

Method: SW6010B

Prep Method: E200.7/SW3010A

Lab ID	Client ID	Matrix	Date Collected	Date Analyzed	Results	LQL	DF
07-6648-01C	091307-MW4	Water	9/13/07	9/17/07	140	0.40	1
07-6648-02C	091307-MW14	Water	9/13/07	9/17/07	82	0.40	1
07-6648-03C	091307-MW9	Water	9/13/07	9/17/07	59	0.40	1
07-6648-04C	091307-DCS1	Water	9/13/07	9/17/07	91	0.40	1
07-6648-05C	091307-DCS2	Water	9/13/07	9/17/07	99	0.40	1
07-6648-06C	091307-DCS3	Water	9/13/07	9/17/07	100	0.40	1
07-6648-07C	091307-DCS4	Water	9/13/07	9/17/07	97	0.40	1
07-6648-08C	091307-DCS5	Water	9/13/07	9/17/07	96	0.40	1
07-6648-09C	091307-DCS6	Water	9/13/07	9/17/07	94	0.40	1
07-6648-10C	091307-DCS7	Water	9/13/07	9/17/07	91	0.40	1
07-6648-11C	091307-DCS8	Water	9/13/07	9/17/07	92	0.40	1
07-6648-12C	091307-DCS0	Water	9/13/07	9/17/07	92	0.40	1



Analyst



Approved

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor  
PF - Prep Factor  
LQL - Lower Quantitation Limit

Print Date: 9/19/07

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Project ID 5369

Lab Order: 07-6648  
Units: mg/L

**Anions by IC  
Chloride**

Method: E300.0

Prep Method: E300.0

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
07-6648-01D	091307-MW4	Water	9/14/07	9/13/07 0730	9/17/07	9/17/07 1212	39.5	0.50	1
07-6648-02D	091307-MW14	Water	9/14/07	9/13/07 0800	9/17/07	9/17/07 1225	27.3	0.50	1
07-6648-03D	091307-MW9	Water	9/14/07	9/13/07 0830	9/17/07	9/17/07 1239	21.3	0.50	1
07-6648-04D	091307-DCS1	Water	9/14/07	9/13/07 0900	9/17/07	9/17/07 1253	20.2	0.50	1
07-6648-05D	091307-DCS2	Water	9/14/07	9/13/07 0915	9/17/07	9/17/07 1306	21.1	0.50	1
07-6648-06D	091307-DCS3	Water	9/14/07	9/13/07 0930	9/17/07	9/17/07 1320	20.2	0.50	1
07-6648-07D	091307-DCS4	Water	9/14/07	9/13/07 0945	9/17/07	9/17/07 1334	20.0	0.50	1
07-6648-08D	091307-DCS5	Water	9/14/07	9/13/07 1000	9/17/07	9/17/07 1348	20.0	0.50	1
07-6648-09D	091307-DCS6	Water	9/14/07	9/13/07 1015	9/17/07	9/17/07 1401	19.2	0.50	1
07-6648-10D	091307-DCS7	Water	9/14/07	9/13/07 1030	9/17/07	9/17/07 1415	18.4	0.50	1
07-6648-11D	091307-DCS8	Water	9/14/07	9/13/07 1045	9/17/07	9/17/07 1456	18.6	0.50	1
07-6648-12D	091307-DCS0	Water	9/14/07	9/13/07 1100	9/17/07	9/17/07 1510	18.9	0.50	1

Comments:

*[Signature]*  
Analyst

*[Signature]*  
Approved

**Qualifiers:** J - Indicates an estimated value when the compound is detected, but is below the LQL  
H - Sample analysis exceeded analytical holding time  
U - Compound analyzed for but not detected

X - See case narrative

\* - Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** DF - Dilution Factor  
LQL - Lower Quantitation Limit

Print Date: 9/17/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Project ID 5369

Lab Order: 07-6648  
Units: mg/L

## RSKSOP-175M Headspace

Method: RSKSOP175M


Methane

Prep Method: RSKSOP175M

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
07-6648-01E	091307-MW4	Water	9/14/07	9/13/07	9/19/07	9/19/07	5.6	0.040	50
07-6648-02E	091307-MW14	Water	9/14/07	9/13/07	9/19/07	9/19/07	2.8	0.040	50
07-6648-03E	091307-MW9	Water	9/14/07	9/13/07	9/19/07	9/19/07	5.4	0.040	50
07-6648-04E	091307-DCS1	Water	9/14/07	9/13/07	9/19/07	9/19/07	0.0018	0.00080	1
07-6648-05E	091307-DCS2	Water	9/14/07	9/13/07	9/19/07	9/19/07	0.020	0.00080	1
07-6648-06E	091307-DCS3	Water	9/14/07	9/13/07	9/19/07	9/19/07	0.0025	0.00080	1
07-6648-07E	091307-DCS4	Water	9/14/07	9/13/07	9/19/07	9/19/07	0.0058	0.00080	1
07-6648-08E	091307-DCS5	Water	9/14/07	9/13/07	9/19/07	9/19/07	0.0055	0.00080	1
07-6648-09E	091307-DCS6	Water	9/14/07	9/13/07	9/19/07	9/19/07	0.0086	0.00080	1
07-6648-10E	091307-DCS7	Water	9/14/07	9/13/07	9/19/07	9/19/07	0.0072	0.00080	1
07-6648-11E	091307-DCS8	Water	9/14/07	9/13/07	9/19/07	9/19/07	0.0064	0.00080	1
07-6648-12E	091307-DCS0	Water	9/14/07	9/13/07	9/19/07	9/19/07	0.0050	0.00080	1

Comments:


  
Analyst


  
Approved

## Qualifiers:

J - Indicates an estimated value when the compound is detected, but is below the LQL

H - Sample analysis exceeded analytical holding time

U - Compound analyzed for but not detected

X - See case narrative

\* Value exceeds Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

## Definitions:

DF - Dilution Factor

LQL - Lower Quantitation Limit

Print Date: 9/19/07



## **QUALITY ASSURANCE REPORTS**

METHOD BLANKS (MB, MEB)

LABORATORY CONTROL SPIKES (LCS)

MATRIX SPIKES (MS/MSD)\*

DUPLICATES (DUP)\*

**\*Only included if requested or if performed on this client's samples.**

Evergreen Analytical, Inc.

Date: 27-Sep-07

Work Order: 07-6648  
Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

BatchID: R34382

Sample ID: MB2091607		SampType: MBLK		TestCode: 8021_W		Run ID: TVHBTEX2_070916A		Prep Date: 9/16/07		Units: µg/L	
Batch ID: R34382		TestNo: SW8021B		FileID: TVB209161003R		Analysis Date: 9/16/07		SeqNo: 612570			
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl-t-butyl ether	U	4.0									
Benzene	U	1.0									
Toluene	U	2.0									
Ethylbenzene	U	2.0									
m,p-Xylene	U	2.0									
o-Xylene	U	2.0									
Surr: 1,2,4-Trichlorobenzene (S)	97.62	0	100	0	97.8	60	140	0	0		
Sample ID: LCS2091607		SampType: LCS		TestCode: 8021_W		Run ID: TVHBTEX2_070916A		Prep Date: 9/16/07		Units: µg/L	
Batch ID: R34382		TestNo: SW8021B		FileID: TVB209161004R		Analysis Date: 9/16/07		SeqNo: 612578			
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl-t-butyl ether	30.7	4.0	31.2	0	98.4	70	130	0	0		
Benzene	23.98	1.0	25.5	0	94	70	130	0	0		
Toluene	161.6	2.0	183.6	0	88	70	130	0	0		
Ethylbenzene	35.08	2.0	36.8	0	95.3	70	130	0	0		
m,p-Xylene	132.1	2.0	136.3	0	96.9	70	130	0	0		
o-Xylene	53.21	2.0	57.2	0	93	70	130	0	0		
Surr: 1,2,4-Trichlorobenzene (S)	115.8	0	100	0	116	60	140	0	0		
Sample ID: 07-6648-03AMS		SampType: MS		TestCode: 8021_W		Run ID: TVHBTEX2_070916A		Prep Date: 9/16/07		Units: µg/L	
Client ID: 091307-AMW9		Batch ID: R34382		TestNo: SW8021B		FileID: TVB209161006R		Analysis Date: 9/16/07		SeqNo: 612573	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl-t-butyl ether	27.92	4.0	31.2	0	89.5	65	132	0	0		
Benzene	30.64	1.0	25.5	4.234	104	70	130	0	0		
Toluene	171.4	2.0	183.6	0	93.3	70	130	0	0		
Ethylbenzene	36.95	2.0	36.8	0	100	62	130	0	0		
m,p-Xylene	140.2	2.0	136.3	2.354	101	70	134	0	0		

## Qualifiers:

U - Not detected at or above the Reporting Limit  
 J - Analyte detected below quantitation limits  
 S - Spike Recovery outside acceptance limits  
 E - Extrapolated value, value exceeds calibration range  
 R - RPD outside acceptance limits  
 B - Analyte detected in the associated Method Blank  
 H - Prep or analytical holding time exceeded  
 X - See case narrative

Work Order: 07-6648  
Client Project ID: 5369

# ANALYTICAL QC SUMMARY REPORT

BatchID: R34382

Sample ID: 07-6648-03AMS	Sample Type: MS	TestCode: 8021_W	Run ID: TVHBTX2_070916A	Prep Date: 9/16/07	Units: µg/L
Client ID: 091307-MW9	Batch ID: R34382	TestNo: SW8021B	FieldID: TVB209161006R	Analysis Date: 9/16/07	SeqNo: 612573
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
o-Xylene	56.24	2.0	57.2	0	98.3 63 130 0 0
Surr: 1,2,4-Trichlorobenzene (S)	113.7	0	100	0	114 60 140 0 0
Sample ID: 07-6648-03AMSD	Sample Type: MSD	TestCode: 8021_W	Run ID: TVHBTX2_070916A	Prep Date: 9/16/07	Units: µg/L
Client ID: 091307-MW9	Batch ID: R34382	TestNo: SW8021B	FieldID: TVB209161007R	Analysis Date: 9/16/07	SeqNo: 612574
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methyl-t-butyl ether	29.79	4.0	31.2	0	95.5 65 132 27.92 6.46 30
Benzene	30.75	1.0	25.5	4.234	104 70 130 30.64 0.349 30
Toluene	174.2	2.0	183.6	0	94.9 70 130 171.4 1.63 30
Ethylbenzene	37.35	2.0	36.8	0	101 62 130 36.95 1.06 30
m,p-Xylene	141.2	2.0	136.3	2.354	102 70 134 140.2 0.713 30
o-Xylene	56.66	2.0	57.2	0	99.1 63 130 56.24 0.742 30
Surr: 1,2,4-Trichlorobenzene (S)	112	0	100	0	112 60 140 0 0

## Qualifiers:

U - Not detected at or above the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery/ outside acceptance limits  
E - Extrapolated value, value exceeds calibration range.  
R - RPD outside acceptance limits  
B - Analyte detected in the associated Method Blank  
H - Prep or analytical holding time exceeded  
X - See case narrative

Work Order: 07-6648  
Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

BatchID: R34382-2

Sample ID: MB2091607-2	Sample Type: MBLK	TestCode: 8021_W	Run ID: TVHBTEx2_070916A	Prep Date: 9/16/07	Units: µg/L
Batch ID: R34382-2	TestNo: SW8021B	FileID: TVB20916033R	Analysis Date: 9/17/07	SeqNo: 612579	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC Lowlimit Highlimit RPD Ref Val %RPD RPDLimit Qual
Methyl-t-butyl ether	U	4.0			
Benzene	U	1.0			
Toluene	U	2.0			
Ethylbenzene	U	2.0			
m,p-Xylene	U	2.0			
o-Xylene	U	2.0			
Surr: 1,2,4-Trichlorobenzene (S)	80.64	0	100	0	80.6 60 140 0 0
Sample ID: MEB091607-2	Sample Type: MBLK	TestCode: 8021_W	Run ID: TVHBTEx2_070916A	Prep Date: 9/16/07	Units: µg/L
Batch ID: R34382-2	TestNo: SW8021B	FileID: TVB20916038R	Analysis Date: 9/17/07	SeqNo: 612584	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC Lowlimit Highlimit RPD Ref Val %RPD RPDLimit Qual
Methyl-t-butyl ether	U	400			
Benzene	U	100			
Toluene	U	200			
Ethylbenzene	U	200			
m,p-Xylene	U	200			
o-Xylene	U	200			
Surr: 1,2,4-Trichlorobenzene (S)	8480	0	10000	0	84.8 60 140 0 0
Sample ID: LCS2091607-2	Sample Type: LCS	TestCode: 8021_W	Run ID: TVHBTEx2_070916A	Prep Date: 9/16/07	Units: µg/L
Batch ID: R34382-2	TestNo: SW8021B	FileID: TVB20916034R	Analysis Date: 9/17/07	SeqNo: 612580	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC Lowlimit Highlimit RPD Ref Val %RPD RPDLimit Qual
Methyl-t-butyl ether	25.7	4.0	31.2	0	82.4 70 130 0 0
Benzene	24.74	1.0	25.5	0	97 70 130 0 0
Toluene	161.8	2.0	183.6	0	88.1 70 130 0 0
Ethylbenzene	34.69	2.0	36.8	0	94.3 70 130 0 0
m,p-Xylene	129.6	2.0	136.3	0	95.1 70 130 0 0
o-Xylene	52.94	2.0	57.2	0	92.6 70 130 0 0

## Qualifiers:

U - Not detected at or above the Reporting Limit  
 J - Analyte detected below quantitation limits  
 S - Spike Recovery outside acceptance limits  
 E - Extrapolated value, value exceeds calibration range  
 R - RPD outside acceptance limits  
 B - Analyte detected in the associated Method Blank  
 H - Prep or analytical holding time exceeded  
 X - See case narrative

Work Order: 07-6648  
Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

BatchID: R34382-2

Sample ID: LCS2091607-2	Sample Type: LCS	TestCode: 8021_W	Run ID: TVHBTEX2_070916A	Prep Date: 9/16/07	Units: µg/L						
Batch ID: R34382-2	TestNo: SW8021B	FileID: TVB20916034R	Analysis Date: 9/17/07	SeqNo: 612580							
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2,4-Trichlorobenzene (S)	101.9	0	100	0	102	60	140	0	0		

Sample ID: 07-6648-04AMS	Sample Type: MS	TestCode: 8021_W	Run ID: TVHBTEX2_070916A	Prep Date: 9/16/07	Units: µg/L						
Client ID: 091307-DCS1	Batch ID: R34382-2	TestNo: SW8021B	FileID: TVB20916036R	Analysis Date: 9/17/07	SeqNo: 612582						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl-t-butyl ether	27.98	4.0	31.2	0	89.7	65	132	0	0		
Benzene	25.46	1.0	25.5	0	99.8	70	130	0	0		
Toluene	168.3	2.0	183.6	0	91.7	70	130	0	0		
Ethylbenzene	35.87	2.0	36.8	0	97.5	62	130	0	0		
m,p-Xylene	135	2.0	136.3	0	99.1	70	134	0	0		
o-Xylene	55.03	2.0	57.2	0	96.2	63	130	0	0		
Surr: 1,2,4-Trichlorobenzene (S)	106.8	0	100	0	107	60	140	0	0		

Sample ID: 07-6648-04AMS	Sample Type: MSD	TestCode: 8021_W	Run ID: TVHBTEX2_070916A	Prep Date: 9/16/07	Units: µg/L						
Client ID: 091307-DCS1	Batch ID: R34382-2	TestNo: SW8021B	FileID: TVB20916037R	Analysis Date: 9/17/07	SeqNo: 612583						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl-t-butyl ether	29.97	4.0	31.2	0	96	65	132	27.98	6.84	30	
Benzene	26.29	1.0	25.5	0	103	70	130	25.46	3.21	30	
Toluene	170.9	2.0	183.6	0	93.1	70	130	168.3	1.54	30	
Ethylbenzene	36.65	2.0	36.8	0	99.6	62	130	35.87	2.13	30	
m,p-Xylene	137.3	2.0	136.3	0	101	70	134	135	1.67	30	
o-Xylene	56.47	2.0	57.2	0	98.7	63	130	55.03	2.58	30	
Surr: 1,2,4-Trichlorobenzene (S)	107.8	0	100	0	108	60	140	0	0		

## Qualifiers:

U - Not detected at or above the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside acceptance limits  
E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits  
B - Analyte detected in the associated Method Blank  
H - Prep or analytical holding time exceeded  
X - See case narrative

Work Order: 07-6648  
Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

BatchID: R34540

Sample ID: MB2092507	Sample Type: MBLK	TestCode: 8021_W	Run ID: TVHBTX2_070925A	Prep Date: 9/25/07	Units: µg/L
Batch ID: R34540	TestNo: SW8021B	FileID: TVB209251003R	Analysis Date: 9/25/07	SeqNo: 614958	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methyl-t-butyl ether	U	4.0			
Benzene	U	1.0			
Toluene	U	2.0			
Ethylbenzene	U	2.0			
m,p-Xylene	U	2.0			
o-Xylene	U	2.0			
Surf: 1,2,4-Trichlorobenzene (S)	87.74	0	100	0	87.7 60 140 0 0
Sample ID: MEB092507	Sample Type: MBLK	TestCode: 8021_W	Run ID: TVHBTX2_070925A	Prep Date: 9/25/07	Units: µg/L
Batch ID: R34540	TestNo: SW8021B	FileID: TVB209251005R	Analysis Date: 9/25/07	SeqNo: 615456	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methyl-t-butyl ether	U	400			
Benzene	U	100			
Toluene	U	200			
Ethylbenzene	U	200			
m,p-Xylene	U	200			
o-Xylene	U	200			
Surf: 1,2,4-Trichlorobenzene (S)	88.84	0	10000	0	88.8 60 140 0 0
Sample ID: LCS2092507	Sample Type: LCS	TestCode: 8021_W	Run ID: TVHBTX2_070925A	Prep Date: 9/25/07	Units: µg/L
Batch ID: R34540	TestNo: SW8021B	FileID: TVB209251004R	Analysis Date: 9/25/07	SeqNo: 614959	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methyl-t-butyl ether	27.18	4.0	31.2	0	87.1 70 130 0 0
Benzene	25.95	1.0	25.5	0	102 70 130 0 0
Toluene	174.1	2.0	183.6	0	94.8 70 130 0 0
Ethylbenzene	37.49	2.0	36.8	0	102 70 130 0 0
m,p-Xylene	140.8	2.0	136.3	0	103 70 130 0 0
o-Xylene	57.24	2.0	57.2	0	100 70 130 0 0

## Qualifiers:

U - Not detected at or above the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside acceptance limits  
E - Extrapolated value, value exceeds calibration range

R - RPD outside acceptance limits  
B - Analyte detected in the associated Method Blank  
H - Prep or analytical holding time exceeded  
X - See case narrative

Work Order: 07-6648  
Client Project ID: 5369

BatchID: R34540

# ANALYTICAL QC SUMMARY REPORT

Sample ID: LCS2092507	Sample Type: LCS	TestCode: 8021_W	Run ID: TVHBTEx2_070925A	Prep Date: 9/25/07	Units: µg/L
Batch ID: R34540	TestNo: SW8021B	FileID: TVB209251004R	Analysis Date: 9/25/07	SeqNo: 614959	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Surf: 1,2,4-Trichlorobenzene (S) 110.1 0 100 0 110 60 140 0 0

Sample ID: 07-6886-01A/MS	Sample Type: MS	TestCode: 8021_W	Run ID: TVHBTEx2_070925A	Prep Date: 9/25/07	Units: µg/L
Batch ID: R34540	TestNo: SW8021B	FileID: TVB209251007R	Analysis Date: 9/25/07	SeqNo: 614961	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Methyl-t-butyl ether 27.83 4.0 31.2 0 89.2 65 132 0 0  
Benzene 26.02 1.0 25.5 0 102 70 130 0 0  
Toluene 174.8 2.0 183.6 0 95.2 70 130 0 0  
Ethylbenzene 37.6 2.0 36.8 0 102 62 130 0 0  
m,p-Xylene 141.4 2.0 136.3 0 104 70 134 0 0  
o-Xylene 57.65 2.0 57.2 0 101 63 130 0 0  
Surf: 1,2,4-Trichlorobenzene (S) 112.2 0 100 0 112 60 140 0 0

Sample ID: 07-6886-01A/MSD	Sample Type: MSD	TestCode: 8021_W	Run ID: TVHBTEx2_070925A	Prep Date: 9/25/07	Units: µg/L
Batch ID: R34540	TestNo: SW8021B	FileID: TVB209251008R	Analysis Date: 9/25/07	SeqNo: 614962	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Methyl-t-butyl ether 29.1 4.0 31.2 0 93.3 65 132 27.83 4.46 30  
Benzene 26.89 1.0 25.5 0 105 70 130 26.02 3.29 30  
Toluene 179.3 2.0 183.6 0 97.7 70 130 174.8 2.52 30  
Ethylbenzene 38.37 2.0 36.8 0 104 62 130 37.6 2.04 30  
m,p-Xylene 144.1 2.0 136.3 0 106 70 134 141.4 1.88 30  
o-Xylene 58.69 2.0 57.2 0 103 63 130 57.65 1.77 30  
Surf: 1,2,4-Trichlorobenzene (S) 112.9 0 100 0 113 60 140 0 0

## Qualifiers:

U - Not detected at or above the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside acceptance limits  
E - Extrapolated value, value exceeds calibration range.  
R - RPD outside acceptance limits  
B - Analyte detected in the associated Method Blank  
H - Prep or analytical holding time exceeded  
X - See case narrative

Evergreen Analytical, Inc.

Date: 24-Sep-07

Work Order: 07-6648

Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

TestCode: COND\_W

Sample ID	LCS	SampleType: LCS	TestCode: COND_W	Run ID: COND_070920A	Prep Date: 9/20/2007	Units: µmhos/cm
	Batch ID: R34445	TestNo: SM2510 B	FileID: 86		Analysis Date: 9/20/2007	SeqNo: 613649
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Specific Conductance	95.6	1.00	100.3	0	95.3	90 110 0 0

## Qualifiers:

U - Not detected at or above the Reporting Limit  
 J - Analyte detected below quantitation limits  
 S - Spike Recovery outside acceptance limits  
 E - Extrapolated value, value exceeds calibration range.  
 R - RPD outside acceptance limits  
 B - Analyte detected in the associated Method Blank  
 H - Prep or analytical holding time exceeded  
 X - See case narrative



Work Order: 07-6648

Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

TestCode: PH\_DW

Sample ID	LCS-R34314	SampleType	LCS	TestCode	PH_DW	Run ID	PH_070914A	Prep Date	9/14/2007	Units	pH Units
Batch ID	R34314	TestNo	E150.1	FieldID		Analysis Date	9/14/2007	SeqNo	611188		
Analyte	Result	LQI	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.96	1.00	8	0	99.5	99.3	100.7	0	0		

## Qualifiers:

U - Not detected at or above the Reporting Limit  
 J - Analyte detected below quantitation limits  
 S - Spike Recovery outside acceptance limits  
 E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits  
 B - Analyte detected in the associated Method Blank  
 H - Prep or analytical holding time exceeded  
 X - See case narrative

Work Order: 07-6648  
Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

TestCode: TDS\_W

Sample ID	MBLK	SampleType: MBLK	TestCode: TDS_W	Run ID: ANALYTICAL BALANCE_070919A	Prep Date: 9/19/2007	Units: mg/L
		Batch ID: R34457	TestNo: SM 2540C	FileID: 1	Analysis Date: 9/19/2007	SeqNo: 613788
Analyte		Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Total Dissolved Solids

U 10.0

Sample ID	LCS	SampleType: LCS	TestCode: TDS_W	Run ID: ANALYTICAL BALANCE_070919A	Prep Date: 9/19/2007	Units: mg/L
		Batch ID: R34457	TestNo: SM 2540C	FileID: 2	Analysis Date: 9/19/2007	SeqNo: 613789
Analyte		Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Total Dissolved Solids		390	10.0	400	0	97.5 90 110 0 0

### Qualifiers:

U - Not detected at or above the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside acceptance limits  
E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits  
B - Analyte detected in the associated Method Blank  
H - Prep or analytical holding time exceeded  
X - See case narrative

Evergreen Analytical, Inc.

Date: 19-Sep-07

Work Order: 07-6648

Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

BatchID: 13594

Sample ID: MB-13594	Sample Type: MBLK	TestCode: 200.7_D	Run ID: ICP-OPTIMA 5300 DV_070917A	Prep Date: 9/14/07	Units: mg/L
Batch ID: 13594	TestNo: E200.7, Rev.	FileID: 091707PM	Analysis Date: 9/17/07	SeqNo: 612448	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Sodium	0	0.400			
Sample ID: LCS-13594	Sample Type: LCS	TestCode: 200.7_D	Run ID: ICP-OPTIMA 5300 DV_070917A	Prep Date: 9/14/07	Units: mg/L
Batch ID: 13594	TestNo: E200.7, Rev.	FileID: 091707PM	Analysis Date: 9/17/07	SeqNo: 612449	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Sodium	10.03	0.400	10	0	100 80 120 0 0

## Qualifiers:

U - Not detected at or above the Reporting Limit  
 J - Analyte detected below quantitation limits  
 S - Spike Recovery outside acceptance limits  
 E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits  
 B - Analyte detected in the associated Method Blank  
 H - Prep or analytical holding time exceeded  
 X - See case narrative

Evergreen Analytical, Inc.

Date: 17-Sep-07

Work Order: 07-6648

Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

TestCode: ANIONS\_W

Sample ID: METHOD BLANK	SampType: MBLK	TestCode: ANIONS_W	Run ID: IC-DX120_070917A	Prep Date: 9/17/07	Units: mg/L
Batch ID: R34369	TestNo: E300.0	FileID:		Analysis Date: 9/17/07	SeqNo: 612330
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Chloride U 0.50

Sample ID: LCS ALLT218024	SampType: LCS	TestCode: ANIONS_W	Run ID: IC-DX120_070917A	Prep Date: 9/17/07	Units: mg/L
Batch ID: R34369	TestNo: E300.0	FileID:		Analysis Date: 9/17/07	SeqNo: 612329
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Chloride	18.87	1.0	20	0	94.4 90 110 0 0

## Qualifiers:

U - Not detected at or above the Reporting Limit  
 J - Analyte detected below quantitation limits  
 S - Spike Recovery outside acceptance limits  
 E - Extrapolated value, value exceeds calibration range

R - RPD outside acceptance limits  
 B - Analyte detected in the associated Method Blank  
 H - Prep or analytical holding time exceeded  
 X - See case narrative

Evergreen Analytical, Inc.

Date: 19-Sep-07

Work Order: 07-6648  
Client Project ID: 5369

# ANALYTICAL QC SUMMARY REPORT

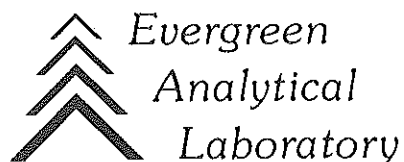
BatchID: GAS091907

Sample ID: GB091907	Sample Type: MBLK	Test Code: MEEP_W	Run ID: FID4_070919A	Prep Date: 9/19/07	Units: mg/L
Batch ID: GAS091907	Test No: RSKSOP175	File ID: GAS0919004	Analysis Date: 9/19/07	Seq No: 613311	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methane	U	0.00080			
Sample ID: LCS091907	Sample Type: LCS	Test Code: MEEP_W	Run ID: FID4_070919A	Prep Date: 9/19/07	Units: mg/L
Batch ID: GAS091907	Test No: RSKSOP175	File ID: GAS0919005	Analysis Date: 9/19/07	Seq No: 613312	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methane	0.5955	0.0080	0.5094	0	117 70 130 0 0
Sample ID: LCSD091907	Sample Type: LCSD	Test Code: MEEP_W	Run ID: FID4_070919A	Prep Date: 9/19/07	Units: mg/L
Batch ID: GAS091907	Test No: RSKSOP175	File ID: GAS0919006	Analysis Date: 9/19/07	Seq No: 613313	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methane	0.5938	0.0080	0.5094	0	117 70 130 0.5955 0.293 30
Sample ID: 07-6648-12EMMS	Sample Type: MS	Test Code: MEEP_W	Run ID: FID4_070919A	Prep Date: 9/19/07	Units: mg/L
Client ID: 091307-DCSO	Batch ID: GAS091907	Test No: RSKSOP175	File ID: GAS0919024	Analysis Date: 9/19/07	Seq No: 613309
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methane	0.5716	0.0080	0.5094	0.004996	112 70 130 0 0
Sample ID: 07-6648-12EMSD	Sample Type: MSD	Test Code: MEEP_W	Run ID: FID4_070919A	Prep Date: 9/19/07	Units: mg/L
Client ID: 091307-DCSO	Batch ID: GAS091907	Test No: RSKSOP175	File ID: GAS0919025	Analysis Date: 9/19/07	Seq No: 613310
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methane	0.59	0.0080	0.5094	0.004996	116 70 130 0.5716 3.16 30

## Qualifiers:

U - Not detected at or above the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside acceptance limits  
E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits  
B - Analyte detected in the associated Method Blank  
H - Prep or analytical holding time exceeded  
X - See case narrative



September 21, 2007

Dion Plsek  
Cordilleran Compliance  
826 21 1/2 Road  
Grand Junction, CO 81505

Lab Work Order: 07-6497  
Client Project ID: 5369

Dear Dion Plsek:

Enclosed are the analytical results for the samples shown in the Laboratory Work Order Summary. The invoice is included with this report or has been mailed to another party as indicated on the chain of custody.

The enclosed data for testing performed at Evergreen Analytical Laboratory (EAL) have been reviewed for quality assurance. A case narrative is included to describe any anomalies associated with the samples or data.

A copy of this project report and supporting data will be retained for a period of five years unless we are otherwise advised by you. A document retrieval charge will apply.

Thank you for using the services of Evergreen Analytical. If you have any questions concerning the analytical data, please contact me. Please direct other questions to Client Services.

Sincerely,

A handwritten signature in cursive script that reads "Carl Smits".

Carl Smits / Kaprie Hollman  
Technical Director of Chemical Analysis

**WORK ORDER Summary****Evergreen Analytical, Inc.****07-6497**

Rpt To: Dion Pisek

Fax To: Dion Pisek

FX: (970) 263-7456

Cordilean Compliance

Email To: dionpisek@cordcomp.com

826 21 1/2 Road

Grand Junction, CO 81505

(970) 263-7800

9/11/2007 10:41:11 AM

Client Project ID: 5369

QC Level: LEVEL I+

Comments: Add Sample Summary Report to all results packages.

Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Test Code	Test Name	Hold	MS	Date Due	Hold Time
07-6497-01A	091007-MW23	Water	9/10/07 0930	9/11/07	8021_W*	8021: BTEX, MIBE	<input type="checkbox"/>	<input type="checkbox"/>	9/14/07	9/24/07
07-6497-01B	091007-MW23	Water	9/10/07 0930	9/11/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	10/08/07
07-6497-01B	091007-MW23	Water	9/10/07 0930	9/11/07	PH_DW	El50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	9/11/07
07-6497-01B	091007-MW23	Water	9/10/07 0930	9/11/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	9/17/07
07-6497-01C	091007-MW23	Water	9/10/07 0930	9/11/07	6010_D*	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	3/08/08
07-6497-01D	091007-MW23	Water	9/10/07 0930	9/11/07	ANIONS_W*	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	9/12/07
07-6497-01E	091007-MW23	Water	9/10/07 0930	9/11/07	MEEP_W*	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	9/24/07
07-6497-02A	091007-E2	Water	9/10/07 1000	9/11/07	8021_W*	8021: BTEX, MIBE	<input type="checkbox"/>	<input type="checkbox"/>	9/14/07	9/24/07
07-6497-02B	091007-E2	Water	9/10/07 1000	9/11/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	10/08/07
07-6497-02B	091007-E2	Water	9/10/07 1000	9/11/07	PH_DW	El50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	9/11/07
07-6497-02B	091007-E2	Water	9/10/07 1000	9/11/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	9/17/07
07-6497-02C	091007-E2	Water	9/10/07 1000	9/11/07	6010_D*	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	3/08/08
07-6497-02D	091007-E2	Water	9/10/07 1000	9/11/07	ANIONS_W*	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	9/12/07
07-6497-02E	091007-E2	Water	9/10/07 1000	9/11/07	MEEP_W*	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	9/24/07
07-6497-03A	091007-MW27	Water	9/10/07 1030	9/11/07	8021_W*	8021: BTEX, MIBE	<input type="checkbox"/>	<input type="checkbox"/>	9/14/07	9/24/07
07-6497-03B	091007-MW27	Water	9/10/07 1030	9/11/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	10/08/07
07-6497-03B	091007-MW27	Water	9/10/07 1030	9/11/07	PH_DW	El50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	9/11/07
07-6497-03B	091007-MW27	Water	9/10/07 1030	9/11/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	9/17/07
07-6497-03C	091007-MW27	Water	9/10/07 1030	9/11/07	6010_D*	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	3/08/08
07-6497-03D	091007-MW27	Water	9/10/07 1030	9/11/07	ANIONS_W*	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	9/12/07

Definitions: \* - Test Code has a Select List

**WORK ORDER Summary****Evergreen Analytical, Inc.****07-6497**

Rpt To: Dion Plsek

Fax To: Dion Plsek

FX: (970) 263-7456

Cordilleran Compliance

Email To: dionplsek@cordcomp.com

826 21 1/2 Road

Grand Junction, CO 81505

(970) 263-7800

9/11/2007 10:41:11 AM

Client Project ID: 5369

QC Level: LEVEL 1+

07-6497-03E	091007-MW27	Water	9/10/07 1030	9/11/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	9/24/07
07-6497-04A	091007-MW24	Water	9/10/07 1300	9/11/07	8021_W *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/14/07	9/24/07
07-6497-04B	091007-MW24	Water	9/10/07 1300	9/11/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	10/08/07
07-6497-04B	091007-MW24	Water	9/10/07 1300	9/11/07	PH_DW	E150.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	9/11/07
07-6497-04B	091007-MW24	Water	9/10/07 1300	9/11/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	9/17/07
07-6497-04C	091007-MW24	Water	9/10/07 1300	9/11/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	3/08/08
07-6497-04D	091007-MW24	Water	9/10/07 1300	9/11/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	9/12/07
07-6497-04E	091007-MW24	Water	9/10/07 1300	9/11/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/25/07	9/24/07

Definitions:

\* - Test Code has a Select List





**Evergreen Analytical, Inc.**

**Date:** 21-Sep-07

**Client Project ID:** 5369

**Lab Order:** 07-6497

## **CASE NARRATIVE**

### **SAMPLE RECEIVING**

Custody seals were present and intact.

The temperature of the sample(s) upon arrival was 1.9 °C.

Sample(s) were received in good condition, in the proper container, and within holding times.

VOC sample(s) were received with no headspace present. JD

### **QUALITY ASSURANCE**

Analyses performed on samples in this work order meet the requirements of the EAL Quality Assurance Program unless otherwise explained. Analyses of RCRA samples meet the requirements of NELAC and Utah Rule R444-14 unless otherwise explained. CMS

### **CLIENT SERVICES**

There are no anomalies to report. AMU

### **GENERAL CHEMISTRY**

There are no anomalies to report. MM

### **METALS ANALYSIS**

Sample(s) were preserved by the metals group prior to the analysis. There are no anomalies to report. WKH

### **GAS CHROMATOGRAPHY**

Method MEEP\_W: There are no anomalies to report. MS

Method 8021\_W/MTBE: There are no anomalies to report. HJ

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091007-MW23  
Client Project ID: 5369  
Date Collected: 9/10/07 0930  
Date Received: 9/11/07

Lab Work Order: 07-6497  
Lab Sample ID: 07-6497-01  
Sample Matrix: Water

<b>Dissolved Metals</b>	<b>Method: SW6010B</b>			<b>Analyst: SS</b>
	<b>Result</b>	<b>LQL</b>	<b>DF</b>	<b>Units</b>
Sodium	240	0.40	1	mg/L
<b>Aromatic Volatile Organics</b>	<b>Method: SW8021B</b>			<b>Analyst: HJ</b>
	<b>Result</b>	<b>LQL</b>	<b>DF</b>	<b>Units</b>
Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
Methyl-t-butyl ether	U	4.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L
<b>Anions by IC</b>	<b>Method: E300.0</b>			<b>Analyst: JL</b>
	<b>Result</b>	<b>LQL</b>	<b>DF</b>	<b>Units</b>
Chloride	112	2.5	5	mg/L
<b>Specific Conductance @ 25°C</b>	<b>Method: SM2510 B</b>			<b>Analyst: JIJ</b>
	<b>Result</b>	<b>LQL</b>	<b>DF</b>	<b>Units</b>
Specific Conductance	968	1.00	1	µmhos/cm
<b>RSKSOP-175M Headspace</b>	<b>Method: RSKSOP175M</b>			<b>Analyst: MSZ</b>
	<b>Result</b>	<b>LQL</b>	<b>DF</b>	<b>Units</b>
Methane	3.6	0.016	20	mg/L
<b>E150.1 pH</b>	<b>Method: E150.1</b>			<b>Analyst: CJ</b>
	<b>Result</b>	<b>LQL</b>	<b>DF</b>	<b>Units</b>
pH	7.51	1.00	1	pH Units
<b>Total Dissolved Solids (TDS)</b>	<b>Method: SM 2540C</b>			<b>Analyst: CJ</b>
	<b>Result</b>	<b>LQL</b>	<b>DF</b>	<b>Units</b>
Total Dissolved Solids	625	10.0	1	mg/L

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/21/07

# SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: 091007-E2

Client Project ID: 5369

Date Collected: 9/10/07 1000

Date Received: 9/11/07

Lab Work Order: 07-6497

Lab Sample ID: 07-6497-02

Sample Matrix: Water

Dissolved Metals	Method: SW6010B	Analyst: SS
	Result LQL DF Units	
Sodium	87 0.40 1 mg/L	

Aromatic Volatile Organics	Method: SW8021B	Analyst: HJ
	Result LQL DF Units	
Benzene	U 1.0 1 µg/L	
Ethylbenzene	U 2.0 1 µg/L	
m,p-Xylene	U 2.0 1 µg/L	
Methyl-t-butyl ether	U 4.0 1 µg/L	
o-Xylene	U 2.0 1 µg/L	
Toluene	U 2.0 1 µg/L	

Anions by IC	Method: E300.0	Analyst: JL
	Result LQL DF Units	
Chloride	12.3 0.50 1 mg/L	

Specific Conductance @ 25°C	Method: SM2510 B	Analyst: JIJ
	Result LQL DF Units	
Specific Conductance	814 1.00 1 µmhos/cm	

RSKSOP-175M Headspace	Method: RSKSOP175M	Analyst: MSZ
	Result LQL DF Units	
Methane	0.043 0.00080 1 mg/L	

E150.1 pH	Method: E150.1	Analyst: CJ
	Result LQL DF Units	
pH	7.24 1.00 1 pH Units	

Total Dissolved Solids (TDS)	Method: SM 2540C	Analyst: CJ
	Result LQL DF Units	
Total Dissolved Solids	527 10.0 1 mg/L	

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value. Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* -Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: NA - Not Applicable

Print Date: 9/21/07

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091007-MW27  
Client Project ID: 5369  
Date Collected: 9/10/07 1030  
Date Received: 9/11/07

Lab Work Order: 07-6497  
Lab Sample ID: 07-6497-03  
Sample Matrix: Water

### Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
230	0.40	1	mg/L

Sodium

### Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

Methyl-t-butyl ether

o-Xylene

Toluene

### Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
17.5	0.50	1	mg/L

Chloride

### Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JLJ

Result	LQL	DF	Units
922	1.00	1	µmhos/cm

Specific Conductance

### RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
U	0.00080	1	mg/L

Methane

### E150.1 pH

Method: E150.1

Analyst: CJ

Result	LQL	DF	Units
7.92	1.00	1	pH Units

pH

### Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: CJ

Result	LQL	DF	Units
660	10.0	1	mg/L

Total Dissolved Solids

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: NA - Not Applicable

Print Date: 9/21/07

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: 091007-MW24

Client Project ID: 5369

Date Collected: 9/10/07 1300

Date Received: 9/11/07

Lab Work Order: 07-6497

Lab Sample ID: 07-6497-04

Sample Matrix: Water

### Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
56	0.40	1	mg/L

Sodium

### Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

Methyl-t-butyl ether

o-Xylene

Toluene

### Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
4.6	0.50	1	mg/L

Chloride

### Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JLJ

Result	LQL	DF	Units
633	1.00	1	µmhos/cm

Specific Conductance

### RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
0.021	0.00080	1	mg/L

Methane

### E150.1 pH

Method: E150.1

Analyst: CJ

Result	LQL	DF	Units
7.53	1.00	1	pH Units

pH

### Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: CJ

Result	LQL	DF	Units
434	10.0	1	mg/L

Total Dissolved Solids

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value. Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: NA - Not Applicable

Print Date: 9/21/07

55

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091007-MW23  
Client Project ID: 5369  
Date Collected: 9/10/07  
Date Received: 9/11/07

Lab Work Order 07-6497  
Lab Sample ID: 07-6497-01A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

**Method: SW8021B**

**Prep Method: SW5030B**

Date Prepared: 9/11/07

Lab File ID: TVB20911\009R

Dilution Factor: 1

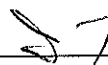
Date Analyzed: 9/11/07

Method Blank: MB2091107

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	86	QC Limits: 60-140	%REC



Analyst



Approved

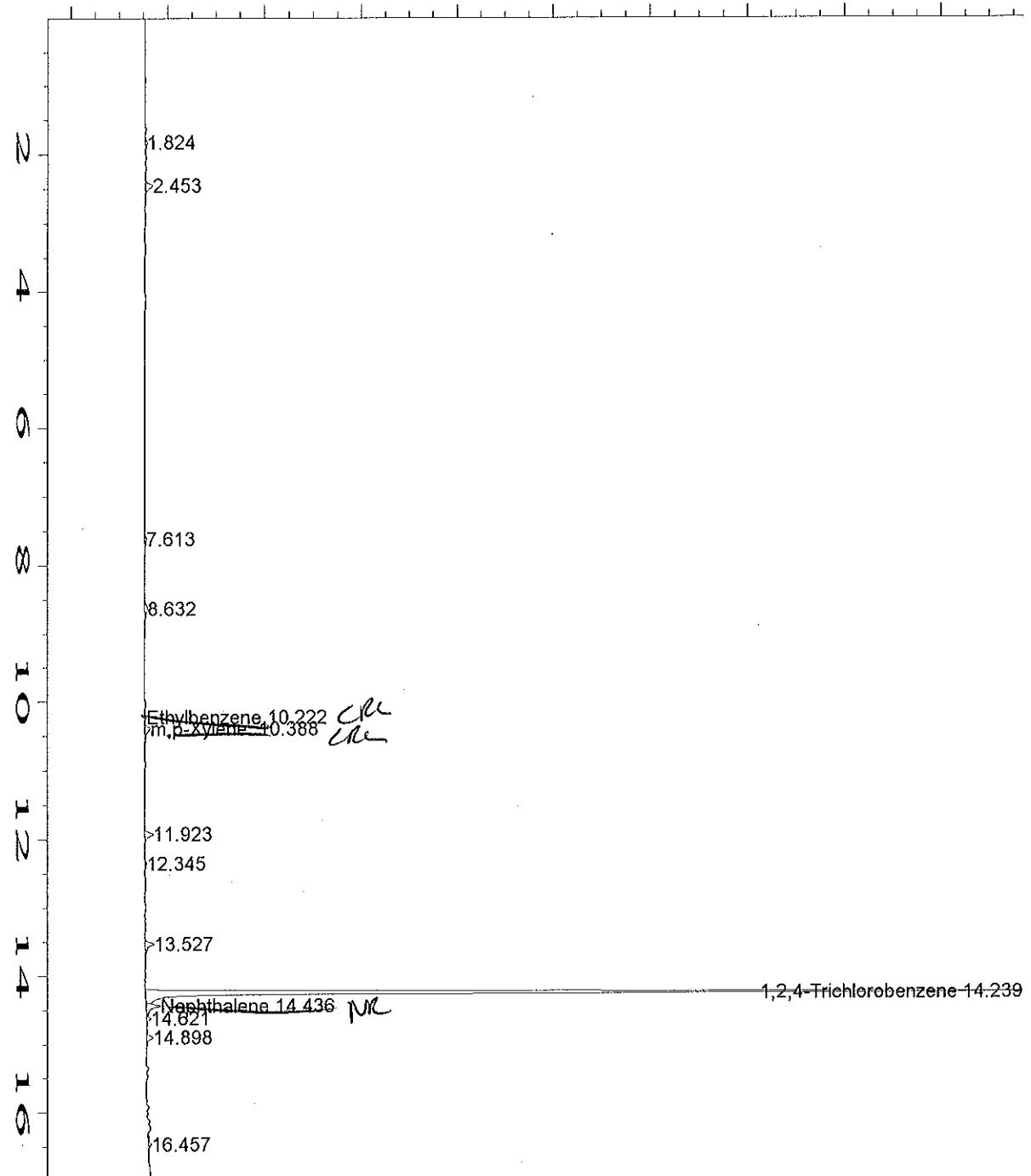
Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/13/07

2.2e4  
2.0e4  
1.8e4  
1.6e4  
1.4e4  
1.2e4  
1.0e4  
8000  
6000  
4000



Data File Name	: C:\HPCHEM\2\DATA\TVB20911\009R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 9
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6497-01A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method	: TW20202A.MTH
Acquired on	: 11 Sep 07 05:57 PM	Analysis Method	: BW20907.MTH
Report Created on:	: 11 Sep 07 06:14 PM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
	DF=1		



Print  
Print  
Print

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091007-E2  
Client Project ID: 5369  
Date Collected: 9/10/07  
Date Received: 9/11/07

Lab Work Order 07-6497  
Lab Sample ID: 07-6497-02A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/11/07

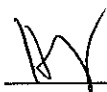
Lab File ID: TVB20911\010R

Dilution Factor: 1

Date Analyzed: 9/11/07

Method Blank: MB2091107

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	86	QC Limits: 60-140	%REC



Analyst



Approved

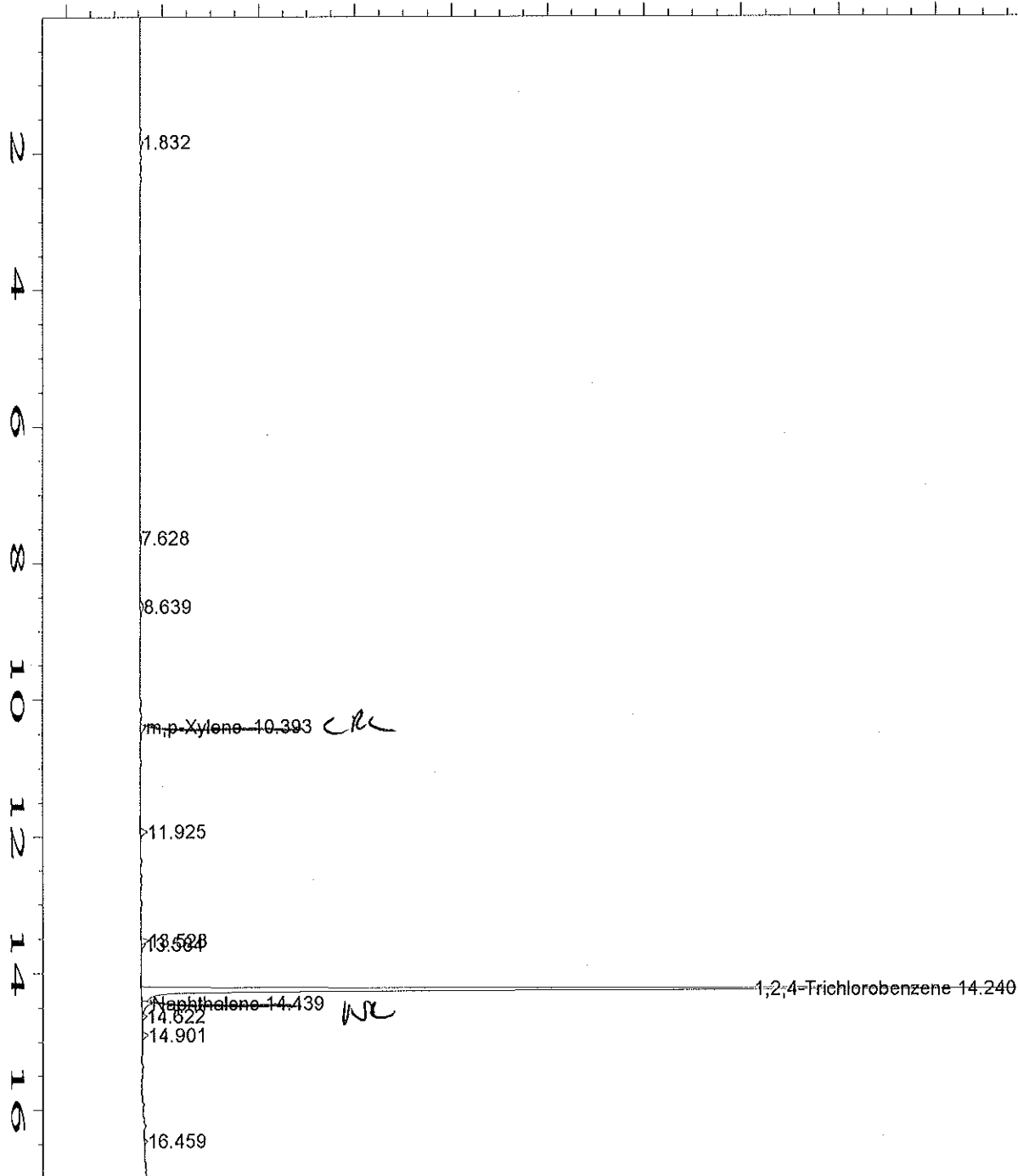
Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL.  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/13/07

2.2e4  
2.0e4  
1.8e4  
1.6e4  
1.4e4  
1.2e4  
1.0e4  
8000  
6000  
4000



Data File Name : C:\HPCHEM\2\DATA\TVB20911\010R0101.D  
 Operator : haley jones  
 Instrument : TVHBTEX2  
 Sample Name : 07-6497-02A  
 Run Time Bar Code:  
 Acquired on : 11 Sep 07 06:32 PM  
 Report Created on: 11 Sep 07 06:49 PM  
 Last Recalib on : 10 SEP 07 10:26 AM  
 Multiplier : 1  
 Sample Info : SAMP  
 DF=1

Page Number : 1  
 Vial Number : 10  
 Injection Number : 1  
 Sequence Line : 1  
 Instrument Method: TW20202A.MTH  
 Analysis Method : BW20907.MTH  
 Sample Amount : 0  
 ISTD Amount :

15  
14  
13

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091007-MW27	Lab Work Order 07-6497
Client Project ID: 5369	Lab Sample ID: 07-6497-03A
Date Collected: 9/10/07	Sample Matrix: Water
Date Received: 9/11/07	

**AROMATIC VOLATILE ORGANICS**

**Method: SW8021B**

**Prep Method: SW5030B**

Date Prepared: 9/11/07	Lab File ID: TVB20911\011R	Dilution Factor: 1
Date Analyzed: 9/11/07	Method Blank: MB2091107	

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC



Analyst



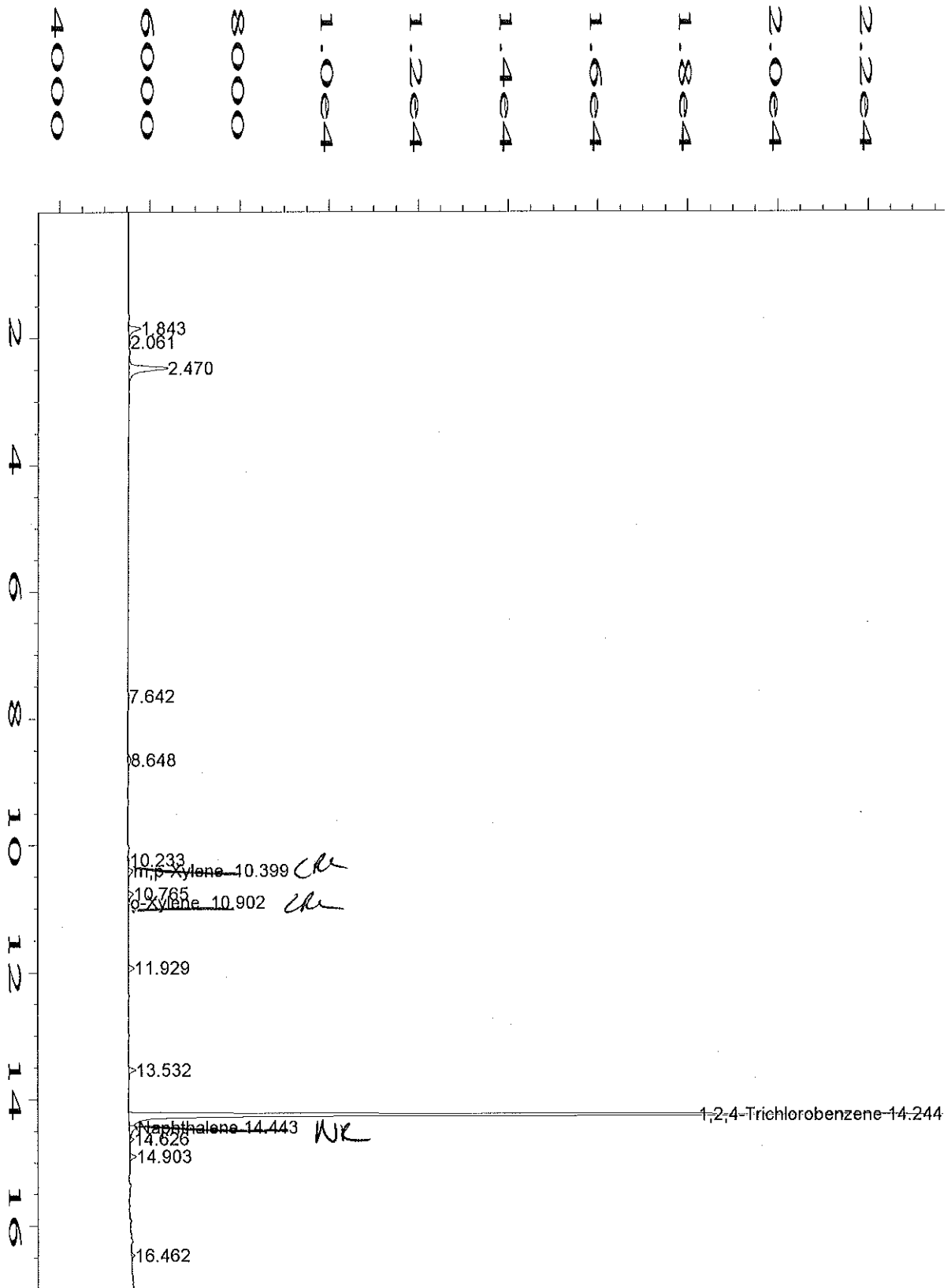
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/13/07



Data File Name : C:\HPCHEM\2\DATA\TVB20911\011R0101.D

Operator : halej jones

Instrument : TVHBTEX2

Sample Name : 07-6497-03A

Run Time Bar Code:

Acquired on : 11 Sep 07 07:07 PM

Report Created on: 11 Sep 07 07:24 PM

Last Recalib on : 10 SEP 07 10:26 AM

Multiplier : 1

Sample Info : SAMP

DF=1

Page Number : 1

Vial Number : 11

Injection Number : 1

Sequence Line : 1

Instrument Method: TW20202A.MTH

Analysis Method : BW20907.MTH

Sample Amount : 0

ISTD Amount :

5  
1  
1

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091007-MW24  
Client Project ID: 5369  
Date Collected: 9/10/07  
Date Received: 9/11/07

Lab Work Order 07-6497  
Lab Sample ID: 07-6497-04A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

**Method: SW8021B**

**Prep Method: SW5030B**

Date Prepared: 9/11/07

Lab File ID: TVB20911\012R

Dilution Factor: 1

Date Analyzed: 9/11/07

Method Blank: MB2091107

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	86	QC Limits: 60-140	%REC



Analyst



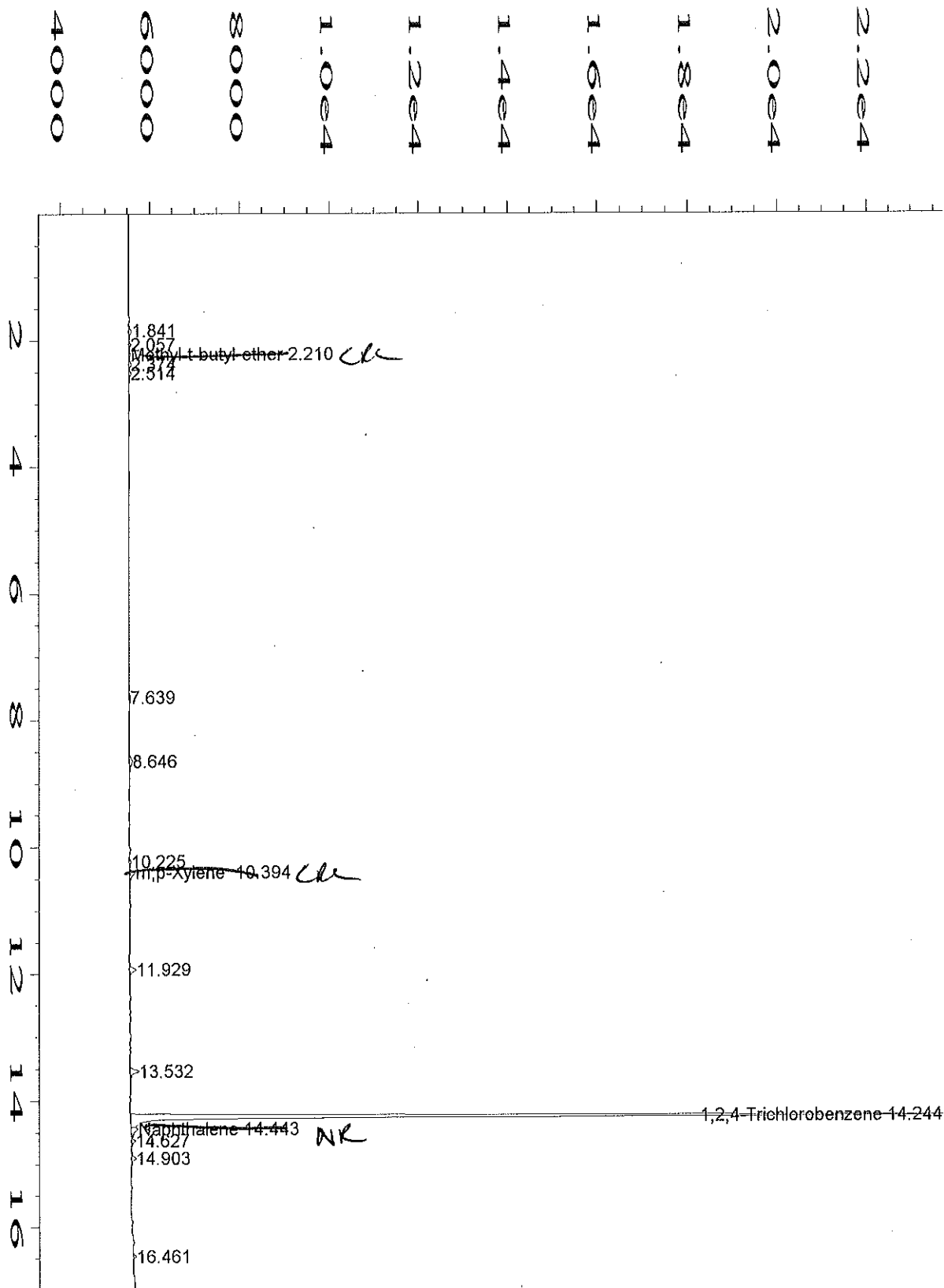
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL.  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/13/07



Data File Name	: C:\HPCHEM\2\DATA\TVB20911\012R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 12
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6497-04A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method	: TW20202A.MTH
Acquired on	: 11 Sep 07 07:42 PM	Analysis Method	: BW20907.MTH
Report Created on:	11 Sep 07 07:59 PM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
DF=1			

# Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Project ID 5369  
Collection Date: 9/10/07

Lab Order: 07-6497  
Date Received: 9/11/07  
Units:  $\mu\text{mhos/cm}$

## Specific Conductance @ 25°C

### Specific Conductance

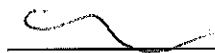
Method: SM2510 B

Prep Method:

Lab ID	Client ID	Matrix	Date Prepared	Date Analyzed	Results	LQL	DF
07-6497-01B	091007-MW23	Water	9/17/07	9/17/07	968	1.00	1
07-6497-02B	091007-E2	Water	9/17/07	9/17/07	814	1.00	1
07-6497-03B	091007-MW27	Water	9/17/07	9/17/07	922	1.00	1
07-6497-04B	091007-MW24	Water	9/17/07	9/17/07	633	1.00	1

Comments

  
Analyst

  
Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL  
H - Sample analysis exceeded analytical holding time  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor  
LQL - Lower Quantitation Limit

Print Date: 9/18/2007

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Project ID 5369

Lab Order: 07-6497  
Units: pH Units

## E150.1 pH

Method: E150.1

Prep Method: E150.1

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
07-6497-01B	091007-MW23	Water	9/11/07	9/10/07 0930	9/11/07	9/11/07 0910	7.51	1.00	1
07-6497-02B	091007-E2	Water	9/11/07	9/10/07 1000	9/11/07	9/11/07 0910	7.24	1.00	1
07-6497-03B	091007-MW27	Water	9/11/07	9/10/07 1030	9/11/07	9/11/07 0910	7.92	1.00	1
07-6497-04B	091007-MW24	Water	9/11/07	9/10/07 1300	9/11/07	9/11/07 0910	7.53	1.00	1

Comments:

Analyst

Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL

H - Sample analysis exceeded analytical holding time

U - Compound analyzed for but not detected

X - See case narrative

\*-Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor

LQL - Lower Quantitation Limit

Print Date: 9/18/2007



00150

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Project ID 5369  
Collection Date: 9/10/07 0930

Lab Order: 07-6497  
Date Received: 9/11/07  
Units: mg/L

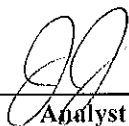
**Total Dissolved Solids (TDS)**  
**Total Dissolved Solids**

Method: SM 2540C

Prep Method:

Lab ID	Client ID	Matrix	Date Prepared	Date Analyzed	Results	LQL	DF
07-6497-01B	091007-MW23	Water	9/11/07	9/12/07 0000	625	10.0	1
07-6497-02B	091007-E2	Water	9/11/07	9/12/07 0000	527	10.0	1
07-6497-03B	091007-MW27	Water	9/11/07	9/12/07 0000	660	10.0	1
07-6497-04B	091007-MW24	Water	9/11/07	9/12/07 0000	434	10.0	1

Comments

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL  
H - Sample analysis exceeded analytical holding time  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor  
LQL - Lower Quantitation Limit

Print Date: 9/18/2007

# Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Project ID 5369  
Date Received: 9/11/07

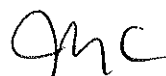
Lab Order: 07-6497  
Date Prepared: 9/18/07  
Units: mg/L

## Dissolved Metals Sodium

Method: SW6010B

Prep Method: E200.7/SW3010A

Lab ID	Client ID	Matrix	Date Collected	Date Analyzed	Results	LQL	DF
07-6497-01C	091007-MW23	Water	9/10/07	9/19/07	240	0.40	1
07-6497-02C	091007-E2	Water	9/10/07	9/19/07	87	0.40	1
07-6497-03C	091007-MW27	Water	9/10/07	9/19/07	230	0.40	1
07-6497-04C	091007-MW24	Water	9/10/07	9/19/07	56	0.40	1



Analyst



Approved

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor  
PF - Prep Factor  
LQL - Lower Quantitation Limit

Print Date: 9/20/07

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Project ID 5369

Lab Order: 07-6497  
Units: mg/L

**Anions by IC  
Chloride**

Method: E300.0

Prep Method: E300.0

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
07-6497-01D	091007-MW23	Water	9/11/07	9/10/07 0930	9/11/07	9/11/07 1515	112	2.5	5
07-6497-02D	091007-E2	Water	9/11/07	9/10/07 1000	9/11/07	9/11/07 1339	12.3	0.50	1
07-6497-03D	091007-MW27	Water	9/11/07	9/10/07 1030	9/11/07	9/11/07 1420	17.5	0.50	1
07-6497-04D	091007-MW24	Water	9/11/07	9/10/07 1300	9/11/07	9/11/07 1434	4.6	0.50	1

Comments:

  
Analyst

  
Approved

**Qualifiers:** J - Indicates an estimated value when the compound is detected, but is below the LQL

H - Sample analysis exceeded analytical holding time

U - Compound analyzed for but not detected

X - See case narrative

\* - Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** DF - Dilution Factor

LQL - Lower Quantization Limit

Print Date: 9/12/07

Evergreen Analytical, Inc.  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Project ID 5369

 Lab Order: 07-6497  
Units: mg/L

## RSKSOP-175M Headspace

Method: RSKSOP175M

Methane

Prep Method: RSKSOP175M

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
07-6497-01E	091007-MW23	Water	9/11/07	9/10/07	9/12/07	9/12/07	3.6	0.016	20
07-6497-02E	091007-E2	Water	9/11/07	9/10/07	9/12/07	9/12/07	0.043	0.00080	1
07-6497-03E	091007-MW27	Water	9/11/07	9/10/07	9/12/07	9/12/07	U	0.00080	1
07-6497-04E	091007-MW24	Water	9/11/07	9/10/07	9/12/07	9/12/07	0.021	0.00080	1

Comments:

 RS  
Analyst

Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL

H - Sample analysis exceeded analytical holding time

U - Compound analyzed for but not detected

X - See case narrative

\* Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

 Definitions: DF - Dilution Factor  
LQL - Lower Quantitation Limit

Print Date: 9/12/07

## QUALITY ASSURANCE REPORTS

METHOD BLANKS (MB, MEB)

LABORATORY CONTROL SPIKES (LCS)

MATRIX SPIKES (MS/MSD)\*

DUPLICATES (DUP)\*

**\*Only included if requested or if performed on this client's samples.**

Evergreen Analytical, Inc.

Date: 13-Sep-07

Work Order: 07-6497

Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

BatchID: R34254

Sample ID: MEB091107	Sample Type: MBLK	Test Code: 8021_S	Run ID: TVHBTEx2_070911A	Prep Date: 9/11/07	Units: µg/Kg						
Batch ID: R34254	Test No: SW8021B	File ID: TVB20911026R	Analysis Date: 9/12/07	SeqNo: 610114							
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl-t-butyl ether	0	500									
Benzene	0	100									
Toluene	0	200									
Ethylbenzene	0	200									
m,p-Xylene	0	200									
o-Xylene	0	200									
Surr: 1,2,4-Trichlorobenzene (S)	7727	0	10000	0	77.3	60	140	0	0		

Sample ID: MB2091107	Sample Type: MBLK	Test Code: 8021_W	Run ID: TVHBTEx2_070911A	Prep Date: 9/11/07	Units: µg/L						
Batch ID: R34254	Test No: SW8021B	File ID: TVB20911003R	Analysis Date: 9/11/07	SeqNo: 610109							
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl-t-butyl ether	U	4.0									
Benzene	U	1.0									
Toluene	U	2.0									
Ethylbenzene	U	2.0									
m,p-Xylene	U	2.0									
o-Xylene	U	2.0									
Surr: 1,2,4-Trichlorobenzene (S)	88.15	0	100	0	88.1	60	140	0	0		

Sample ID: LCS2091107	Sample Type: LCS	Test Code: 8021_W	Run ID: TVHBTEx2_070911A	Prep Date: 9/11/07	Units: µg/L						
Batch ID: R34254	Test No: SW8021B	File ID: TVB20911004R	Analysis Date: 9/11/07	SeqNo: 610110							
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl-t-butyl ether	34.46	4.0	31.2	0	110	70	130	0	0		
Benzene	26.05	1.0	25.5	0	102	70	130	0	0		
Toluene	169.1	2.0	183.6	0	92.1	70	130	0	0		
Ethylbenzene	35.98	2.0	36.8	0	97.8	70	130	0	0		
m,p-Xylene	136.3	2.0	136.3	0	100	70	130	0	0		

## Qualifiers:

U - Not detected at or above the Reporting Limit  
 J - Analyte detected below quantitation limits  
 S - Spike Recovery outside acceptance limits  
 E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits  
 B - Analyte detected in the associated Method Blank  
 H - Prep or analytical holding time exceeded  
 X - See case narrative

Work Order: 07-6497  
Client Project ID: 5369

# ANALYTICAL QC SUMMARY REPORT

BatchID: R34254

Sample ID: LCSS2091107	Sample Type: LCS	TestCode: 8021_W	Run ID: TVHBTEX2_070911A	Prep Date: 9/11/07	Units: µg/L
Batch ID: R34254	TestNo: SW8021B	FileID: TVB20911004R	Analysis Date: 9/11/07	SeqNo: 610110	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
o-Xylene	55.41	2.0	57.2	0	96.9 70 130 0 0
Surr: 1,2,4-Trichlorobenzene (S)	106.9	0	100	0	107 60 140 0 0

Sample ID: 07-6485-01AMS	Sample Type: MS	TestCode: 8021_W	Run ID: TVHBTEX2_070911A	Prep Date: 9/11/07	Units: µg/L
Batch ID: R34254	TestNo: SW8021B	FileID: TVB20911006R	Analysis Date: 9/11/07	SeqNo: 610112	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methyl-t-butyl ether	32.12	4.0	31.2	0	103 65 132 0 0
Benzene	26.53	1.0	25.5	1.856	96.8 70 130 0 0
Toluene	158.3	2.0	183.6	0	86.2 70 130 0 0
Ethylbenzene	33.4	2.0	36.8	0	90.8 62 130 0 0
m,p-Xylene	126.7	2.0	136.3	0	93 70 134 0 0
o-Xylene	51.13	2.0	57.2	0	89.4 63 130 0 0
Surr: 1,2,4-Trichlorobenzene (S)	109.5	0	100	0	110 60 140 0 0

Sample ID: 07-6485-01AMS	Sample Type: MSD	TestCode: 8021_W	Run ID: TVHBTEX2_070911A	Prep Date: 9/11/07	Units: µg/L
Batch ID: R34254	TestNo: SW8021B	FileID: TVB20911007R	Analysis Date: 9/11/07	SeqNo: 610113	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methyl-t-butyl ether	29.77	4.0	31.2	0	95.4 65 132 32.12 7.60 30
Benzene	25.9	1.0	25.5	1.856	94.3 70 130 26.53 2.42 30
Toluene	155.3	2.0	183.6	0	84.6 70 130 158.3 1.91 30
Ethylbenzene	32.51	2.0	36.8	0	88.3 62 130 33.4 2.69 30
m,p-Xylene	123.7	2.0	136.3	0	90.8 70 134 126.7 2.41 30
o-Xylene	49.66	2.0	57.2	0	86.8 63 130 51.13 2.93 30
Surr: 1,2,4-Trichlorobenzene (S)	106.6	0	100	0	109 60 140 0 0

Qualifiers:

U - Not detected at or above the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside acceptance limits  
E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits  
B - Analyte detected in the associated Method Blank  
H - Prep or analytical holding time exceeded  
X - See case narrative

Evergreen Analytical, Inc.

Date: 18-Sep-07

Work Order: 07-6497

Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

TestCode: COND\_W

Sample ID	LCS	SamplType: LCS	TestCode: COND_W	Run ID: COND_070917A	Prep Date: 9/17/2007	Units: µmhos/cm
	Batch ID: R34349	TestNo: SM2510 B	FileID: 47		Analysis Date: 9/17/2007	SeqNo: 611977
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Specific Conductance	93.8	1.00	100.3	0	93.5	90 110 0 0 0

## Qualifiers:

U - Not detected at or above the Reporting Limit  
 J - Analyte detected below quantitation limits  
 S - Spike Recovery outside acceptance limits  
 E - Extrapolated value, value exceeds calibration range.  
 R - RPD outside acceptance limits  
 B - Analyte detected in the associated Method Blank  
 H - Prep or analytical holding time exceeded  
 X - See case narrative



Work Order: 07-6497  
Client Project ID: 5369

# ANALYTICAL QC SUMMARY REPORT

TestCode: PH\_DW

Sample ID	LCS-R34236	SamplType: LCS	TestCode: PH_DW	Run ID: PH_070911A	Prep Date: 9/11/2007	Units: pH Units					
	Batch ID: R34236	TestNo: E150.1	FileID:		Analysis Date: 9/11/2007	SeqNo: 609804					
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.03	1.00	8	0	100	99.3	100.7	0	0		

## Qualifiers:

U - Not detected at or above the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside acceptance limits  
E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits  
B - Analyte detected in the associated Method Blank  
H - Prep or analytical holding time exceeded  
X - See case narrative

Work Order: 07-6497  
Client Project ID: 5369

# ANALYTICAL QC SUMMARY REPORT

TestCode: TDS\_W

Sample ID	MBLK	SampleType: MBLK	TestCode: TDS_W	Run ID: ANALYTICAL BALANCE_070912A	Prep Date: 9/11/2007	Units: mg/L
		Batch ID: R34274	TestNo: SM 2540C	FileID: 1	Analysis Date: 9/12/2007	SeqNo: 610504
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val %RPD RPDLimit Qual

Total Dissolved Solids U 10.0

Sample ID	LCS	SampleType: LCS	TestCode: TDS_W	Run ID: ANALYTICAL BALANCE_070912A	Prep Date: 9/11/2007	Units: mg/L
		Batch ID: R34274	TestNo: SM 2540C	FileID: 2	Analysis Date: 9/12/2007	SeqNo: 610505
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val %RPD RPDLimit Qual
Total Dissolved Solids	394	10.0	400	0	98.5 90 110	0 0

## Qualifiers:

U - Not detected at or above the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside acceptance limits  
E - Extrapolated value, value exceeds calibration range.  
R - RPD outside acceptance limits  
B - Analyte detected in the associated Method Blank  
H - Prep or analytical holding time exceeded  
X - See case narrative

Evergreen Analytical, Inc.

Date: 20-Sep-07

Work Order: 07-6497

Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

BatchID: 13620

Sample ID: MB-13620	Sample Type: MBLK	TestCode: 200.7_D	Run ID: ICP-OPTIMA 5300 DV_070919A	Prep Date: 9/18/07	Units: mg/L
Batch ID: 13620	TestNo: E200.7, Rev.	FileID: 091907PM	Analysis Date: 9/19/07	SeqNo: 613490	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Sodium	0	0.400			
Sample ID: LCS-13620	Sample Type: LCS	TestCode: 200.7_D	Run ID: ICP-OPTIMA 5300 DV_070919A	Prep Date: 9/18/07	Units: mg/L
Batch ID: 13620	TestNo: E200.7, Rev.	FileID: 091907PM	Analysis Date: 9/19/07	SeqNo: 613491	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Sodium	10.14	0.400	10	0	101 80 120 0 0
Sample ID: 07-6497-01CMS	Sample Type: MS	TestCode: 6010_D	Run ID: ICP-OPTIMA 5300 DV_070919A	Prep Date: 9/18/07	Units: mg/L
Client ID: 091007-MMW23	Batch ID: 13620	TestNo: SW6010B	FileID: 091907PM	Analysis Date: 9/19/07	SeqNo: 613493
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Sodium	248.7	0.50	12.5	236	102 75 125 0 0
Sample ID: 07-6497-01CMSD	Sample Type: MSD	TestCode: 6010_D	Run ID: ICP-OPTIMA 5300 DV_070919A	Prep Date: 9/18/07	Units: mg/L
Client ID: 091007-MMW23	Batch ID: 13620	TestNo: SW6010B	FileID: 091907PM	Analysis Date: 9/19/07	SeqNo: 613494
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Sodium	250	0.50	12.5	236	112 75 125 248.7 0.516 20

## Qualifiers:

U - Not detected at or above the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside acceptance limits  
E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits  
B - Analyte detected in the associated Method Blank  
H - Prep or analytical holding time exceeded  
X - See case narrative

Evergreen Analytical, Inc.

Date: 12-Sep-07

Work Order: 07-6497

Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

TestCode: ANIONS\_W

Sample ID: METHOD BLANK	Sample Type: MBLK	TestCode: ANIONS_W	Run ID: IC-DX120_070911A	Prep Date: 9/11/07	Units: mg/L
Batch ID: R34260	TestNo: E300.0	Field:		Analysis Date: 9/11/07	SeqNo: 610308
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Chloride U 0.50

Sample ID: LCS ALLT218024	Sample Type: LCS	TestCode: ANIONS_W	Run ID: IC-DX120_070911A	Prep Date: 9/11/07	Units: mg/L
Batch ID: R34260	TestNo: E300.0	Field:		Analysis Date: 9/11/07	SeqNo: 610307
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Chloride 18.94 1.0 20 0 94.7 90 110 0 0

## Qualifiers:

U - Not detected at or above the Reporting Limit  
 J - Analyte detected below quantitation limits  
 S - Spike Recovery outside acceptance limits  
 E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits  
 B - Analyte detected in the associated Method Blank  
 H - Prep or analytical holding time exceeded  
 X - See case narrative

Evergreen Analytical, Inc.

Date: 12-Sep-07

Work Order: 07-6497

Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

BatchID: GAS091207

Sample ID: GB091207	Sample Type: MBLK	Test Code: MEEP_W	Run ID: FID4_070912A	Prep Date: 9/12/07	Units: mg/L
Batch ID: GAS091207	Test No: RSKSOP175	File ID: GAS0912004	Analysis Date: 9/12/07	SeqNo: 610601	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methane	U	0.00080			
Sample ID: LCS091207	Sample Type: LCS	Test Code: MEEP_W	Run ID: FID4_070912A	Prep Date: 9/12/07	Units: mg/L
Batch ID: GAS091207	Test No: RSKSOP175	File ID: GAS0912005	Analysis Date: 9/12/07	SeqNo: 610602	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methane	0.5966	0.0080	0.5094	0	117 70 130 0 0
Sample ID: LCSD091207	Sample Type: LCSD	Test Code: MEEP_W	Run ID: FID4_070912A	Prep Date: 9/12/07	Units: mg/L
Batch ID: GAS091207	Test No: RSKSOP175	File ID: GAS0912006	Analysis Date: 9/12/07	SeqNo: 610603	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methane	0.5908	0.0080	0.5094	0	116 70 130 0.5966 0.978 30
Sample ID: 07-6537-01GMS	Sample Type: MS	Test Code: MEEP_W	Run ID: FID4_070912A	Prep Date: 9/12/07	Units: mg/L
Batch ID: GAS091207	Test No: RSKSOP175	File ID: GAS0912015	Analysis Date: 9/12/07	SeqNo: 610609	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methane	0.579	0.0080	0.5094	0.0008135	114 70 130 0 0
Sample ID: 07-6537-01GMSD	Sample Type: MSD	Test Code: MEEP_W	Run ID: FID4_070912A	Prep Date: 9/12/07	Units: mg/L
Batch ID: GAS091207	Test No: RSKSOP175	File ID: GAS0912016	Analysis Date: 9/12/07	SeqNo: 610600	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methane	0.5729	0.0080	0.5094	0.0008135	112 70 130 0.579 1.06 30

## Qualifiers:

U - Not detected at or above the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside acceptance limits  
E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits  
B - Analyte detected in the associated Method Blank  
H - Prep or analytical holding time exceeded  
X - See case narrative

## Evergreen Analytical, Inc.



4036 Youngfield St.  
Wheat Ridge, CO 80033-3862  
PH (303) 425-6021  
FAX (303) 425-6854

**FAX**

"Quality Data On Time"

TO: Dion Plsek	DATE 9/17/07
COMPANY: Cordilleran Compliance	# PAGES (Including Cover): 19
FAX #:	FROM:

MESSAGE-Please deliver to the recipient immediately:

6596

The information and accompanying materials in this facsimile message are confidential information intended only for the individual or entity named above. If the reader of this message is not the intended recipient, or the employer or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication or accompanying materials is strictly prohibited. If you have received this communication in error, please notify us by telephone, and return the original message and accompanying materials to us at the above address via the U.S. Postal service. We will reimburse any reasonable costs you incur in notifying us and returning the message and accompanying materials to us. Thank you.

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW6

Lab Work Order 07-6596

Client Project ID: 5369

Lab Sample ID: 07-6596-01A

Date Collected: 9/12/07

Sample Matrix: Water

Date Received: 9/13/07

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07

Lab File ID: TVB20913\009R

Dilution Factor: 1

Date Analyzed: 9/13/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	86	QC Limits: 60-140	%REC

  
Analyst

  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value, Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 S - Spike Recovery outside accepted limits  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
 Surr - Surrogate

Print Date: 9/17/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW7  
Client Project ID: 5369  
Date Collected: 9/12/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-02A  
Sample Matrix: Water

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07

Lab File ID: TVB20913\006R

Dilution Factor: 1

Date Analyzed: 9/13/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	88	QC Limits: 60-140	%REC



Analyst



Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Print Date: 9/17/07



## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW8  
Client Project ID: 5369  
Date Collected: 9/12/07  
Date Received: 9/13/07

Lab Work Order: 07-6596  
Lab Sample ID: 07-6596-03A  
Sample Matrix: Water

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07

Lab File ID: TVB20913\010R

Dilution Factor: 1

Date Analyzed: 9/13/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	87	QC Limits: 60-140	%REC

  
Analyst

  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW16  
Client Project ID: 5369  
Date Collected: 9/12/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-04A  
Sample Matrix: Water

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07

Lab File ID: TVB20913\011R

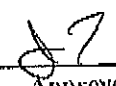
Dilution Factor: 1

Date Analyzed: 9/13/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	87	QC Limits: 60-140	%REC

  
Analyst

  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW17  
Client Project ID: 5369  
Date Collected: 9/12/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-05A  
Sample Matrix: Water

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07

Lab File ID: TVB20913\012R

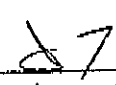
Dilution Factor: 1

Date Analyzed: 9/13/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	30	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	87	QC Limits: 60-140	%REC

  
Analyst

  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: 091207-MW2

Lab Work Order 07-6596

Client Project ID: 5369

Lab Sample ID: 07-6596-06A

Date Collected: 9/12/07

Sample Matrix: Water

Date Received: 9/13/07

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07

Lab File ID: TVB20913\013R

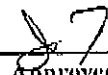
Dilution Factor: 1

Date Analyzed: 9/13/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	260	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	8.1	2.0	µg/L
m,p-Xylene	1330-20-7	45	2.0	µg/L
o-Xylene	95-47-6	6.2	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	88	QC Limits: 60-140	%REC


  
Analyst


  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value, Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 S - Spike Recovery outside accepted limits  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 ^ - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
 Surr - Surrogate

Print Date: 9/17/07

**Evergreen Analytical, Inc.**

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW25  
Client Project ID: 5369  
Date Collected: 9/12/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-07A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS****Method: SW8021B****Prep Method: SW5030B**

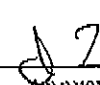
Date Prepared: 9/13/07  
Date Analyzed: 9/13/07

Lab File ID: TVB20913\015R  
Method Blank: MB2091307

Dilution Factor: 1

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC

  
Analyst

  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value, Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW11  
Client Project ID: 5369  
Date Collected: 9/12/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-08A  
Sample Matrix: Water

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07

Lab File ID: TVB20913\016R

Dilution Factor: 1

Date Analyzed: 9/13/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	87	QC Limits: 60-140	%REC

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW12  
Client Project ID: 5369  
Date Collected: 9/12/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-09A  
Sample Matrix: Water

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07  
Date Analyzed: 9/13/07

Lab File ID: TVB20913W17R  
Method Blank: MB2091307

Dilution Factor: 1

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	5.4	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	87	QC Limits: 60-140	%REC

  
Analyst

  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW13

Lab Work Order 07-6596

Client Project ID: 5369

Lab Sample ID: 07-6596-10A

Date Collected: 9/12/07

Sample Matrix: Water

Date Received: 9/13/07

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07

Lab File ID: TVB20913\022R

Dilution Factor: 1

Date Analyzed: 9/13/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surrogate: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC

  
 Analyst

  
 Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value. Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 S - Spike Recovery outside accepted limits  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
 Surrogate - Surrogate

Print Date: 9/17/07



## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091107-MW21

Lab Work Order 07-6596

Client Project ID: 5369

Lab Sample ID: 07-6596-11A

Date Collected: 9/11/07

Sample Matrix: Water

Date Received: 9/13/07

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07

Lab File ID: TVB20913\023R

Dilution Factor: 1

Date Analyzed: 9/13/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC

  
 Analyst

  
 Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value. Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 I - Indicates an estimated value when the compound is detected, but is below the LQL  
 S - Spike Recovery outside accepted limits  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLF limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
 Surr - Surrogate

Print Date: 9/17/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091107-MW20

Lab Work Order 07-6596

Client Project ID: 5369

Lab Sample ID: 07-6596-12A

Date Collected: 9/11/07

Sample Matrix: Water

Date Received: 9/13/07

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07

Lab File ID: TVB20913\024R

Dilution Factor: 1

Date Analyzed: 9/13/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC



Analyst



Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value. Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 S - Spike Recovery outside accepted limits  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
 Surr - Surrogate

Print Date: 9/17/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091107-MW22

Lab Work Order: 07-6596

Client Project ID: 5369

Lab Sample ID: 07-6596-13A

Date Collected: 9/11/07

Sample Matrix: Water

Date Received: 9/13/07

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07

Lab File ID: TVB20913\025R

Dilution Factor: 1

Date Analyzed: 9/13/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	83	QC Limits: 60-140	%REC

  
 Analyst

  
 Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value. Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 S - Spike Recovery outside accepted limits  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
 Surr - Surrogate

Print Date: 9/17/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091107-MW18  
Client Project ID: 5369  
Date Collected: 9/11/07  
Date Received: 9/13/07

Lab Work Order: 07-6596  
Lab Sample ID: 07-6596-14A  
Sample Matrix: Water

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07

Lab File ID: TVB20913\026R

Dilution Factor: 1

Date Analyzed: 9/14/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	83	QC Limits: 60-140	%REC

  
Analyst

  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value, Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091107-MW26

Client Project ID: 5369

Date Collected: 9/11/07

Date Received: 9/13/07

Lab Work Order 07-6596

Lab Sample ID: 07-6596-15A

Sample Matrix: Water

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07

Lab File ID: TVB20913\027R


Dilution Factor: 1

Date Analyzed: 9/14/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	81	QC Limits: 60-140	%REC

  
 Analyst

  
 Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value. Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 S - Spike Recovery outside accepted limits  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
 Surr - Surrogate

Print Date: 9/17/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: 091107-MW15

Lab Work Order 07-6596

Client Project ID: 5369

Lab Sample ID: 07-6596-16A

Date Collected: 9/11/07

Sample Matrix: Water

Date Received: 9/13/07

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07

Lab File ID: TVB20913\028R


Dilution Factor: 1

Date Analyzed: 9/14/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	83	QC Limits: 60-140	%REC


  
Analyst


  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value, Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 S - Spike Recovery outside accepted limits  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
 Surr - Surrogate

Print Date: 9/17/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091107-MW1

Lab Work Order: 07-6596

Client Project ID: 5369

Lab Sample ID: 07-6596-17A

Date Collected: 9/11/07

Sample Matrix: Water

Date Received: 9/13/07

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07

Lab File ID: TVB20913\029R

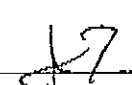
Dilution Factor: 1

Date Analyzed: 9/14/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Sur: 1,2,4-Trichlorobenzene (S)	120-82-1	84	QC Limits: 60-140	%REC

  
 Analyst

  
 Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value. Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 S - Spike Recovery outside accepted limits  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
 Sur - Surrogate

Print Date: 9/17/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: 091107-AAA

Lab Work Order 07-6596

Client Project ID: 5369

Lab Sample ID: 07-6596-18A

Date Collected: 9/11/07

Sample Matrix: Water

Date Received: 9/13/07

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07


Lab File ID: TVB20913\030R

Dilution Factor: 1

Date Analyzed: 9/14/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Sum: 1,2,4-Trichlorobenzene (S)	120-82-1	82	QC Limits: 60-140	%REC

  
\_\_\_\_\_  
Analyst  
\_\_\_\_\_  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
I - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Sum - Surrogate

Print Date: 9/17/07





## Evergreen Analytical, Inc.

4036 Youngfield St.  
Wheat Ridge, CO 80033-3862  
PH (303) 425-6021  
FAX (303) 425-6854

**FAX**

"Quality Data On Time"

TO: <i>Dion Plach</i>	DATE: <b>SEP 27 2007</b>
COMPANY: <i>Cordillera</i>	# PAGES (Including Cover): <i>6</i>
FAX #:	FROM:

MESSAGE-Please deliver to the recipient immediately:

*6648*

*Re-run results for Samples 5, 8, 9, 10, 11*  
*BTEX*

The information and accompanying materials in this facsimile message are confidential information intended only for the individual or entity named above. If the reader of this message is not the intended recipient, or the employer or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication or accompanying materials is strictly prohibited. If you have received this communication in error, please notify us by telephone, and return the original message and accompanying materials to us at the above address via the U.S. Postal service. We will reimburse any reasonable costs you incur in notifying us and returning the message and accompanying materials to us. Thank you.

**Evergreen Analytical, Inc.**

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS2  
Client Project ID: 5369  
Date Collected: 9/13/07  
Date Received: 9/14/07

Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-05A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS****Method: SW8021B****Prep Method: SW5030B**

Date Prepared: 9/16/07

Lab File ID: TVB20916\012R

Dilution Factor: 1

Date Analyzed: 9/16/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	87	QC Limits: 60-140	%REC

Date Prepared: 9/25/07

Lab File ID: TVB20925\022R

Dilution Factor: 1

Date Analyzed: 9/25/07

Method Blank: MB2092507

Analytes	CAS Number	Result	LQL	Units
m,p-Xylene	1330-20-7	U H	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	88	QC Limits: 60-140	%REC

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
M - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/27/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS5

Client Project ID: 5369

Date Collected: 9/13/07

Date Received: 9/14/07

Lab Work Order: 07-6648

Lab Sample ID: 07-6648-08A

Sample Matrix: Water

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/16/07

Lab File ID: TVB20916019R

Dilution Factor: 1

Date Analyzed: 9/16/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surf: 1,2,4-Trichlorobenzene (S)	120-82-1	88	QC Limits: 60-140	%REC

Date Prepared: 9/25/07

Lab File ID: TVB20925023R

Dilution Factor: 1

Date Analyzed: 9/25/07

Method Blank: MB2092507

Analytes	CAS Number	Result	LQL	Units
m,p-Xylene	1330-20-7	U H	2.0	µg/L
Surf: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC



Analyst



Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
FI - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surf - Surrogate

Print Date: 9/27/07

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS6

Lab Work Order: 07-6648

Client Project ID: 5369

Lab Sample ID: 07-6648-09A

Date Collected: 9/13/07

Sample Matrix: Water

Date Received: 9/14/07

**AROMATIC VOLATILE ORGANICS****Method: SW8021B****Prep Method: SW5030B**

Date Prepared: 9/16/07

Lab File ID: TVB20916\020R

Dilution Factor: 1

Date Analyzed: 9/16/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl-ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC

Date Prepared: 9/25/07

Lab File ID: TVB20925\024R

Dilution Factor: 1

Date Analyzed: 9/25/07

Method Blank: MB2092507

Analytes	CAS Number	Result	LQL	Units
m,p-Xylene	1330-20-7	U H	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC

**Analyst****Approved****Notes:** Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/27/07

**Evergreen Analytical, Inc.**

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS7

Lab Work Order: 07-6648

Client Project ID: 5369

Lab Sample ID: 07-6648-10A

Date Collected: 9/13/07

Sample Matrix: Water

Date Received: 9/14/07

**AROMATIC VOLATILE ORGANICS**

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/16/07

Lab File ID: TVB20916\021R

Dilution Factor: 1

Date Analyzed: 9/17/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	84	QC Limits: 60-140	%REC

Date Prepared: 9/25/07

Lab File ID: TVB20925\025R

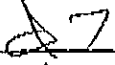
Dilution Factor: 1

Date Analyzed: 9/25/07

Method Blank: MB2092507

Analytes	CAS Number	Result	LQL	Units
m,p-Xylene	1330-20-7	U H	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	83	QC Limits: 60-140	%REC

  
 Analyst

  
 Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value. Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 S - Spike Recovery outside accepted limits  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
 Surr - Surrogate

Print Date: 9/27/07

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS8  
Client Project ID: 5369  
Date Collected: 9/13/07  
Date Received: 9/14/07

Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-11A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

**Method: SW8021B****Prep Method: SW5030B**

Date Prepared: 9/16/07

Lab File ID: TVB20916\022R

Dilution Factor: 1

Date Analyzed: 9/17/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	86	QC Limits: 60-140	%REC

Date Prepared: 9/25/07

Lab File ID: TVB20925\026R

Dilution Factor: 1

Date Analyzed: 9/26/07

Method Blank: MB2092507

Analytes	CAS Number	Result	LQL	Units
m,p-Xylene	1330-20-7	U H	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC

  
\_\_\_\_\_  
Analyst  
\_\_\_\_\_  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/27/07



## Evergreen Analytical, Inc.

4036 Youngfield St.  
Wheat Ridge, CO 80033-3862  
PH (303) 425-6021  
FAX (303) 425-6854

**FAX****"Quality Data On Time"**

TO:	Dion Plsek	DATE	9/19/07
COMPANY:	Cordilleran Compliance	# PAGES (Including Cover):	13
FAX #:		FROM:	

**MESSAGE-Please deliver to the recipient immediately:**

6648

The information and accompanying materials in this facsimile message are confidential information intended only for the individual or entity named above. If the reader of this message is not the intended recipient, or the employer or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication or accompanying materials is strictly prohibited. If you have received this communication in error, please notify us by telephone, and return the original message and accompanying materials to us at the above address via the U.S. Postal service. We will reimburse any reasonable costs you incur in notifying us and returning the message and accompanying materials to us. Thank you.

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021Client Sample ID: 091307-MW4  
Client Project ID: 5369  
Date Collected: 9/13/07  
Date Received: 9/14/07Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-01A  
Sample Matrix: Water

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/16/07

Lab File ID: TVB20916\024R

Dilution Factor: 1

Date Analyzed: 9/17/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	170	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	4.8	2.0	µg/L
m,p-Xylene	1330-20-7	50	2.0	µg/L
o-Xylene	95-47-6	7.9	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC

  
\_\_\_\_\_  
Analyst  
\_\_\_\_\_  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
EI - Sample analysis exceeded analytical holding time  
I - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/18/07



## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-MW14

Client Project ID: 5369

Date Collected: 9/13/07

Date Received: 9/14/07

Lab Work Order 07-6648

Lab Sample ID: 07-6648-02A

Sample Matrix: Water

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/16/07

Lab File ID: TVB20916\025R


Dilution Factor: 1

Date Analyzed: 9/17/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-(t-butyl) ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC

  
 Analyst

  
 Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value. Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 S - Spike Recovery outside accepted limits  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
 Surr - Surrogate

Print Date: 9/18/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-MW9  
Client Project ID: 5369  
Date Collected: 9/13/07  
Date Received: 9/14/07

Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-03A  
Sample Matrix: Water

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/16/07

Lab File ID: TVB20916\005R

Dilution Factor: 1

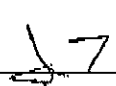
Date Analyzed: 9/16/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	4.2	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	2.4	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	95	QC Limits: 60-140	%REC



Analyst



Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/18/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS1

Client Project ID: 5369

Date Collected: 9/13/07

Date Received: 9/14/07

Lab Work Order 07-6648

Lab Sample ID: 07-6648-04A

Sample Matrix: Water

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/16/07

Lab File ID: TVB20916\035R

Dilution Factor: 1

Date Analyzed: 9/17/07

Method Blank: MB2091607-2

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	86	QC Limits: 60-140	%REC

  
Analyst  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/18/07

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS2

Client Project ID: 5369

Date Collected: 9/13/07

Date Received: 9/14/07

Lab Work Order 07-6648

Lab Sample ID: 07-6648-05A

Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/16/07

Lab File ID: TVB20916\012R

Dilution Factor: 1

Date Analyzed: 9/16/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	2.0	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	87	QC Limits: 60-140	%REC

  
 Analyst

  
 Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value, Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 S - Spike Recovery outside accepted limits  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
 Surr - Surrogate

Print Date: 9/18/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS3

Client Project ID: 5369

Date Collected: 9/13/07

Date Received: 9/14/07

Lab Work Order 07-6648

Lab Sample ID: 07-6648-06A

Sample Matrix: Water

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/16/07


Lab File ID: TVB20916013R

Dilution Factor: 1

Date Analyzed: 9/16/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC

  
Analyst  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Print Date: 9/18/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: 091307-DCS4

Lab Work Order 07-6648

Client Project ID: 5369

Lab Sample ID: 07-6648-07A

Date Collected: 9/13/07

Sample Matrix: Water

Date Received: 9/14/07

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/16/07

Lab File ID: TVB20916\014R

Dilution Factor: 1

Date Analyzed: 9/16/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	86	QC Limits: 60-140	%REC



Analyst



Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/18/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS5

Client Project ID: 5369

Date Collected: 9/13/07

Date Received: 9/14/07

Lab Work Order 07-6648

Lab Sample ID: 07-6648-08A

Sample Matrix: Water

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/16/07

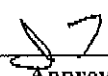
Lab File ID: TVB20916\019R

Dilution Factor: 1

Date Analyzed: 9/16/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	2.2	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	88	QC Limits: 60-140	%REC

  
\_\_\_\_\_  
Analyst  
\_\_\_\_\_  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/18/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS6

Lab Work Order 07-6648

Client Project ID: 5369

Lab Sample ID: 07-6648-09A

Date Collected: 9/13/07

Sample Matrix: Water

Date Received: 9/14/07

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/16/07

Lab File ID: TVB20916\020R

Dilution Factor: 1

Date Analyzed: 9/16/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	2.1	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC

  
Analyst  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/18/07



## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS7

Lab Work Order 07-6648

Client Project ID: 5369

Lab Sample ID: 07-6648-10A

Date Collected: 9/13/07

Sample Matrix: Water

Date Received: 9/14/07

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/16/07

Lab File ID: TVB20916\021R

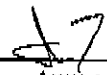
Dilution Factor: 1

Date Analyzed: 9/17/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	2.1	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	84	QC Limits: 60-140	%REC

  
 Analyst

  
 Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value. Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 S - Spike Recovery outside accepted limits  
 U - Compound analyzed for but not detected  
 X - See case narrative

Definitions: LQL - Lower Quantitation Limit  
 Surr - Surrogate

\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Print Date: 9/18/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS8

Lab Work Order: 07-6648

Client Project ID: 5369

Lab Sample ID: 07-6648-11A

Date Collected: 9/13/07

Sample Matrix: Water

Date Received: 9/14/07

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/16/07


Lab File ID: TVB20916\022R

Dilution Factor: 1

Date Analyzed: 9/17/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	2.1	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	86	QC Limits: 60-140	%REC

  
\_\_\_\_\_  
Analyst  
\_\_\_\_\_  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/18/07

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091307-DCS0  
Client Project ID: 5369  
Date Collected: 9/13/07  
Date Received: 9/14/07

Lab Work Order: 07-6648  
Lab Sample ID: 07-6648-12A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/16/07

Lab File ID: TVB20916\023R

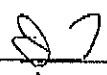
Dilution Factor: 1

Date Analyzed: 9/17/07

Method Blank: MB2091607

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	84	QC Limits: 60-140	%REC

  
\_\_\_\_\_  
Analyst

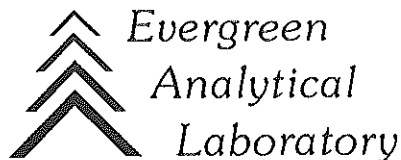
  
\_\_\_\_\_  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/18/07



September 27, 2007

Dion Plsek  
Cordilleran Compliance  
826 21 1/2 Road  
Grand Junction, CO 81505

Lab Work Order: 07-6596  
Client Project ID: 5369

Dear Dion Plsek:

Enclosed are the analytical results for the samples shown in the Laboratory Work Order Summary. The invoice is included with this report or has been mailed to another party as indicated on the chain of custody.

The enclosed data for testing performed at Evergreen Analytical Laboratory (EAL) have been reviewed for quality assurance. A case narrative is included to describe any anomalies associated with the samples or data.

A copy of this project report and supporting data will be retained for a period of five years unless we are otherwise advised by you. A document retrieval charge will apply.

Thank you for using the services of Evergreen Analytical. If you have any questions concerning the analytical data, please contact me. Please direct other questions to Client Services.

Sincerely,

A handwritten signature in cursive script that reads "Carl Smits".

Carl Smits / Kaprie Hollman  
Technical Director of Chemical Analysis

**WORK ORDER Summary****Evergreen Analytical, Inc.****07-6596**

Rpt To: Dion Plsek

Fax To: Dion Plsek

FX: (970) 263-7456

Cordilleran Compliance

Email To: dionplsek@cordcomp.com

826 21 1/2 Road

9/13/2007 8:41:58 AM

Grand Junction, CO 81505

(970) 263-7800

Client Project ID: 5369

QC Level: LEVEL 1+

Comments: Add Sample Summary Report to all results packages.

Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Test Code	Test Name	Hold	MS	Date Due	Hold Time
07-6596-01A	091207-MW6	Water	9/12/07 0830	9/13/07	8021_W *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/18/07	9/19/07
07-6596-01B	091207-MW6	Water	9/12/07 0830	9/13/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	10/10/07
07-6596-01B	091207-MW6	Water	9/12/07 0830	9/13/07	PH_DW	EI50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/13/07
07-6596-01B	091207-MW6	Water	9/12/07 0830	9/13/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/19/07
07-6596-01C	091207-MW6	Water	9/12/07 0830	9/13/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	3/10/08
07-6596-01D	091207-MW6	Water	9/12/07 0830	9/13/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/14/07
07-6596-01E	091207-MW6	Water	9/12/07 0830	9/13/07	MEEP_W *	RSKI75M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/19/07
07-6596-02A	091207-MW7	Water	9/12/07 0900	9/13/07	8021_W *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/18/07	9/19/07
07-6596-02B	091207-MW7	Water	9/12/07 0900	9/13/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	10/10/07
07-6596-02B	091207-MW7	Water	9/12/07 0900	9/13/07	PH_DW	EI50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/13/07
07-6596-02B	091207-MW7	Water	9/12/07 0900	9/13/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/19/07
07-6596-02C	091207-MW7	Water	9/12/07 0900	9/13/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	3/10/08
07-6596-02D	091207-MW7	Water	9/12/07 0900	9/13/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/14/07
07-6596-02E	091207-MW7	Water	9/12/07 0900	9/13/07	MEEP_W *	RSKI75M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/19/07
07-6596-03A	091207-MW8	Water	9/12/07 0930	9/13/07	8021_W *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/18/07	9/19/07
07-6596-03B	091207-MW8	Water	9/12/07 0930	9/13/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	10/10/07
07-6596-03B	091207-MW8	Water	9/12/07 0930	9/13/07	PH_DW	EI50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/13/07
07-6596-03B	091207-MW8	Water	9/12/07 0930	9/13/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/19/07
07-6596-03C	091207-MW8	Water	9/12/07 0930	9/13/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	3/10/08
07-6596-03D	091207-MW8	Water	9/12/07 0930	9/13/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/14/07

Definitions: \* - Test Code has a Select List

**WORK ORDER Summary****Evergreen Analytical, Inc.****07-6596**

Rpt To: Dion Plsek

Fax To: Dion Plsek

FX: (970) 263-7456

Cordilleran Compliance

Email To: dionplsek@cordcomp.com

826 21 1/2 Road

Grand Junction, CO 81505

(970) 263-7800

9/13/2007 8:41:58 AM

Client Project ID: 5369

QC Level: LEVEL I+

07-6596-03E	091207-MW8	Water	9/12/07 0930	9/13/07	MEEP_w *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/19/07
07-6596-04A	091207-MW16	Water	9/12/07 1030	9/13/07	8021_w *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/18/07	9/19/07
07-6596-04B	091207-MW16	Water	9/12/07 1030	9/13/07	COND_w	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	10/10/07
07-6596-04B	091207-MW16	Water	9/12/07 1030	9/13/07	PH_DW	E150.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/13/07
07-6596-04C	091207-MW16	Water	9/12/07 1030	9/13/07	TDS_w	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/19/07
07-6596-04C	091207-MW16	Water	9/12/07 1030	9/13/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	3/10/08
07-6596-04D	091207-MW16	Water	9/12/07 1030	9/13/07	ANIONS_w *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/14/07
07-6596-04E	091207-MW16	Water	9/12/07 1030	9/13/07	MEEP_w *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/19/07
07-6596-05A	091207-MW17	Water	9/12/07 1000	9/13/07	8021_w *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/18/07	9/19/07
07-6596-05B	091207-MW17	Water	9/12/07 1000	9/13/07	COND_w	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	10/10/07
07-6596-05B	091207-MW17	Water	9/12/07 1000	9/13/07	PH_DW	E150.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/13/07
07-6596-05B	091207-MW17	Water	9/12/07 1000	9/13/07	TDS_w	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/19/07
07-6596-05C	091207-MW17	Water	9/12/07 1000	9/13/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	3/10/08
07-6596-05D	091207-MW17	Water	9/12/07 1000	9/13/07	ANIONS_w *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/14/07
07-6596-05E	091207-MW17	Water	9/12/07 1000	9/13/07	MEEP_w *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/19/07
07-6596-06A	091207-MW2	Water	9/12/07 1100	9/13/07	8021_w *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/18/07	9/19/07
07-6596-06B	091207-MW2	Water	9/12/07 1100	9/13/07	COND_w	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	10/10/07
07-6596-06B	091207-MW2	Water	9/12/07 1100	9/13/07	PH_DW	E150.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/13/07
07-6596-06B	091207-MW2	Water	9/12/07 1100	9/13/07	TDS_w	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/19/07
07-6596-06C	091207-MW2	Water	9/12/07 1100	9/13/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	3/10/08
07-6596-06D	091207-MW2	Water	9/12/07 1100	9/13/07	ANIONS_w *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/14/07
07-6596-06E	091207-MW2	Water	9/12/07 1100	9/13/07	MEEP_w *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/19/07

Definitions: \* - Test Code has a Select List

**WORK ORDER Summary****Evergreen Analytical, Inc.****07-6596****Rpt To:** Dion Pisek**Fax To:** Dion Pisek**FX:** (970) 263-7456

Cordilleran Compliance

**Email To:** dionpisek@cordcomp.com

826 21 1/2 Road

Grand Junction, CO 81505

9/13/2007 8:41:58 AM

(970) 263-7800

**Client Project ID:** 5369**QC Level:** LEVEL I+

07-6596-07A	091207-MW25	Water	9/12/07 1230	9/13/07	8021_W *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/18/07	9/19/07
07-6596-07B	091207-MW25	Water	9/12/07 1230	9/13/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	10/10/07
07-6596-07B	091207-MW25	Water	9/12/07 1230	9/13/07	PH_DW	El50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/13/07
07-6596-07B	091207-MW25	Water	9/12/07 1230	9/13/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/19/07
07-6596-07C	091207-MW25	Water	9/12/07 1230	9/13/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	3/10/08
07-6596-07D	091207-MW25	Water	9/12/07 1230	9/13/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/14/07
07-6596-07E	091207-MW25	Water	9/12/07 1230	9/13/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/19/07
07-6596-08A	091207-MW11	Water	9/12/07 1300	9/13/07	8021_W *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/18/07	9/19/07
07-6596-08B	091207-MW11	Water	9/12/07 1300	9/13/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	10/10/07
07-6596-08B	091207-MW11	Water	9/12/07 1300	9/13/07	PH_DW	El50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/13/07
07-6596-08B	091207-MW11	Water	9/12/07 1300	9/13/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/19/07
07-6596-08C	091207-MW11	Water	9/12/07 1300	9/13/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	3/10/08
07-6596-08D	091207-MW11	Water	9/12/07 1300	9/13/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/14/07
07-6596-08E	091207-MW11	Water	9/12/07 1300	9/13/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/19/07
07-6596-09A	091207-MW12	Water	9/12/07 1200	9/13/07	8021_W *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/18/07	9/19/07
07-6596-09B	091207-MW12	Water	9/12/07 1200	9/13/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	10/10/07
07-6596-09B	091207-MW12	Water	9/12/07 1200	9/13/07	PH_DW	El50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/13/07
07-6596-09B	091207-MW12	Water	9/12/07 1200	9/13/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/19/07
07-6596-09C	091207-MW12	Water	9/12/07 1200	9/13/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	3/10/08
07-6596-09D	091207-MW12	Water	9/12/07 1200	9/13/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/14/07
07-6596-09E	091207-MW12	Water	9/12/07 1200	9/13/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/19/07
07-6596-10A	091207-MW13	Water	9/12/07 1130	9/13/07	8021_W *	8021: BTEX, MBE	<input type="checkbox"/>	<input type="checkbox"/>	9/18/07	9/19/07

**Definitions:** \* - Test Code has a Select List

## WORK ORDER Summary

Evergreen Analytical, Inc.

07-6596

Rpt To: Dion Pisek

Fax To: Dion Pisek

FX: (970) 263-7456

Cordilleran Compliance

Email To: dionpisek@cordcomp.com

826 21 1/2 Road

Grand Junction, CO 81505

9/13/2007 8:41:58 AM

(970) 263-7800

Client Project ID: 5369

QC Level: LEVEL I+

07-6596-10B	091207-MW13	Water	9/12/07 1130	9/13/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	10/10/07
07-6596-10B	091207-MW13	Water	9/12/07 1130	9/13/07	PH_DW	E150.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/13/07
07-6596-10B	091207-MW13	Water	9/12/07 1130	9/13/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/19/07
07-6596-10C	091207-MW13	Water	9/12/07 1130	9/13/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	3/10/08
07-6596-10D	091207-MW13	Water	9/12/07 1130	9/13/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/14/07
07-6596-10E	091207-MW13	Water	9/12/07 1130	9/13/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/19/07
07-6596-11A	091107-MW21	Water	9/11/07 0930	9/13/07	8021_W *	8021: BTEX, MIBE	<input type="checkbox"/>	<input type="checkbox"/>	9/18/07	9/18/07
07-6596-11B	091107-MW21	Water	9/11/07 0930	9/13/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	10/09/07
07-6596-11B	091107-MW21	Water	9/11/07 0930	9/13/07	PH_DW	E150.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/12/07
07-6596-11B	091107-MW21	Water	9/11/07 0930	9/13/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/18/07
07-6596-11C	091107-MW21	Water	9/11/07 0930	9/13/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	3/09/08
07-6596-11D	091107-MW21	Water	9/11/07 0930	9/13/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/13/07
07-6596-11E	091107-MW21	Water	9/11/07 0930	9/13/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/18/07
07-6596-12A	091107-MW20	Water	9/11/07 1000	9/13/07	8021_W *	8021: BTEX, MIBE	<input type="checkbox"/>	<input type="checkbox"/>	9/18/07	9/18/07
07-6596-12B	091107-MW20	Water	9/11/07 1000	9/13/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	10/09/07
07-6596-12B	091107-MW20	Water	9/11/07 1000	9/13/07	PH_DW	E150.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/12/07
07-6596-12B	091107-MW20	Water	9/11/07 1000	9/13/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/18/07
07-6596-12C	091107-MW20	Water	9/11/07 1000	9/13/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	3/09/08
07-6596-12D	091107-MW20	Water	9/11/07 1000	9/13/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/13/07
07-6596-12E	091107-MW20	Water	9/11/07 1000	9/13/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/18/07
07-6596-13A	091107-MW22	Water	9/11/07 1000	9/13/07	8021_W *	8021: BTEX, MIBE	<input type="checkbox"/>	<input type="checkbox"/>	9/18/07	9/18/07
07-6596-13B	091107-MW22	Water	9/11/07 1000	9/13/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	10/09/07

Definitions: \* - Test Code has a Select List



**WORK ORDER Summary****Evergreen Analytical, Inc.****07-6596**

Rpt To: Dion Plsek

Fax To: Dion Plsek

FX: (970) 263-7456

Cordilleran Compliance

Email To: dionplsek@cordcomp.com

826 21 1/2 Road

Grand Junction, CO 81505

9/13/2007 8:41:58 AM

(970) 263-7800

Client Project ID: 5369

QC Level: LEVEL I+

07-6596-13B	091107-MW22	Water	9/11/07 1000	9/13/07	PH_DW	El50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/12/07
07-6596-13B	091107-MW22	Water	9/11/07 1000	9/13/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/18/07
07-6596-13C	091107-MW22	Water	9/11/07 1000	9/13/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	3/09/08
07-6596-13D	091107-MW22	Water	9/11/07 1000	9/13/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/13/07
07-6596-13E	091107-MW22	Water	9/11/07 1000	9/13/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/18/07
07-6596-14A	091107-MW18	Water	9/11/07 1100	9/13/07	8021_W *	8021: BTEX, MIBE	<input type="checkbox"/>	<input type="checkbox"/>	9/18/07	9/18/07
07-6596-14B	091107-MW18	Water	9/11/07 1100	9/13/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	10/09/07
07-6596-14B	091107-MW18	Water	9/11/07 1100	9/13/07	PH_DW	El50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/12/07
07-6596-14B	091107-MW18	Water	9/11/07 1100	9/13/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/18/07
07-6596-14C	091107-MW18	Water	9/11/07 1100	9/13/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	3/09/08
07-6596-14D	091107-MW18	Water	9/11/07 1100	9/13/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/13/07
07-6596-14E	091107-MW18	Water	9/11/07 1100	9/13/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/18/07
07-6596-15A	091107-MW26	Water	9/11/07 1130	9/13/07	8021_W *	8021: BTEX, MIBE	<input type="checkbox"/>	<input type="checkbox"/>	9/18/07	9/18/07
07-6596-15B	091107-MW26	Water	9/11/07 1130	9/13/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	10/09/07
07-6596-15B	091107-MW26	Water	9/11/07 1130	9/13/07	PH_DW	El50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/12/07
07-6596-15B	091107-MW26	Water	9/11/07 1130	9/13/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/18/07
07-6596-15C	091107-MW26	Water	9/11/07 1130	9/13/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	3/09/08
07-6596-15D	091107-MW26	Water	9/11/07 1130	9/13/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/13/07
07-6596-15E	091107-MW26	Water	9/11/07 1130	9/13/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/18/07
07-6596-16A	091107-MW15	Water	9/11/07 1200	9/13/07	8021_W *	8021: BTEX, MIBE	<input type="checkbox"/>	<input type="checkbox"/>	9/18/07	9/18/07
07-6596-16B	091107-MW15	Water	9/11/07 1200	9/13/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	10/09/07
07-6596-16B	091107-MW15	Water	9/11/07 1200	9/13/07	PH_DW	El50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/12/07

Definitions: \* - Test Code has a Select List

**WORK ORDER Summary****Evergreen Analytical, Inc.****07-6596**

Rpt To: Dion Pisek

Cordilleran Compliance

826 21 1/2 Road

Grand Junction, CO 81505

(970) 263-7800

Fax To: Dion Pisek

Email To: dionpisek@cordcomp.com

FX: (970) 263-7456

9/13/2007 8:41:58 AM

Client Project ID: 5369

QC Level: LEVEL I+

07-6596-16B	091107-MW15	Water	9/11/07 1200	9/13/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/18/07
07-6596-16C	091107-MW15	Water	9/11/07 1200	9/13/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	3/09/08
07-6596-16D	091107-MW15	Water	9/11/07 1200	9/13/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/13/07
07-6596-16E	091107-MW15	Water	9/11/07 1200	9/13/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/18/07
07-6596-17A	091107-MW1	Water	9/11/07 1230	9/13/07	8021_W *	8021: BTEX, MIBE	<input type="checkbox"/>	<input type="checkbox"/>	9/18/07	9/18/07
07-6596-17B	091107-MW1	Water	9/11/07 1230	9/13/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	10/09/07
07-6596-17B	091107-MW1	Water	9/11/07 1230	9/13/07	PH_DW	El 50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/12/07
07-6596-17B	091107-MW1	Water	9/11/07 1230	9/13/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/18/07
07-6596-17C	091107-MW1	Water	9/11/07 1230	9/13/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	3/09/08
07-6596-17D	091107-MW1	Water	9/11/07 1230	9/13/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/13/07
07-6596-17E	091107-MW1	Water	9/11/07 1230	9/13/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/18/07
07-6596-18A	091107-A4A	Water	9/11/07 1215	9/13/07	8021_W *	8021: BTEX, MIBE	<input type="checkbox"/>	<input type="checkbox"/>	9/18/07	9/18/07
07-6596-18B	091107-A4A	Water	9/11/07 1215	9/13/07	COND_W	Specific Conductance @ 25°C	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	10/09/07
07-6596-18B	091107-A4A	Water	9/11/07 1215	9/13/07	PH_DW	El 50.1 pH	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/12/07
07-6596-18B	091107-A4A	Water	9/11/07 1215	9/13/07	TDS_W	Total Dissolved Solids (TDS)	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/18/07
07-6596-18C	091107-A4A	Water	9/11/07 1215	9/13/07	6010_D *	6010: Dissolved Metals	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	3/09/08
07-6596-18D	091107-A4A	Water	9/11/07 1215	9/13/07	ANIONS_W *	300.0: Anions by IC	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/13/07
07-6596-18E	091107-A4A	Water	9/11/07 1215	9/13/07	MEEP_W *	RSK175M: Methane	<input type="checkbox"/>	<input type="checkbox"/>	9/27/07	9/18/07

Definitions:

\* - Test Code has a Select List

## Page Of

Other Turnaround\* \_\_\_\_\_ (Specify) \*Rush analysis subject to additional fee

--	--

1. *Journal of the American Medical Association*, 1997; 277: 1001-1005.



By \_\_\_\_\_

**Evergreen Analytical, Inc.**

**Date:** 28-Sep-07

**Client Project ID:** 5369

**Lab Order:** 07-6596

## **CASE NARRATIVE**

### **SAMPLE RECEIVING**

Custody seals were present and intact.

The temperature of the sample(s) upon arrival was 1.7 °C.

Sample(s) were received in good condition, in the proper container, and within holding times, except samples 07-6596-11 through -18 were received out of holding time for pH.

VOC samples were not preserved.

VOC sample(s) were received with no headspace present. JD

### **QUALITY ASSURANCE**

Analyses performed on samples in this work order meet the requirements of the EAL Quality Assurance Program unless otherwise explained. Analyses of RCRA samples meet the requirements of NELAC and Utah Rule R444-14 unless otherwise explained. CMS

### **CLIENT SERVICES**

There are no anomalies to report. AMU

### **GENERAL CHEMISTRY**

pH samples 07-6596-01 through -05 were analyzed out of holding time (H) due to problems with the pH probe. Samples 07-6596-11 through -18 were received (and analyzed) out of holding time. MM The Conductance/ pH/ TDS bottle for 07-6596-18 (client ID 91107-AAA) was not representative of that sample set. The sample appeared to be labelled correctly, but results did not agree with the metals bottle and did not match the results on the anion sample. The anion sample showed a Conductance of 1070 umhos and a TDS of 759 mg/L, which agrees with the metals results.

There are no other anomalies to report. CMS

### **METALS ANALYSIS**

There are no anomalies to report. WKH

### **GAS CHROMATOGRAPHY**

Method 8021\_W/Mtbe: There are no anomalies to report. HJ

Method MEEP\_W: There are no anomalies to report. MS

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: 091207-MW6

Client Project ID: 5369

Date Collected: 9/12/07 0830

Date Received: 9/13/07

Lab Work Order: 07-6596

Lab Sample ID: 07-6596-01

Sample Matrix: Water

### Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
120	0.40	1	mg/L

Sodium

### Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

Methyl-t-butyl ether

o-Xylene

Toluene

### Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
10.5	0.50	1	mg/L

Chloride

### Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JLJ

Result	LQL	DF	Units
893	1.00	1	µmhos/cm

Specific Conductance

### RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
U	0.00080	1	mg/L

Methane

### E150.1 pH

Method: E150.1

Analyst: JLJ

Result	LQL	DF	Units
6.96 H	1.00	1	pH Units

pH

### Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
619	10.0	1	mg/L

Total Dissolved Solids

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value. Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/27/07

# SUMMARY OF SAMPLE RESULTS

**Evergreen Analytical, Inc.**

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW7  
Client Project ID: 5369  
Date Collected: 9/12/07 0900  
Date Received: 9/13/07

Lab Work Order: 07-6596  
Lab Sample ID: 07-6596-02  
Sample Matrix: Water

## Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
--------	-----	----	-------

Sodium	140	0.40	1	mg/L
--------	-----	------	---	------

## Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
--------	-----	----	-------

Benzene	U	1.0	1	µg/L
Ethylbenzene	U	2.0	1	µg/L
m,p-Xylene	U	2.0	1	µg/L
Methyl-t-butyl ether	U	4.0	1	µg/L
o-Xylene	U	2.0	1	µg/L
Toluene	U	2.0	1	µg/L

## Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
--------	-----	----	-------

Chloride	23.6	0.50	1	mg/L
----------	------	------	---	------

## Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JLJ

Result	LQL	DF	Units
--------	-----	----	-------

Specific Conductance	940	1.00	1	µmhos/cm
----------------------	-----	------	---	----------

## RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
--------	-----	----	-------

Methane	U	0.00080	1	mg/L
---------	---	---------	---	------

## E150.1 pH

Method: E150.1

Analyst: JLJ

Result	LQL	DF	Units
--------	-----	----	-------

pH	7.16 H	1.00	1	pH Units
----	--------	------	---	----------

## Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
--------	-----	----	-------

Total Dissolved Solids	650	10.0	1	mg/L
------------------------	-----	------	---	------

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/27/07

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW8  
Client Project ID: 5369  
Date Collected: 9/12/07 0930  
Date Received: 9/13/07

Lab Work Order: 07-6596  
Lab Sample ID: 07-6596-03  
Sample Matrix: Water

### Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
180	0.40	1	mg/L

Sodium

### Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

Methyl-t-butyl ether

o-Xylene

Toluene

### Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
35.1	0.50	1	mg/L

Chloride

### Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JJJ

Result	LQL	DF	Units
1030	1.00	1	µmhos/cm

Specific Conductance

### RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
U	0.00080	1	mg/L

Methane

### E150.1 pH

Method: E150.1

Analyst: JJJ

Result	LQL	DF	Units
7.34 H	1.00	1	pH Units

pH

### Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
711	10.0	1	mg/L

Total Dissolved Solids

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/27/07



# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: 091207-MW16

Client Project ID: 5369

Date Collected: 9/12/07 1030

Date Received: 9/13/07

Lab Work Order: 07-6596

Lab Sample ID: 07-6596-04

Sample Matrix: Water

### Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
250	0.40	1	mg/L

Sodium

### Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

Methyl-t-butyl ether

o-Xylene

Toluene

### Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
43.4	0.50	1	mg/L

Chloride

### Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JJJ

Result	LQL	DF	Units
947	1.00	1	µmhos/cm

Specific Conductance

### RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
0.80	0.0080	10	mg/L

Methane

### E150.1 pH

Method: E150.1

Analyst: JJJ

Result	LQL	DF	Units
8.07 H	1.00	1	pH Units

pH

### Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
628	10.0	1	mg/L

Total Dissolved Solids

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value. Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: NA - Not Applicable

Print Date: 9/27/07

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: 091207-MW17

Client Project ID: 5369

Date Collected: 9/12/07 1000

Date Received: 9/13/07

Lab Work Order: 07-6596

Lab Sample ID: 07-6596-05

Sample Matrix: Water

### Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
240	0.40	1	mg/L

Sodium

### Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
30	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

Methyl-t-butyl ether

o-Xylene

Toluene

### Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
44.0	0.50	1	mg/L

Chloride

### Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JLJ

Result	LQL	DF	Units
1080	1.00	1	µmhos/cm

Specific Conductance

### RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
2.0	0.0080	10	mg/L

Methane

### E150.1 pH

Method: E150.1

Analyst: JLJ

Result	LQL	DF	Units
7.51 H	1.00	1	pH Units

pH

### Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
760	10.0	1	mg/L

Total Dissolved Solids

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/27/07

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: 091207-MW2  
Client Project ID: 5369  
Date Collected: 9/12/07 1100  
Date Received: 9/13/07

Lab Work Order: 07-6596  
Lab Sample ID: 07-6596-06  
Sample Matrix: Water

### Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
150	0.40	1	mg/L

### Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
260	1.0	1	µg/L
8.1	2.0	1	µg/L
45	2.0	1	µg/L
U	4.0	1	µg/L
6.2	2.0	1	µg/L
U	2.0	1	µg/L

### Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
44.8	0.50	1	mg/L

### Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JLJ

Result	LQL	DF	Units
753	1.00	1	µmhos/cm

### RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
3.5	0.040	50	mg/L

### E150.1 pH

Method: E150.1

Analyst: JLJ

Result	LQL	DF	Units
7.50	1.00	1	pH Units

### Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
487	10.0	1	mg/L

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/27/07

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: 091207-MW25

Client Project ID: 5369

Date Collected: 9/12/07 1230

Date Received: 9/13/07

Lab Work Order: 07-6596

Lab Sample ID: 07-6596-07

Sample Matrix: Water

### Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
39	0.40	1	mg/L

Sodium

### Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

Methyl-t-butyl ether

o-Xylene

Toluene

### Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
26.7	0.50	1	mg/L

Chloride

### Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JJJ

Result	LQL	DF	Units
633	1.00	1	µmhos/cm

Specific Conductance

### RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
0.0023	0.00080	1	mg/L

Methane

### E150.1 pH

Method: E150.1

Analyst: JJJ

Result	LQL	DF	Units
7.30	1.00	1	pH Units

pH

### Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
429	10.0	1	mg/L

Total Dissolved Solids

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: NA - Not Applicable

Print Date: 9/27/07

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW11  
Client Project ID: 5369  
Date Collected: 9/12/07 1300  
Date Received: 9/13/07

Lab Work Order: 07-6596  
Lab Sample ID: 07-6596-08  
Sample Matrix: Water

**Dissolved Metals** Method: SW6010B Analyst: SS

Result LQL DF Units

Sodium 36 0.40 1 mg/L

**Aromatic Volatile Organics** Method: SW8021B Analyst: HJ

Result LQL DF Units

Benzene U 1.0 1 µg/L

Ethylbenzene U 2.0 1 µg/L

m,p-Xylene U 2.0 1 µg/L

Methyl-t-butyl ether U 4.0 1 µg/L

o-Xylene U 2.0 1 µg/L

Toluene U 2.0 1 µg/L

**Anions by IC** Method: E300.0 Analyst: JL

Result LQL DF Units

Chloride 20.3 0.50 1 mg/L

**Specific Conductance @ 25°C** Method: SM2510 B Analyst: JLJ

Result LQL DF Units

Specific Conductance 575 1.00 1 µmhos/cm

**RSKSOP-175M Headspace** Method: RSKSOP175M Analyst: MSZ

Result LQL DF Units

Methane 0.028 0.00080 1 mg/L

**E150.1 pH** Method: E150.1 Analyst: JLJ

Result LQL DF Units

pH 7.22 1.00 1 pH Units

**Total Dissolved Solids (TDS)** Method: SM 2540C Analyst: JD

Result LQL DF Units

Total Dissolved Solids 391 10.0 1 mg/L

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: NA - Not Applicable

Print Date: 9/27/07

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: 091207-MW12

Client Project ID: 5369

Date Collected: 9/12/07 1200

Date Received: 9/13/07

Lab Work Order: 07-6596

Lab Sample ID: 07-6596-09

Sample Matrix: Water

### Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
110	0.40	1	mg/L

Sodium

### Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
5.4	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

Methyl-t-butyl ether

o-Xylene

Toluene

### Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
20.4	0.50	1	mg/L

Chloride

### Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JJJ

Result	LQL	DF	Units
762	1.00	1	µmhos/cm

Specific Conductance

### RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
3.7	0.016	20	mg/L

Methane

### E150.1 pH

Method: E150.1

Analyst: JJJ

Result	LQL	DF	Units
7.37	1.00	1	pH Units

pH

### Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
518	10.0	1	mg/L

Total Dissolved Solids

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value. Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/27/07

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: 091207-MW13

Client Project ID: 5369

Date Collected: 9/12/07 1130

Date Received: 9/13/07

Lab Work Order: 07-6596

Lab Sample ID: 07-6596-10

Sample Matrix: Water

### Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
84	0.40	1	mg/L

Sodium

### Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

Methyl-t-butyl ether

o-Xylene

Toluene

### Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
4.3	0.50	1	mg/L

Chloride

### Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JJJ

Result	LQL	DF	Units
962	1.00	1	µmhos/cm

Specific Conductance

### RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
0.43	0.0040	5	mg/L

Methane

### E150.1 pH

Method: E150.1

Analyst: JJJ

Result	LQL	DF	Units
7.20	1.00	1	pH Units

pH

### Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
626	10.0	1	mg/L

Total Dissolved Solids

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value. Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/27/07

## SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: 091107-MW21

Client Project ID: 5369

Date Collected: 9/11/07 0930

Date Received: 9/13/07

Lab Work Order: 07-6596

Lab Sample ID: 07-6596-11

Sample Matrix: Water

## Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
290	0.40	1	mg/L

Sodium

## Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

Methyl-t-butyl ether

o-Xylene

Toluene

## Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
18.5	0.50	1	mg/L

Chloride

## Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JJJ

Result	LQL	DF	Units
1290	1.00	1	µmhos/cm

Specific Conductance

## RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
0.0012	0.00080	1	mg/L

Methane

## E150.1 pH

Method: E150.1

Analyst: JJJ

Result	LQL	DF	Units
7.45 H	1.00	1	pH Units

pH

## Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
864	10.0	1	mg/L

Total Dissolved Solids

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result

E - Extrapolated value. Value exceeds calibration range

H - Sample analysis exceeded analytical holding time

J - Indicates an estimated value when the compound is detected, but is below the LQL

U - Compound analyzed for but not detected

X - See case narrative

\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: NA - Not Applicable

Print Date: 9/27/07



# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: 091107-MW20

Client Project ID: 5369

Date Collected: 9/11/07 1000

Date Received: 9/13/07

Lab Work Order: 07-6596

Lab Sample ID: 07-6596-12

Sample Matrix: Water

### Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
120	0.40	1	mg/L

Sodium

### Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

Methyl-t-butyl ether

o-Xylene

Toluene

### Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
14.6	0.50	1	mg/L

Chloride

### Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JJJ

Result	LQL	DF	Units
865	1.00	1	µmhos/cm

Specific Conductance

### RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
U	0.00080	1	mg/L

Methane

### E150.1 pH

Method: E150.1

Analyst: JJJ

Result	LQL	DF	Units
7.22 H	1.00	1	pH Units

pH

### Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
549	10.0	1	mg/L

Total Dissolved Solids

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value. Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: NA - Not Applicable

Print Date: 9/27/07

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: 091107-MW22

Client Project ID: 5369

Date Collected: 9/11/07 1000

Date Received: 9/13/07

Lab Work Order: 07-6596

Lab Sample ID: 07-6596-13

Sample Matrix: Water

### Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
130	0.40	1	mg/L

Sodium

### Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

Methyl-t-butyl ether

o-Xylene

Toluene

### Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
18.2	0.50	1	mg/L

Chloride

### Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JJJ

Result	LQL	DF	Units
880	1.00	1	µmhos/cm

Specific Conductance

### RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
U	0.00080	1	mg/L

Methane

### E150.1 pH

Method: E150.1

Analyst: JJJ

Result	LQL	DF	Units
7.08 H	1.00	1	pH Units

pH

### Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
568	10.0	1	mg/L

Total Dissolved Solids

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value. Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: NA - Not Applicable

Print Date: 9/27/07

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091107-MW18  
Client Project ID: 5369  
Date Collected: 9/11/07 1100  
Date Received: 9/13/07

Lab Work Order: 07-6596  
Lab Sample ID: 07-6596-14  
Sample Matrix: Water

**Dissolved Metals** Method: SW6010B Analyst: SS

Result	LQL	DF	Units
69	0.40	1	mg/L

Sodium

**Aromatic Volatile Organics** Method: SW8021B Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

Methyl-t-butyl ether

o-Xylene

Toluene

**Anions by IC** Method: E300.0 Analyst: JL

Result	LQL	DF	Units
5.8	0.50	1	mg/L

Chloride

**Specific Conductance @ 25°C** Method: SM2510 B Analyst: JLJ

Result	LQL	DF	Units
717	1.00	1	µmhos/cm

Specific Conductance

**RSKSOP-175M Headspace** Method: RSKSOP175M Analyst: MSZ

Result	LQL	DF	Units
U	0.00080	1	mg/L

Methane

**E150.1 pH** Method: E150.1 Analyst: JLJ

Result	LQL	DF	Units
7.30 H	1.00	1	pH Units

pH

**Total Dissolved Solids (TDS)** Method: SM 2540C Analyst: JD

Result	LQL	DF	Units
476	10.0	1	mg/L

Total Dissolved Solids

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/27/07

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091107-MW26  
Client Project ID: 5369  
Date Collected: 9/11/07 1130  
Date Received: 9/13/07

Lab Work Order: 07-6596  
Lab Sample ID: 07-6596-15  
Sample Matrix: Water

### Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
110	0.40	1	mg/L

Sodium

### Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

Methyl-t-butyl ether

o-Xylene

Toluene

### Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
7.5	0.50	1	mg/L

Chloride

### Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JLJ

Result	LQL	DF	Units
822	1.00	1	µmhos/cm

Specific Conductance

### RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
1.4	0.0080	10	mg/L

Methane

### E150.1 pH

Method: E150.1

Analyst: JLJ

Result	LQL	DF	Units
7.15 H	1.00	1	pH Units

pH

### Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
528	10.0	1	mg/L

Total Dissolved Solids

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/27/07

# SUMMARY OF SAMPLE RESULTS

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: 091107-MW15

Client Project ID: 5369

Date Collected: 9/11/07 1200

Date Received: 9/13/07

Lab Work Order: 07-6596

Lab Sample ID: 07-6596-16

Sample Matrix: Water

## Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
52	0.40	1	mg/L

Sodium

## Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

Methyl-t-butyl ether

o-Xylene

Toluene

## Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
5.5	0.50	1	mg/L

Chloride

## Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JLJ

Result	LQL	DF	Units
661	1.00	1	µmhos/cm

Specific Conductance

## RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
U	0.00080	1	mg/L

Methane

## E150.1 pH

Method: E150.1

Analyst: JLJ

Result	LQL	DF	Units
7.49 H	1.00	1	pH Units

pH

## Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
434	10.0	1	mg/L

Total Dissolved Solids

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/27/07

# SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: 091107-MW1

Client Project ID: 5369

Date Collected: 9/11/07 1230

Date Received: 9/13/07

Lab Work Order: 07-6596

Lab Sample ID: 07-6596-17

Sample Matrix: Water

### Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
220	0.40	1	mg/L

Sodium

### Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

Methyl-t-butyl ether

o-Xylene

Toluene

### Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
22.9	0.50	1	mg/L

Chloride

### Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JLJ

Result	LQL	DF	Units
1140	1.00	1	µmhos/cm

Specific Conductance

### RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
0.0010	0.00080	1	mg/L

Methane

### E150.1 pH

Method: E150.1

Analyst: JLJ

Result	LQL	DF	Units
7.36 H	1.00	1	pH Units

pH

### Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
759	10.0	1	mg/L

Total Dissolved Solids

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value. Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** NA - Not Applicable

Print Date: 9/27/07

## SUMMARY OF SAMPLE RESULTS

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Client Sample ID: 091107-AAA

Client Project ID: 5369

Date Collected: 9/11/07 1215

Date Received: 9/13/07

Lab Work Order: 07-6596

Lab Sample ID: 07-6596-18

Sample Matrix: Water

## Dissolved Metals

Method: SW6010B

Analyst: SS

Result	LQL	DF	Units
220	0.40	1	mg/L

Sodium

## Aromatic Volatile Organics

Method: SW8021B

Analyst: HJ

Result	LQL	DF	Units
U	1.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L
U	4.0	1	µg/L
U	2.0	1	µg/L
U	2.0	1	µg/L

Benzene

Ethylbenzene

m,p-Xylene

Methyl-t-butyl ether

o-Xylene

Toluene

## Anions by IC

Method: E300.0

Analyst: JL

Result	LQL	DF	Units
23.3	0.50	1	mg/L

Chloride

## Specific Conductance @ 25°C

Method: SM2510 B

Analyst: JJJ

Result	LQL	DF	Units
577 *	1.00	1	µmhos/cm

Specific Conductance

## RSKSOP-175M Headspace

Method: RSKSOP175M

Analyst: MSZ

Result	LQL	DF	Units
U	0.00080	1	mg/L

Methane

## E150.1 pH

Method: E150.1

Analyst: JJJ

Result	LQL	DF	Units
7.87 H *	1.00	1	pH Units

pH

## Total Dissolved Solids (TDS)

Method: SM 2540C

Analyst: JD

Result	LQL	DF	Units
550 *	10.0	1	mg/L

Total Dissolved Solids

\* SAMPLE BOTTLE IS NON-REPRESENTATIVE. ANION SAMPLE = 1070 SE; 759 TDS

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result

Definitions: NA - Not Applicable

E - Extrapolated value. Value exceeds calibration range

H - Sample analysis exceeded analytical holding time

J - Indicates an estimated value when the compound is detected, but is below the LQL

U - Compound analyzed for but not detected

X - See case narrative

\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Print Date: 9/27/07

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW6  
Client Project ID: 5369  
Date Collected: 9/12/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-01A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07


Lab File ID: TVB20913\009R

Dilution Factor: 1

Date Analyzed: 9/13/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	86	QC Limits: 60-140	%REC

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Approved

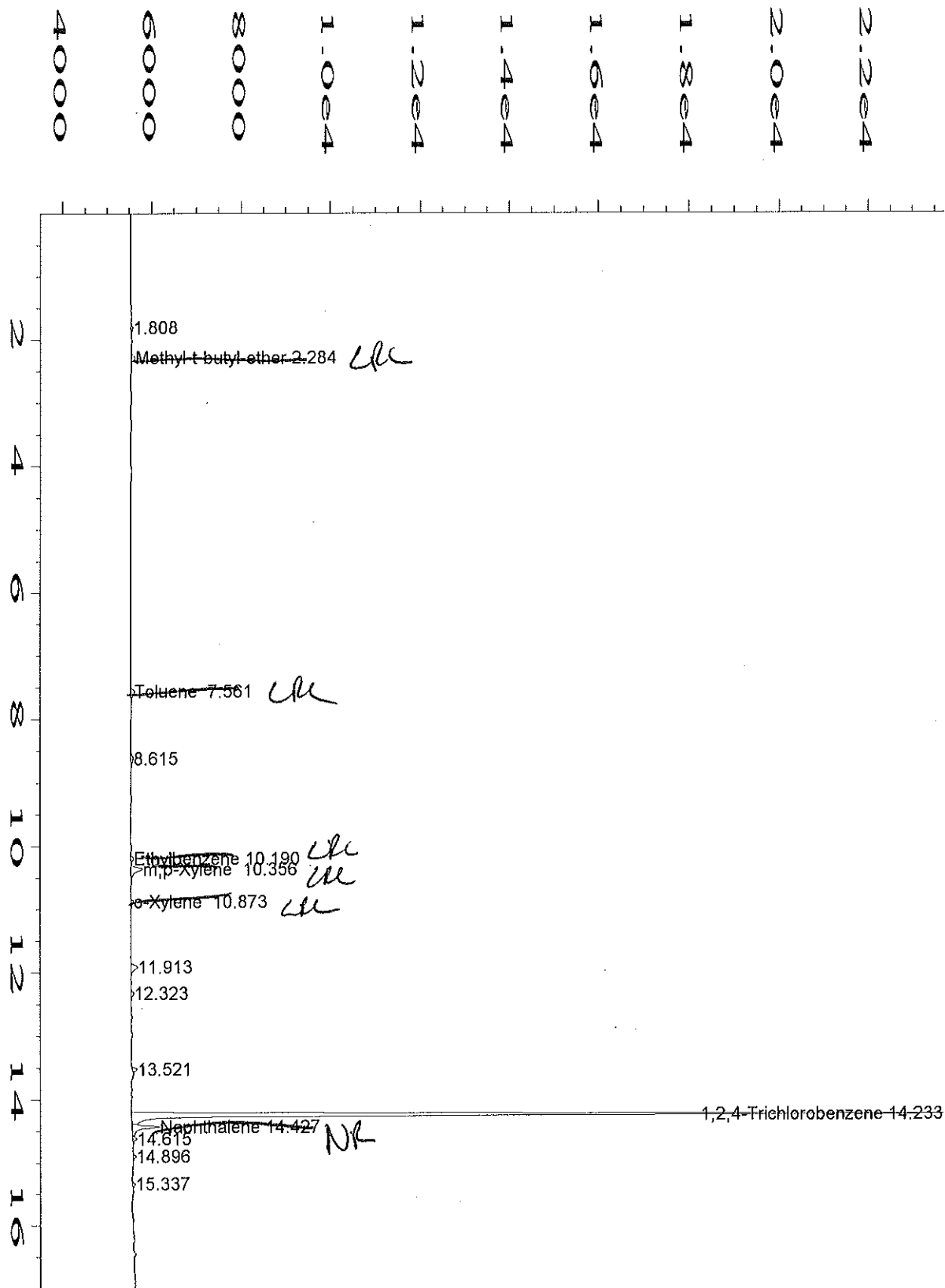
Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07





Data File Name : C:\HPCHEM\2\DATA\TVB20913\009R0101.D  
 Operator : halej jones  
 Instrument : TVHBTX2  
 Sample Name : 07-6596-01A  
 Run Time Bar Code :  
 Acquired on : 13 Sep 07 02:18 PM  
 Report Created on : 13 Sep 07 02:35 PM  
 Last Recalib on : 10 SEP 07 10:26 AM  
 Multiplier : 1  
 Sample Info : SAMP  
 DF=1

Page Number : 1  
 Vial Number : 9  
 Injection Number : 1  
 Sequence Line : 1  
 Instrument Method: TW20202A.MTH  
 Analysis Method : BW20907.MTH  
 Sample Amount : 0  
 ISTD Amount :

030

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW7  
Client Project ID: 5369  
Date Collected: 9/12/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-02A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

**Method: SW8021B**

**Prep Method: SW5030B**

Date Prepared: 9/13/07

Lab File ID: TVB20913\006R

Dilution Factor: 1

Date Analyzed: 9/13/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	88	QC Limits: 60-140	%REC



Analyst



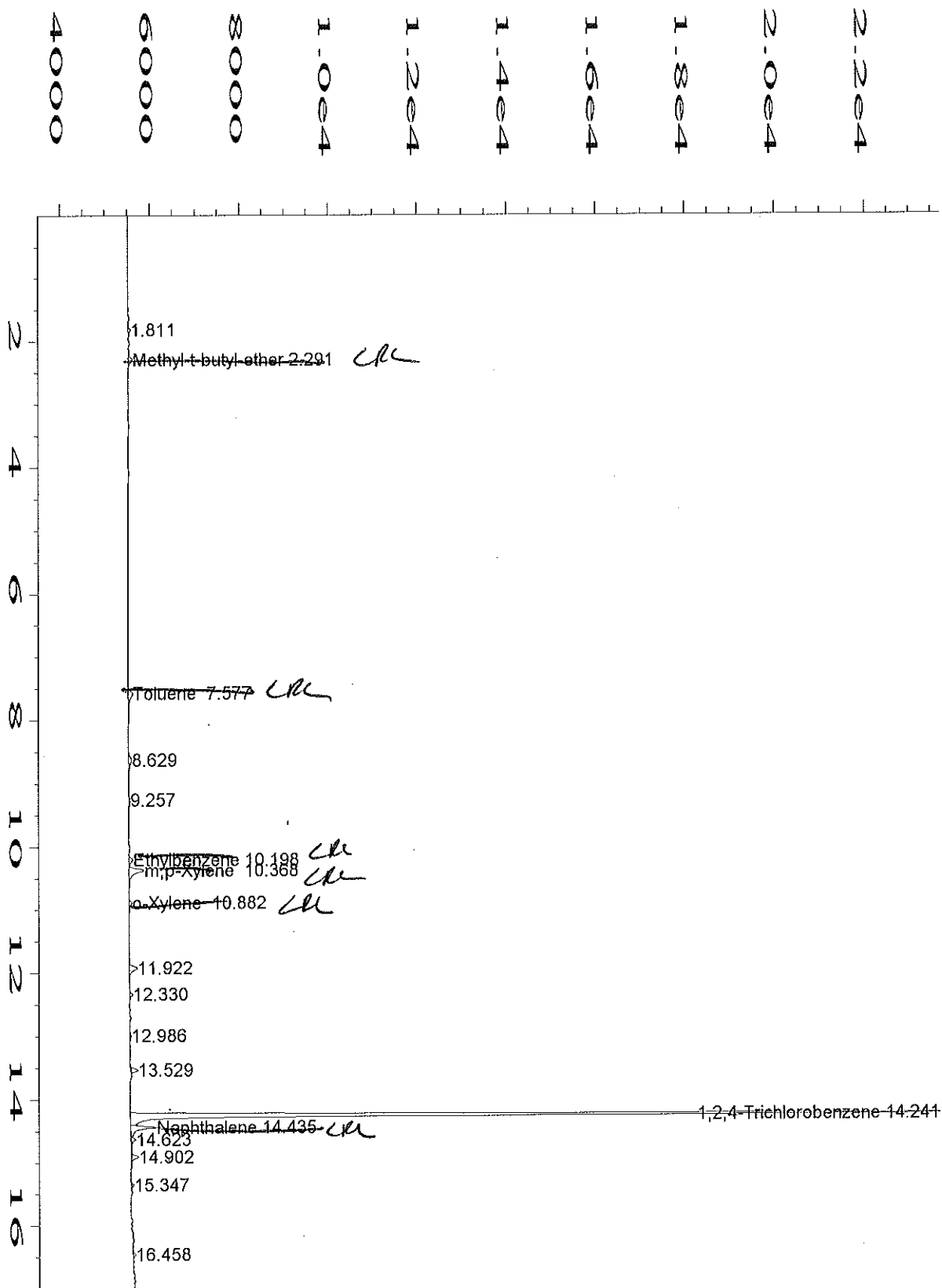
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07



Data File Name : C:\HPCHEM\2\DATA\TVB20913\006R0101.D  
 Operator : halej jones  
 Instrument : TVHBTEX2  
 Sample Name : 07-6596-02A  
 Run Time Bar Code:  
 Acquired on : 13 Sep 07 12:33 PM  
 Report Created on: 13 Sep 07 12:50 PM  
 Last Recalib on : 10 SEP 07 10:26 AM  
 Multiplier : 1  
 Sample Info : SAMP  
 DF=1

Page Number : 1  
 Vial Number : 6  
 Injection Number : 1  
 Sequence Line : 1  
 Instrument Method: TW20202A.MTH  
 Analysis Method : BW20907.MTH  
 Sample Amount : 0  
 ISTD Amount :

# Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW8  
Client Project ID: 5369  
Date Collected: 9/12/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-03A  
Sample Matrix: Water

## AROMATIC VOLATILE ORGANICS

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07

Lab File ID: TVB20913\010R

Dilution Factor: 1

Date Analyzed: 9/13/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	87	QC Limits: 60-140	%REC

Analyst

Approved

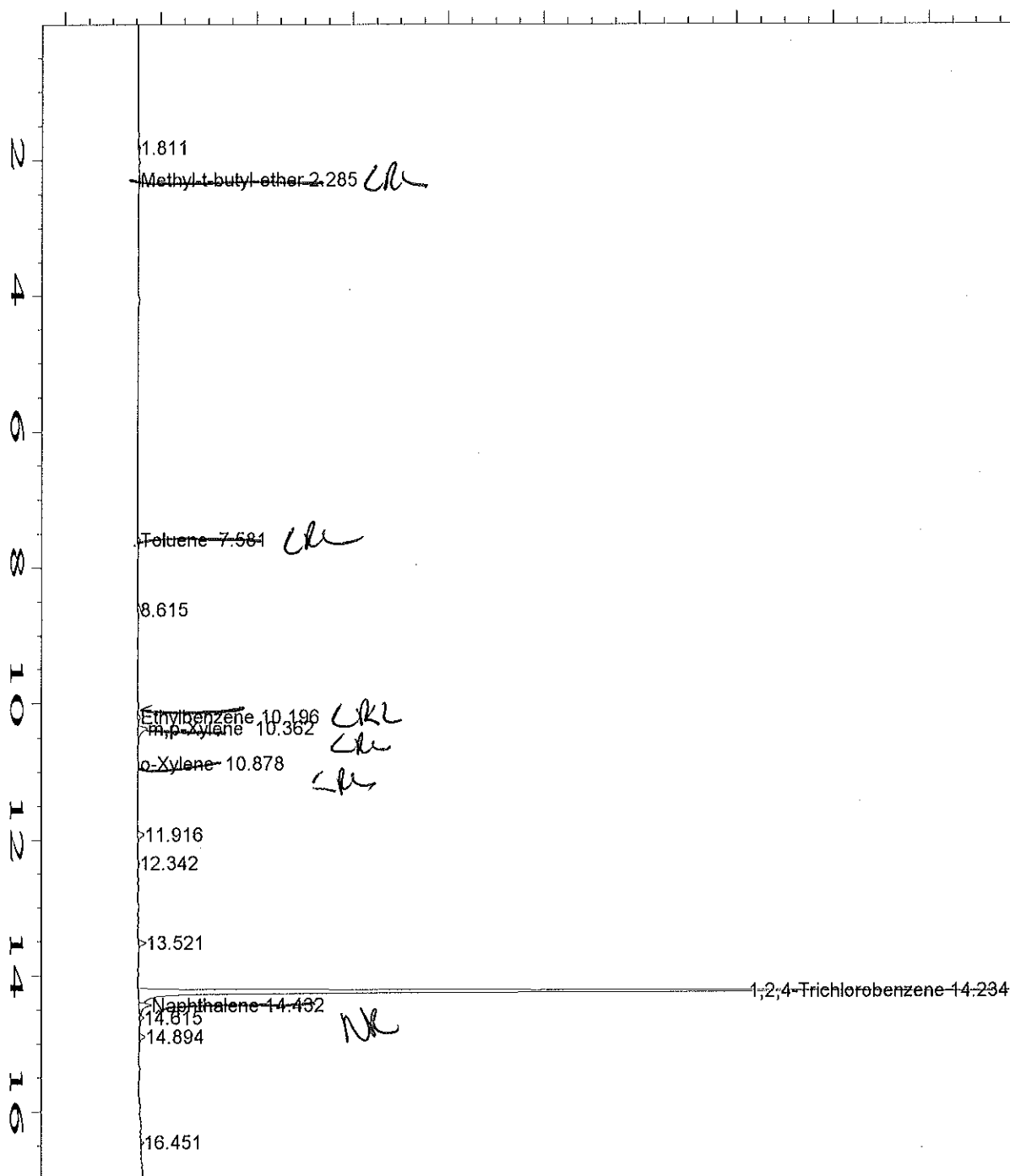
Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07

4000  
6000  
8000  
1.0e4  
1.2e4  
1.4e4  
1.6e4  
1.8e4  
2.0e4  
2.2e4



9/16/07

Data File Name	: C:\HPCHEM\2\DATA\TVB20913\010R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 10
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6596-03A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method:	TW20202A.MTH
Acquired on	: 13 Sep 07 02:53 PM	Analysis Method	: BW20907.MTH
Report Created on:	13 Sep 07 03:10 PM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
DF=1			

**Evergreen Analytical, Inc.**  
 4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
 (303) 425-6021

Client Sample ID: 091207-MW16	Lab Work Order: 07-6596
Client Project ID: 5369	Lab Sample ID: 07-6596-04A
Date Collected: 9/12/07	Sample Matrix: Water
Date Received: 9/13/07	

**AROMATIC VOLATILE ORGANICS**

**Method: SW8021B**

**Prep Method: SW5030B**

Date Prepared: 9/13/07	Lab File ID: TVB20913\011R	Dilution Factor: 1
Date Analyzed: 9/13/07	Method Blank: MB2091307	

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	87	QC Limits: 60-140	%REC



**Analyst**



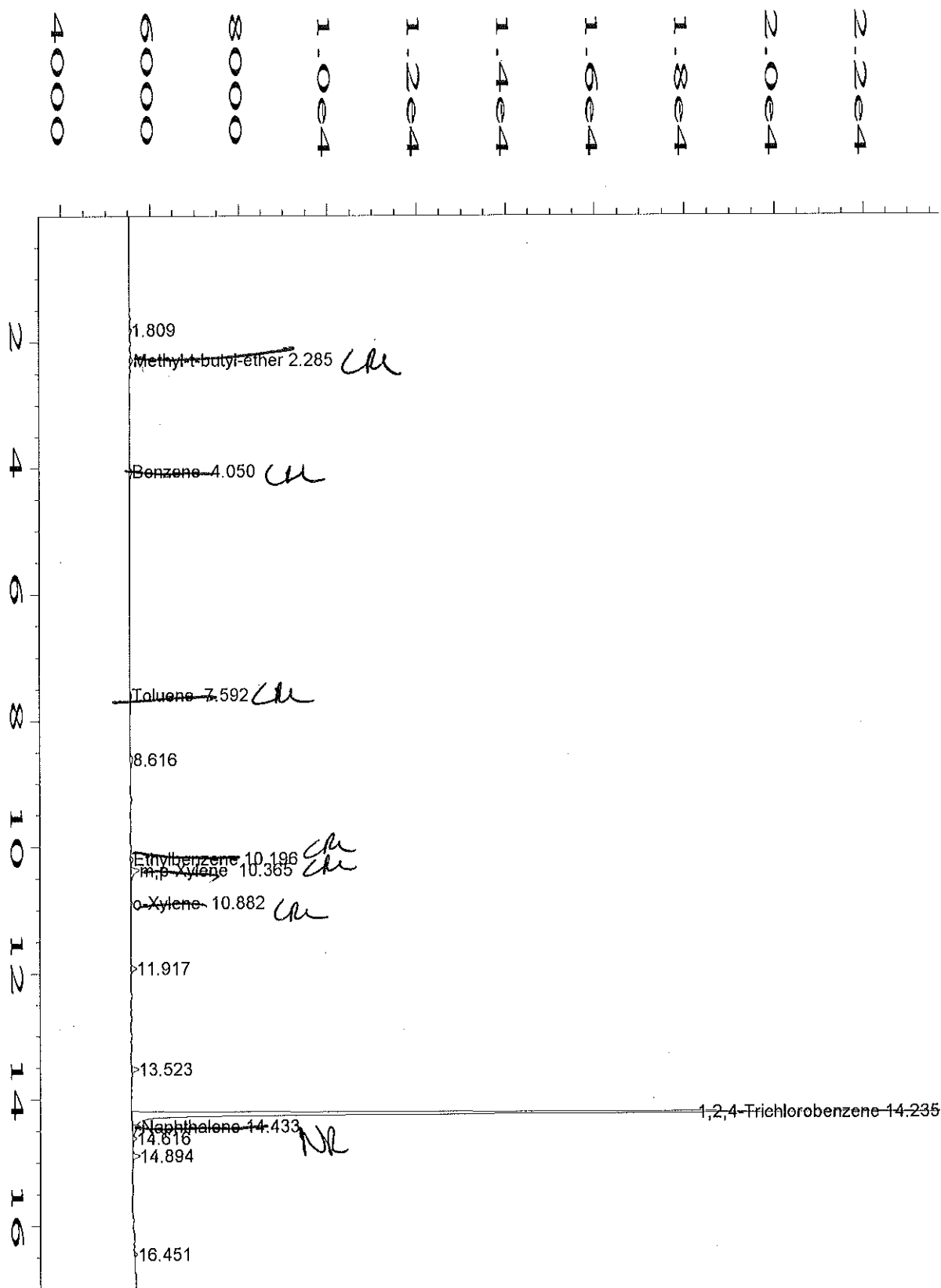
**Approved**

**Notes:** Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
 E - Extrapolated value. Value exceeds calibration range  
 H - Sample analysis exceeded analytical holding time  
 J - Indicates an estimated value when the compound is detected, but is below the LQL  
 S - Spike Recovery outside accepted limits  
 U - Compound analyzed for but not detected  
 X - See case narrative  
 \* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** LQL - Lower Quantitation Limit  
 Surr - Surrogate

Print Date: 9/17/07



Data File Name	: C:\HPCHEM\2\DATA\TVB20913\011R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 11
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6596-04A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method:	TW20202A.MTH
Acquired on	: 13 Sep 07 03:28 PM	Analysis Method	: BW20907.MTH
Report Created on:	13 Sep 07 03:45 PM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
	DF=1		

05  
04  
07

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW17	Lab Work Order: 07-6596
Client Project ID: 5369	Lab Sample ID: 07-6596-05A
Date Collected: 9/12/07	Sample Matrix: Water
Date Received: 9/13/07	

**AROMATIC VOLATILE ORGANICS**

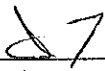
**Method: SW8021B**

**Prep Method: SW5030B**

Date Prepared: 9/13/07	Lab File ID: TVB20913\012R	Dilution Factor: 1
Date Analyzed: 9/13/07	Method Blank: MB2091307	

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	30	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	87	QC Limits: 60-140	%REC

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Approved

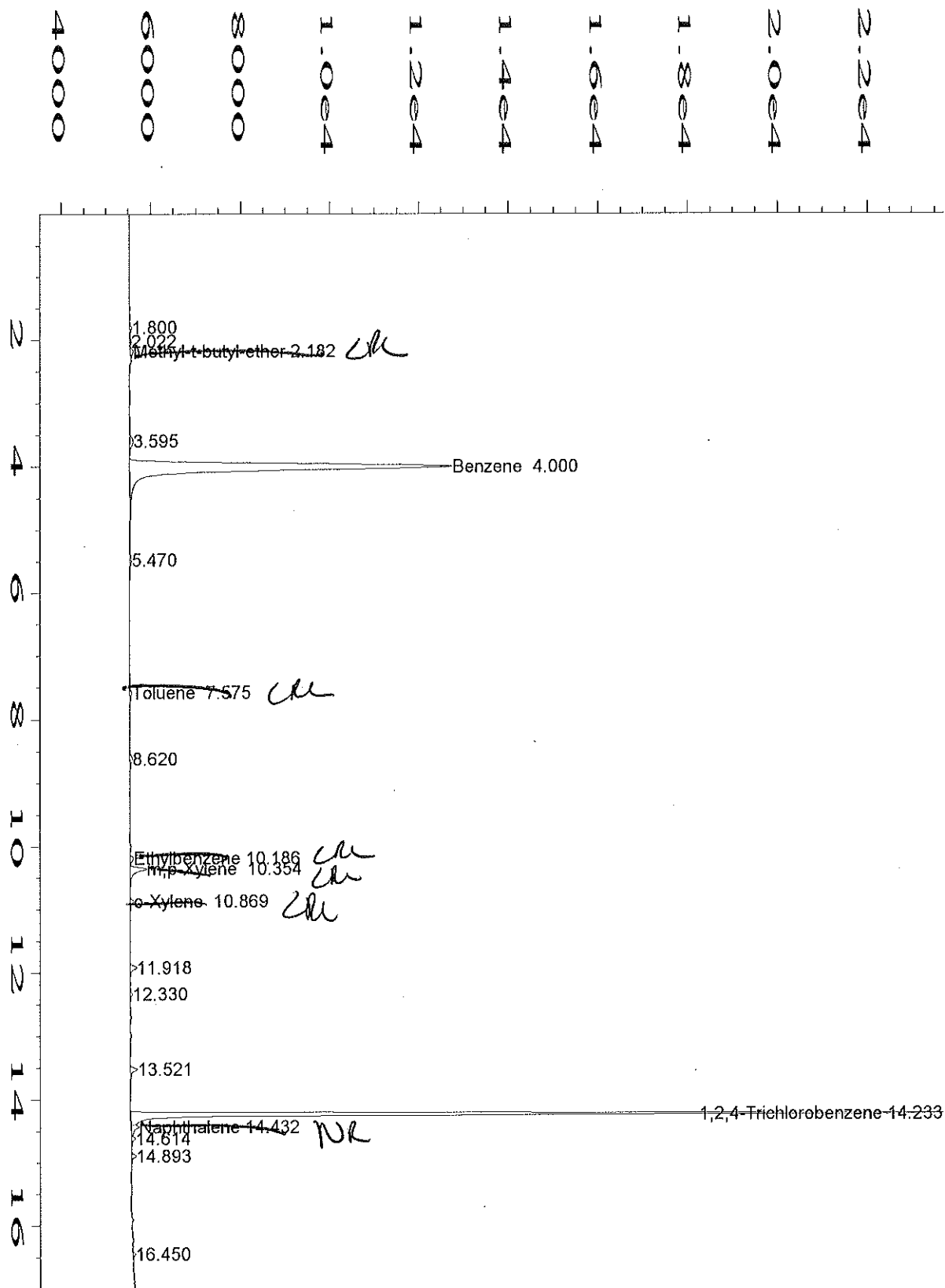
**Notes:** Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07





Data File Name	: C:\HPCHEM\2\DATA\TVB20913\012R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 12
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6596-05A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method	: TW20202A.MTH
Acquired on	: 13 Sep 07 04:03 PM	Analysis Method	: BW20907.MTH
Report Created on:	: 13 Sep 07 04:21 PM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
DF=1			

00  
01  
00

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW2  
Client Project ID: 5369  
Date Collected: 9/12/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-06A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07

Lab File ID: TVB20913\013R

Dilution Factor: 1

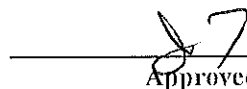
Date Analyzed: 9/13/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	260	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	8.1	2.0	µg/L
m,p-Xylene	1330-20-7	45	2.0	µg/L
o-Xylene	95-47-6	6.2	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	88	QC Limits: 60-140	%REC



Analyst

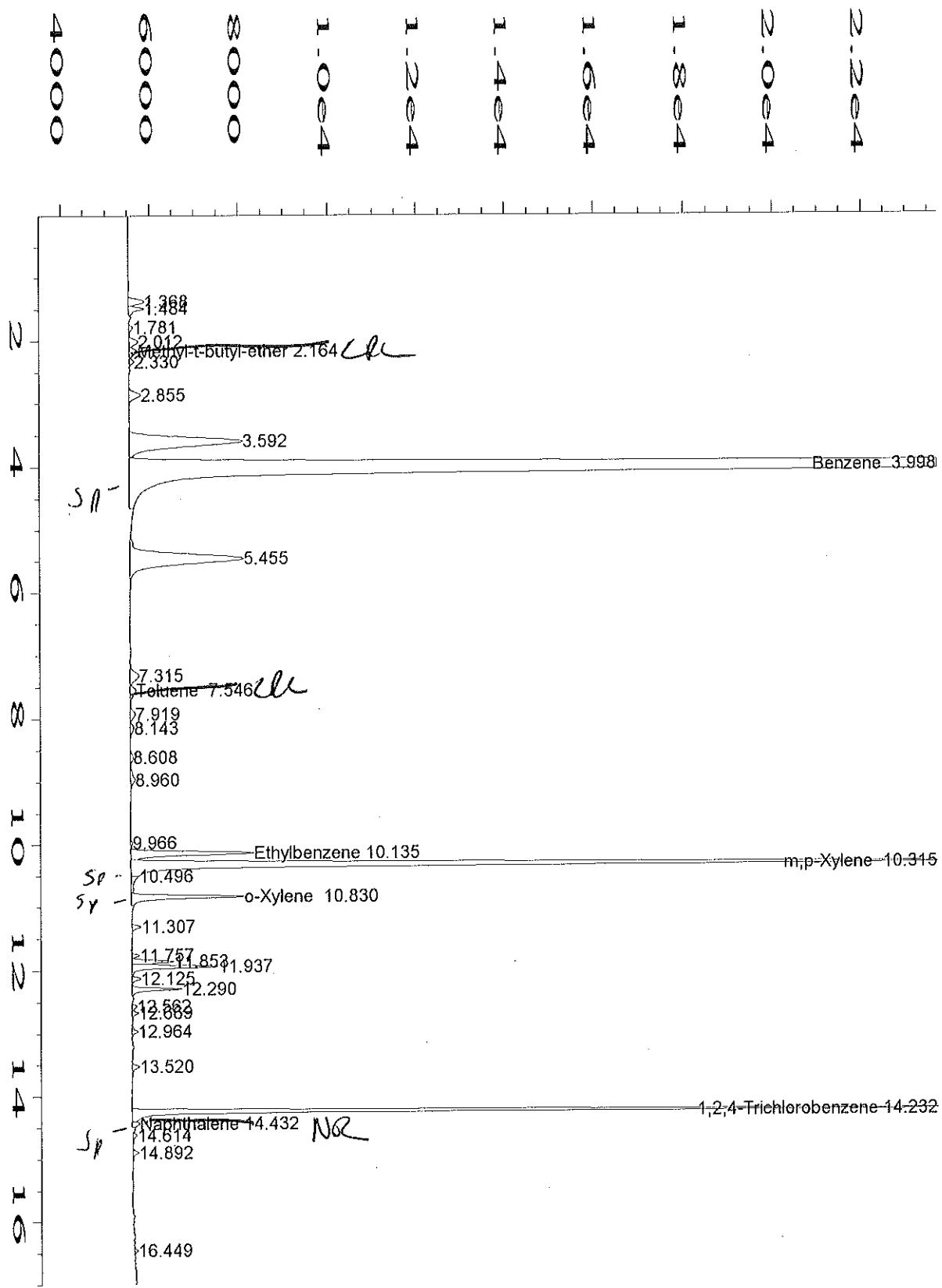
  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07



Data File Name	: C:\HPCHEM\2\DATA\TVB20913\013R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 13
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6596-06A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method:	TW20202A.MTH
Acquired on	: 13 Sep 07 04:38 PM	Analysis Method	: BW20907.MTH
Report Created on:	16 Sep 07 09:57 AM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		

05  
43  
05

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW25  
Client Project ID: 5369  
Date Collected: 9/12/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-07A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

**Method: SW8021B**

**Prep Method: SW5030B**

Date Prepared: 9/13/07

Lab File ID: TVB20913\015R

Dilution Factor: 1

Date Analyzed: 9/13/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC



Analyst



Approved

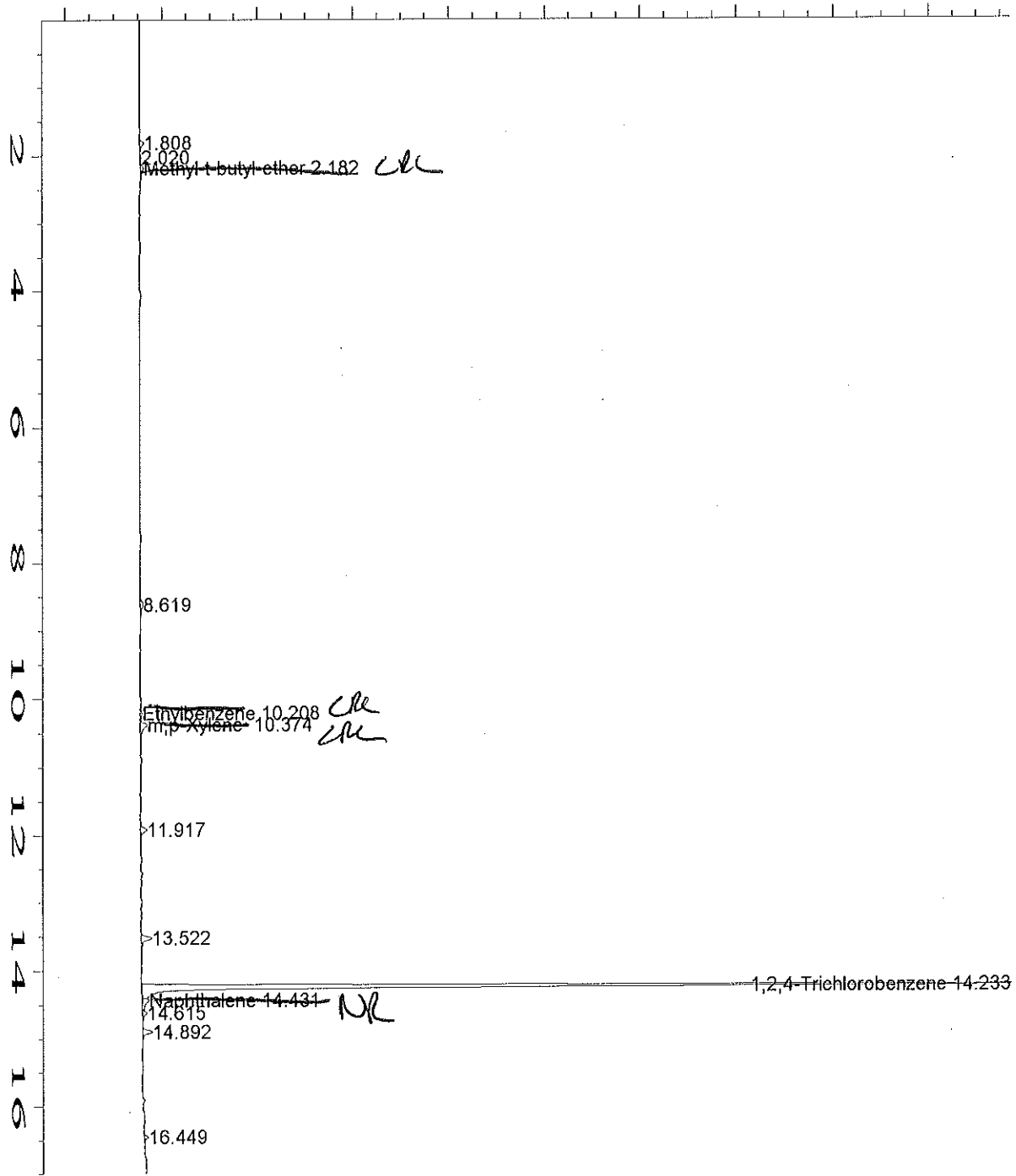
Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07

2.2e4  
2.0e4  
1.8e4  
1.6e4  
1.4e4  
1.2e4  
1.0e4  
8000  
6000  
4000



9/16/07

Data File Name	: C:\HPCHEM\2\DATA\TVB20913\015R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 15
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6596-07A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method:	TW20202A.MTH
Acquired on	: 13 Sep 07 05:48 PM	Analysis Method	: BW20907.MTH
Report Created on:	13 Sep 07 06:06 PM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
	DF=1		

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW11  
Client Project ID: 5369  
Date Collected: 9/12/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-08A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07  
Date Analyzed: 9/13/07

Lab File ID: TVB20913\016R  
Method Blank: MB2091307

Dilution Factor: 1

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	87	QC Limits: 60-140	%REC



Analyst



Approved

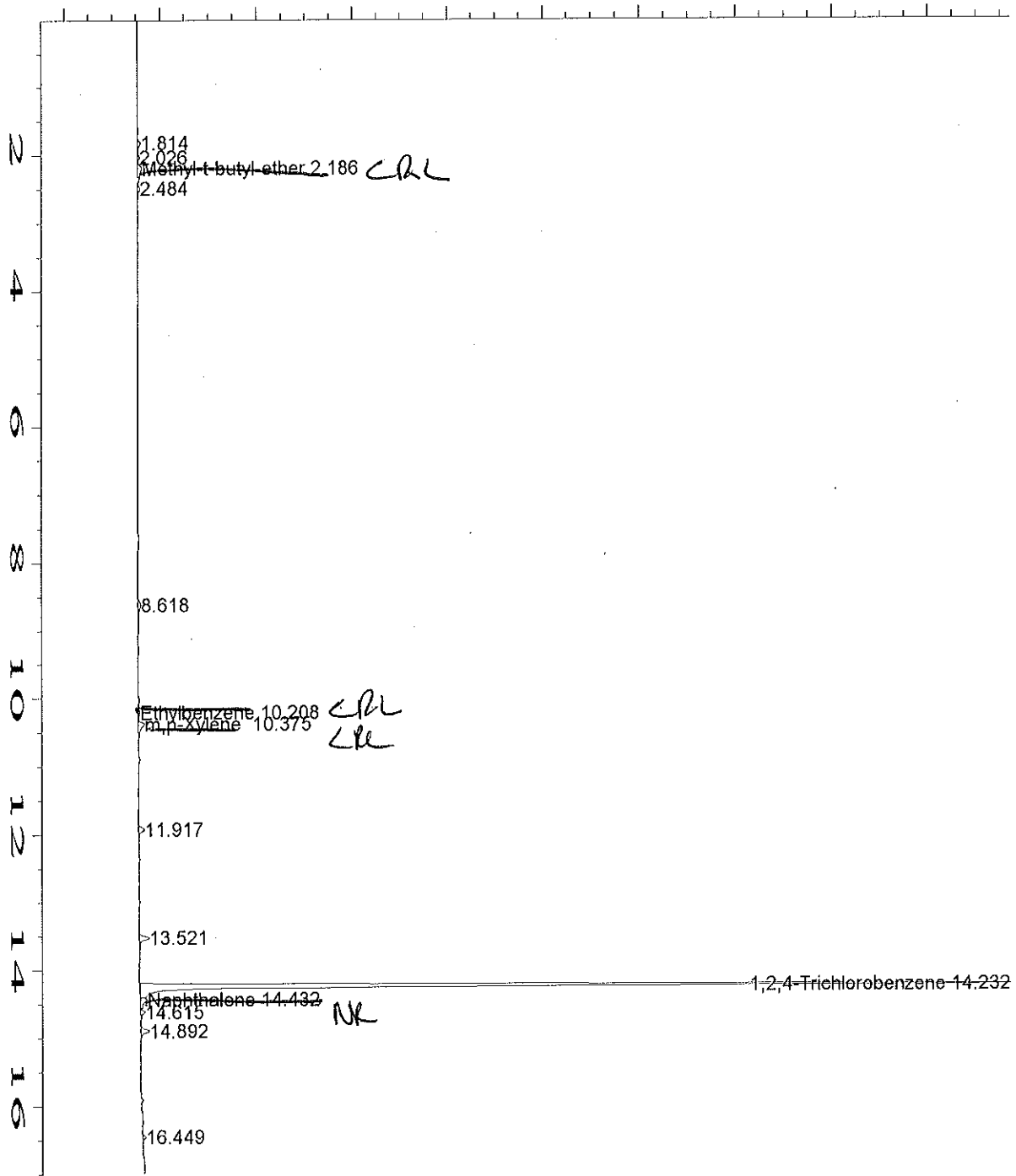
Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07

2.2e4  
2.0e4  
1.8e4  
1.6e4  
1.4e4  
1.2e4  
1.0e4  
8000  
6000  
4000



9/14/07

Data File Name	: C:\HPCHEM\2\DATA\TVB20913\016R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 16
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6596-08A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method:	TW20202A.MTH
Acquired on	: 13 Sep 07 06:23 PM	Analysis Method	: BW20907.MTH
Report Created on:	13 Sep 07 06:41 PM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
DF=1			

03  
-B-  
-A-

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW12  
Client Project ID: 5369  
Date Collected: 9/12/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-09A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

**Method: SW8021B**

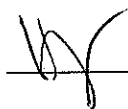
**Prep Method: SW5030B**

Date Prepared: 9/13/07  
Date Analyzed: 9/13/07

Lab File ID: TVB20913\017R  
Method Blank: MB2091307

Dilution Factor: 1

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	5.4	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	87	QC Limits: 60-140	%REC



Analyst



Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

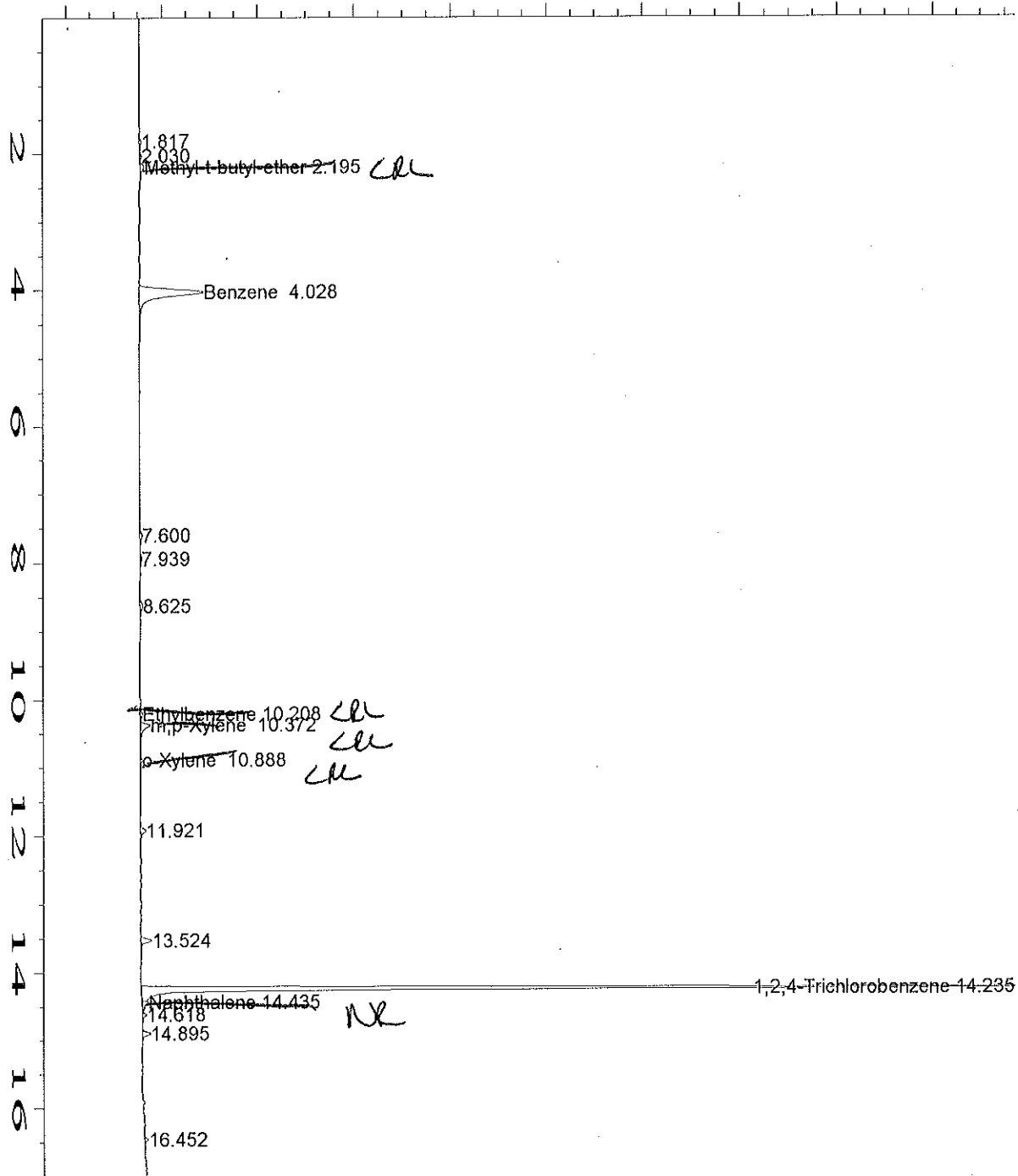
**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07



2.2e4  
2.0e4  
1.8e4  
1.6e4  
1.4e4  
1.2e4  
1.0e4  
8000  
6000  
4000



Data File Name	: C:\HPCHEM\2\DATA\TVB20913\017R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 17
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6596-09A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method	: TW20202A.MTH
Acquired on	: 13 Sep 07 06:58 PM	Analysis Method	: BW20907.MTH
Report Created on:	: 13 Sep 07 07:16 PM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
	DF=1		

3  
4  
5

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091207-MW13  
Client Project ID: 5369  
Date Collected: 9/12/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-10A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07

Lab File ID: TVB20913\022R

Dilution Factor: 1

Date Analyzed: 9/13/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC



Analyst



Approved

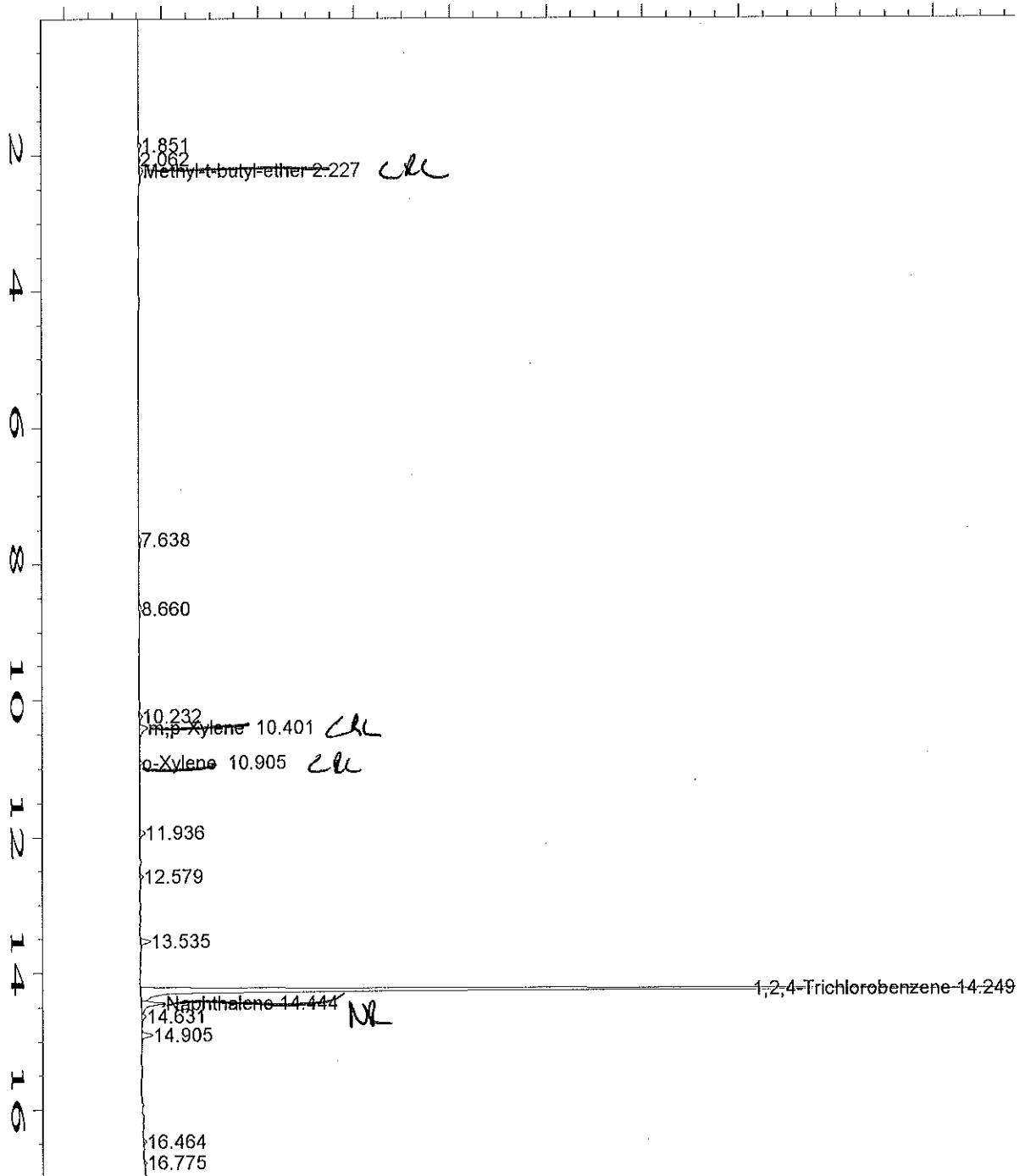
Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL

**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07

2.2e4  
2.0e4  
1.8e4  
1.6e4  
1.4e4  
1.2e4  
1.0e4  
8000  
6000  
4000



Data File Name : C:\HPCHEM\2\DATA\TVB20913\022R0101.D  
 Operator : halej jones  
 Instrument : TVHBTEX2  
 Sample Name : 07-6596-10A  
 Run Time Bar Code:  
 Acquired on : 13 Sep 07 09:53 PM  
 Report Created on: 13 Sep 07 10:10 PM  
 Last Recalib on : 10 SEP 07 10:26 AM  
 Multiplier : 1  
 Sample Info : SAMP  
 DF=1

Page Number : 1  
 Vial Number : 22  
 Injection Number : 1  
 Sequence Line : 1  
 Instrument Method: TW20202A.MTH  
 Analysis Method : BW20907.MTH  
 Sample Amount : 0  
 ISTD Amount :

00  
-B-  
00

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091107-MW21  
Client Project ID: 5369  
Date Collected: 9/11/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-11A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

**Method: SW8021B**

**Prep Method: SW5030B**

Date Prepared: 9/13/07

Lab File ID: TVB20913\023R

Dilution Factor: 1

Date Analyzed: 9/13/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC



Analyst



Approved

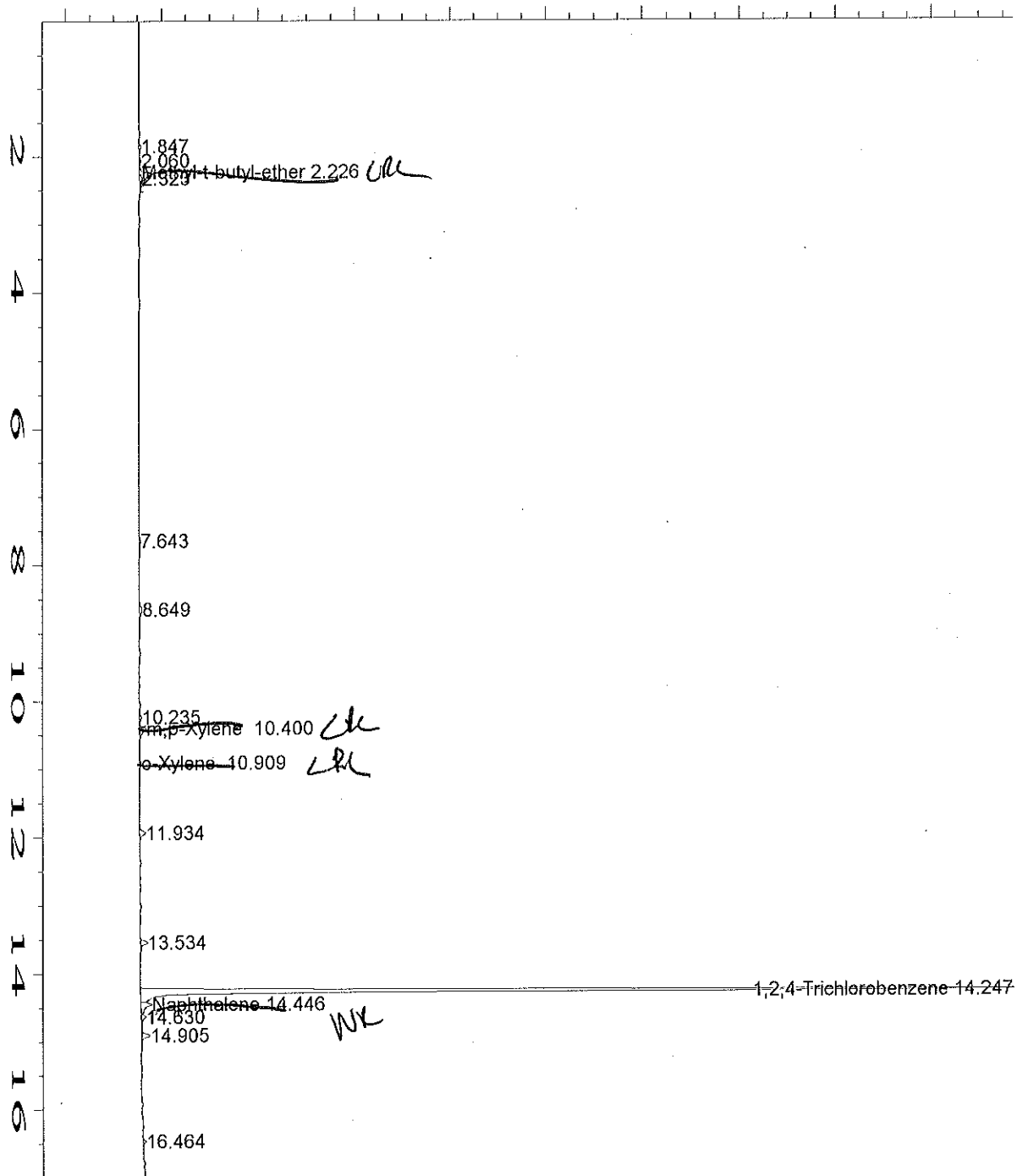
Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07

4000  
6000  
8000  
1.0e4  
1.2e4  
1.4e4  
1.6e4  
1.8e4  
2.0e4  
2.2e4



Data File Name	: C:\HPCHEM\2\DATA\TVB20913\023R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 23
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6596-11A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method	: TW20202A.MTH
Acquired on	: 13 Sep 07 10:27 PM	Analysis Method	: BW20907.MTH
Report Created on:	: 13 Sep 07 10:45 PM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
DF=1			

55  
UN  
CS

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091107-MW20  
Client Project ID: 5369  
Date Collected: 9/11/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-12A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

**Method: SW8021B**

**Prep Method: SW5030B**

Date Prepared: 9/13/07

Lab File ID: TVB20913\024R

Dilution Factor: 1

Date Analyzed: 9/13/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	85	QC Limits: 60-140	%REC



Analyst



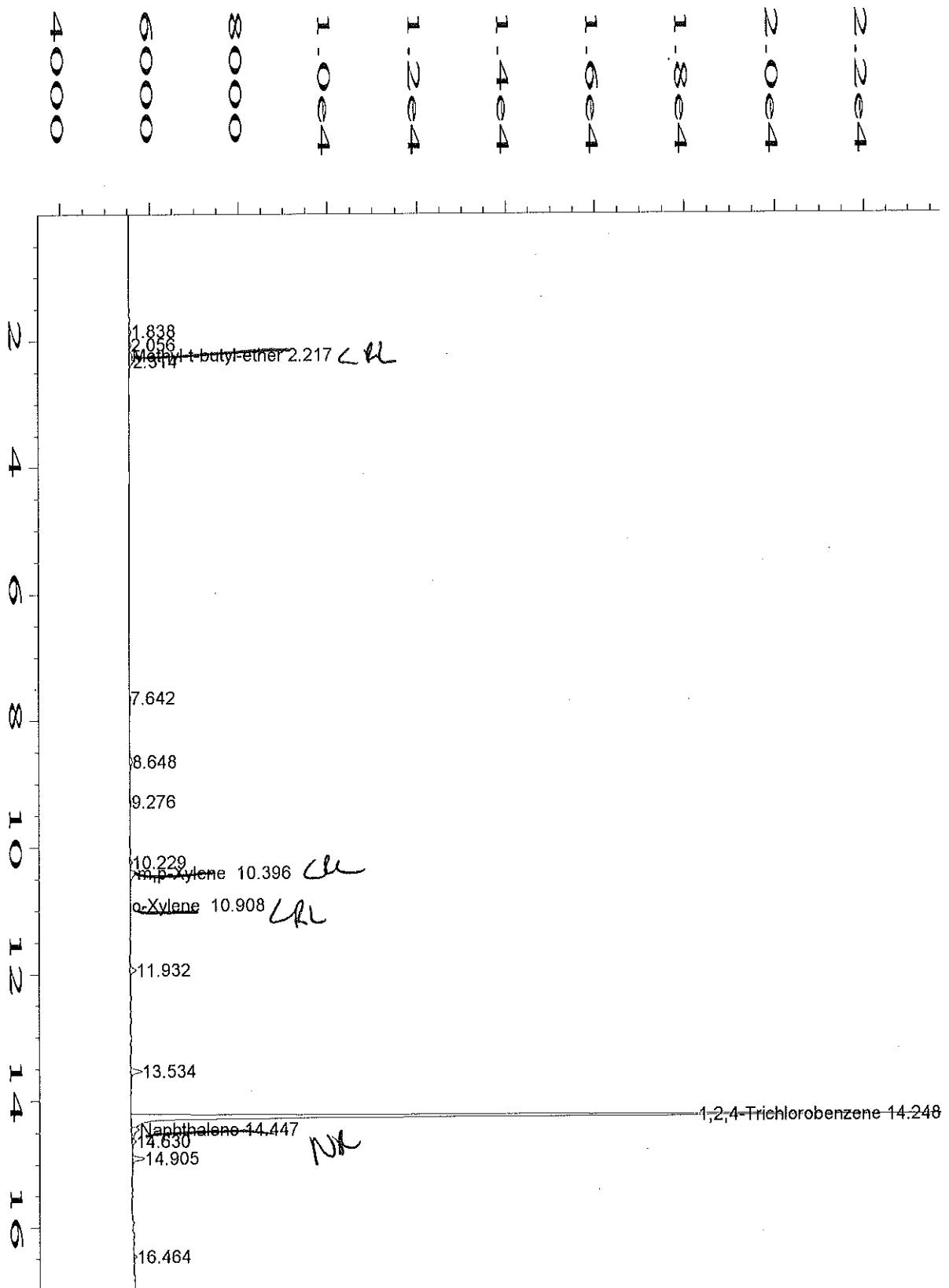
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07



Data File Name : C:\HPCHEM\2\DATA\TVB20913\024R0101.D  
 Operator : halej jones  
 Instrument : TVHBTEX2  
 Sample Name : 07-6596-12A  
 Run Time Bar Code:  
 Acquired on : 13 Sep 07 11:02 PM  
 Report Created on: 13 Sep 07 11:19 PM  
 Last Recalib on : 10 SEP 07 10:26 AM  
 Multiplier : 1  
 Sample Info : SAMP  
 DF=1

Page Number : 1  
 Vial Number : 24  
 Injection Number : 1  
 Sequence Line : 1  
 Instrument Method: TW20202A.MTH  
 Analysis Method : BW20907.MTH  
 Sample Amount : 0  
 ISTD Amount :

50  
09  
03

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091107-MW22  
Client Project ID: 5369  
Date Collected: 9/11/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-13A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

**Method: SW8021B**

**Prep Method: SW5030B**

Date Prepared: 9/13/07

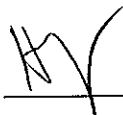
Lab File ID: TVB20913\025R

Dilution Factor: 1

Date Analyzed: 9/13/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	83	QC Limits: 60-140	%REC



Analyst



Approved

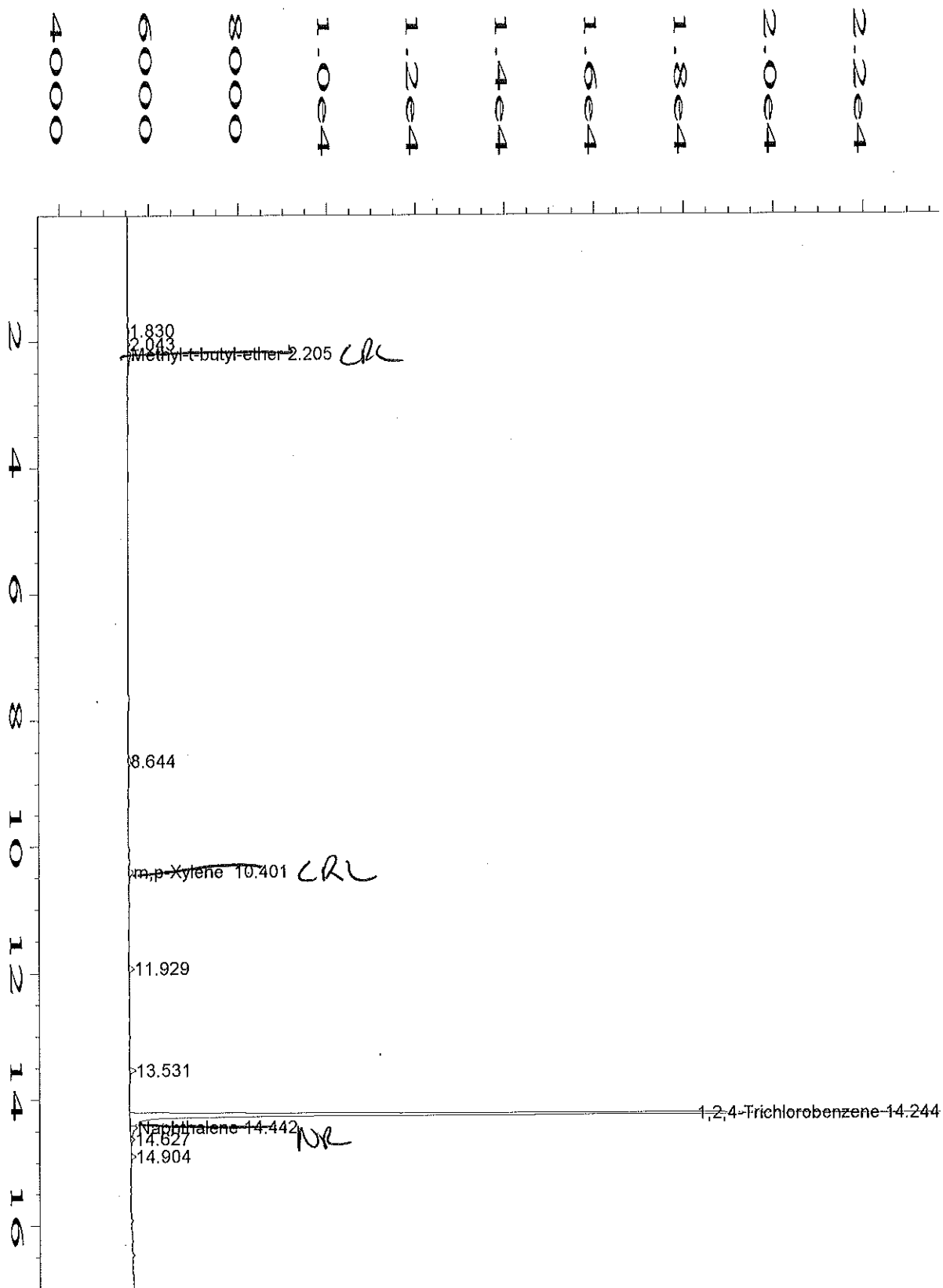
Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07





Data File Name : C:\HPCHEM\2\DATA\TVB20913\025R0101.D  
 Operator : haley jones  
 Instrument : TVHBTEX2  
 Sample Name : 07-6596-13A  
 Run Time Bar Code:  
 Acquired on : 13 Sep 07 11:37 PM  
 Report Created on: 13 Sep 07 11:54 PM  
 Last Recalib on : 10 SEP 07 10:26 AM  
 Multiplier : 1  
 Sample Info : SAMP  
 DF=1

Page Number : 1  
 Vial Number : 25  
 Injection Number : 1  
 Sequence Line : 1  
 Instrument Method: TW20202A.MTH  
 Analysis Method : BW20907.MTH  
 Sample Amount : 0  
 ISTD Amount :

03  
01  
-2

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091107-MW18  
Client Project ID: 5369  
Date Collected: 9/11/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-14A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

**Method: SW8021B**

**Prep Method: SW5030B**

Date Prepared: 9/13/07

Lab File ID: TVB20913\026R

Dilution Factor: 1

Date Analyzed: 9/14/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	83	QC Limits: 60-140	%REC



Analyst



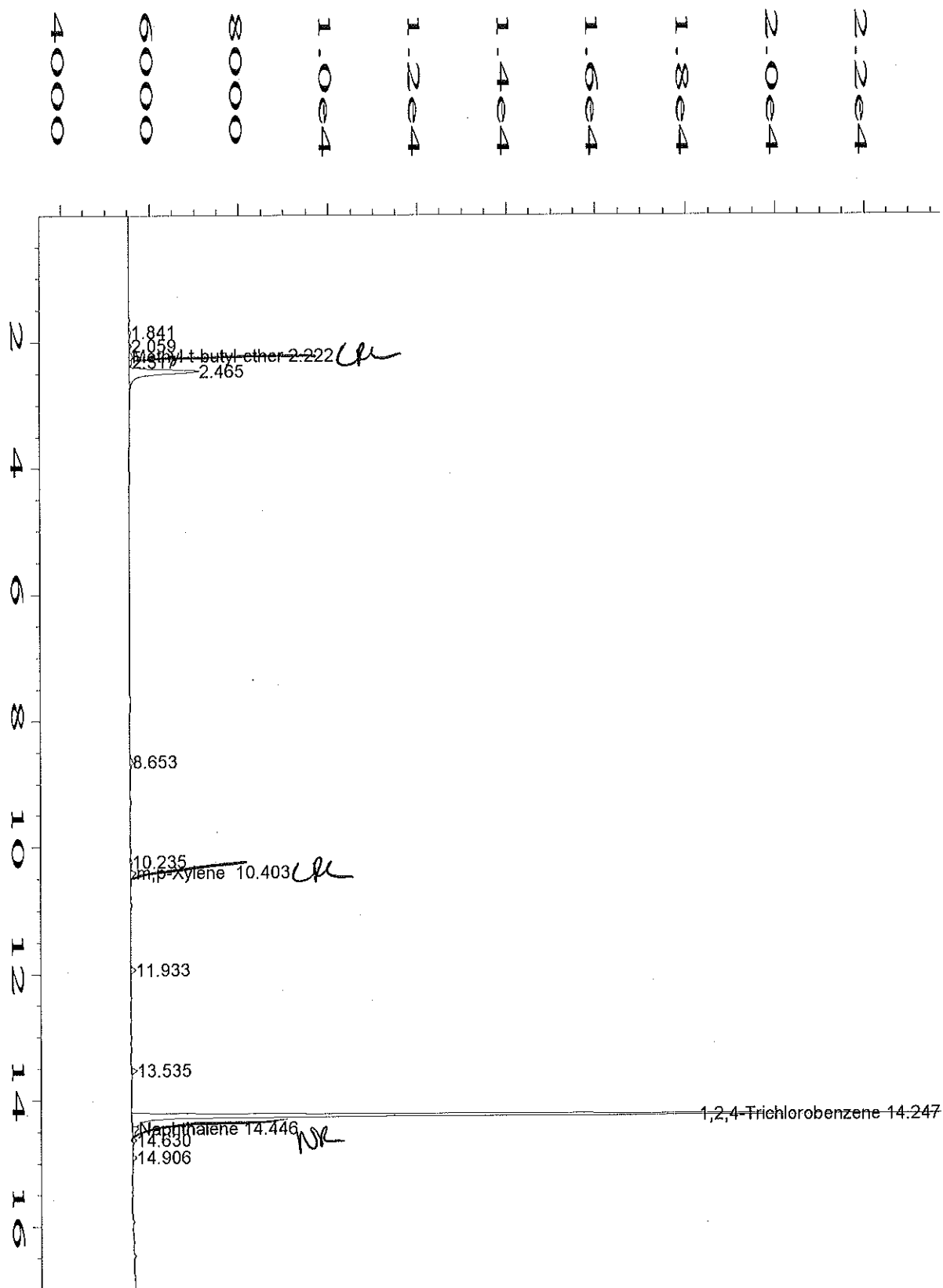
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07



Data File Name	: C:\HPCHEM\2\DATA\TVB20913\026R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 26
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6596-14A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method:	TW20202A.MTH
Acquired on	: 14 Sep 07 00:12 AM	Analysis Method	: BW20907.MTH
Report Created on:	14 Sep 07 00:29 AM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
DF=1			

050

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091107-MW26  
Client Project ID: 5369  
Date Collected: 9/11/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-15A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

**Method: SW8021B**

**Prep Method: SW5030B**

Date Prepared: 9/13/07

Lab File ID: TVB20913\027R

Dilution Factor: 1

Date Analyzed: 9/14/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	81	QC Limits: 60-140	%REC



Analyst



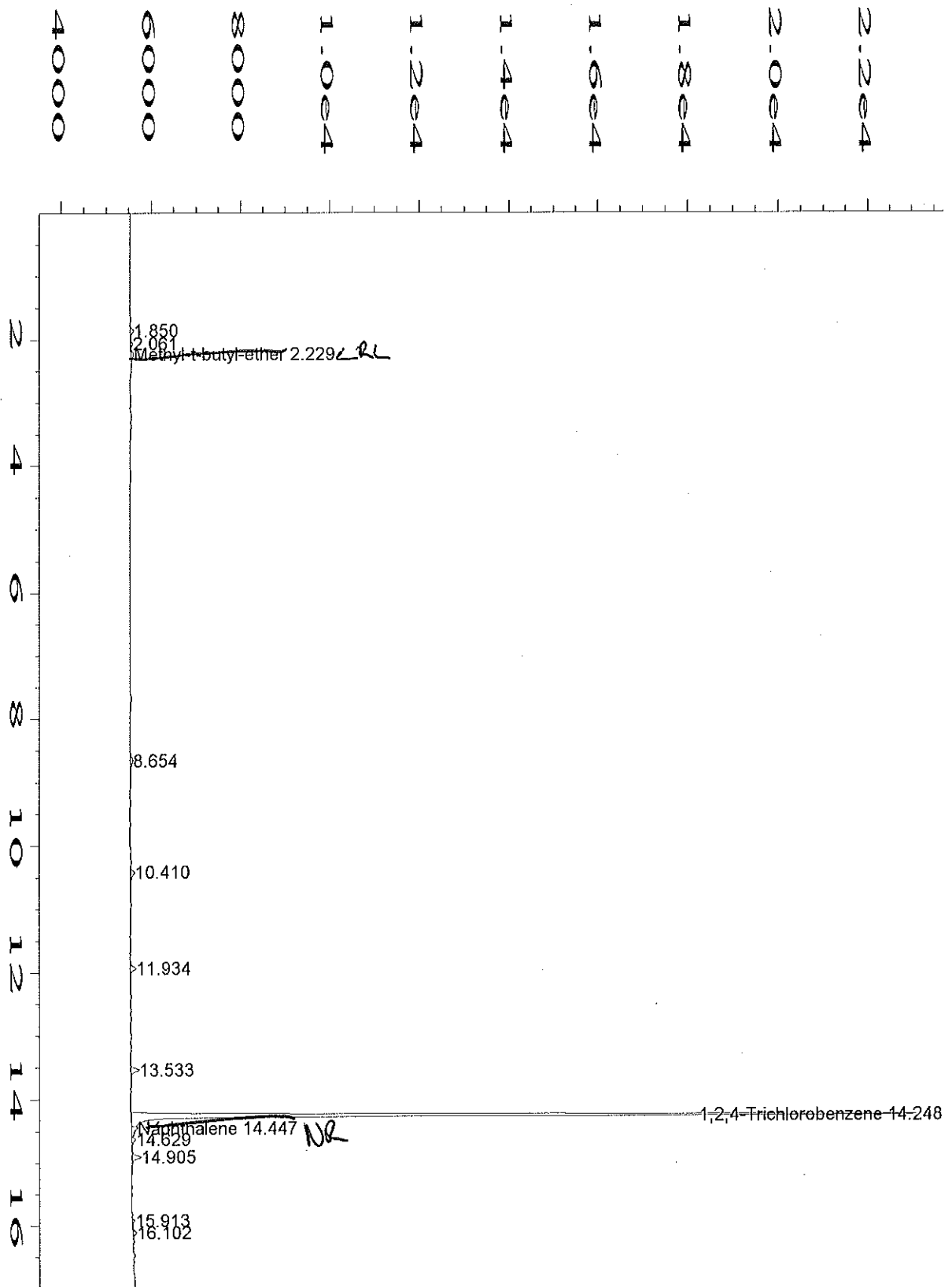
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07



Data File Name : C:\HPCHEM\2\DATA\TVB20913\027R0101.D  
 Operator : haley jones  
 Instrument : TVHBTEX2  
 Sample Name : 07-6596-15A  
 Run Time Bar Code:  
 Acquired on : 14 Sep 07 00:47 AM  
 Report Created on: 14 Sep 07 01:04 AM  
 Last Recalib on : 10 SEP 07 10:26 AM  
 Multiplier : 1  
 Sample Info : SAMP  
 DF=1

Page Number : 1  
 Vial Number : 27  
 Injection Number : 1  
 Sequence Line : 1  
 Instrument Method: TW20202A.MTH  
 Analysis Method : BW20907.MTH  
 Sample Amount : 0  
 ISTD Amount :

88  
01  
00

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091107-MW15  
Client Project ID: 5369  
Date Collected: 9/11/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-16A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07

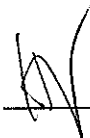
Lab File ID: TVB20913\028R

Dilution Factor: 1

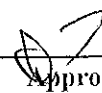
Date Analyzed: 9/14/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	83	QC Limits: 60-140	%REC



Analyst



Approved

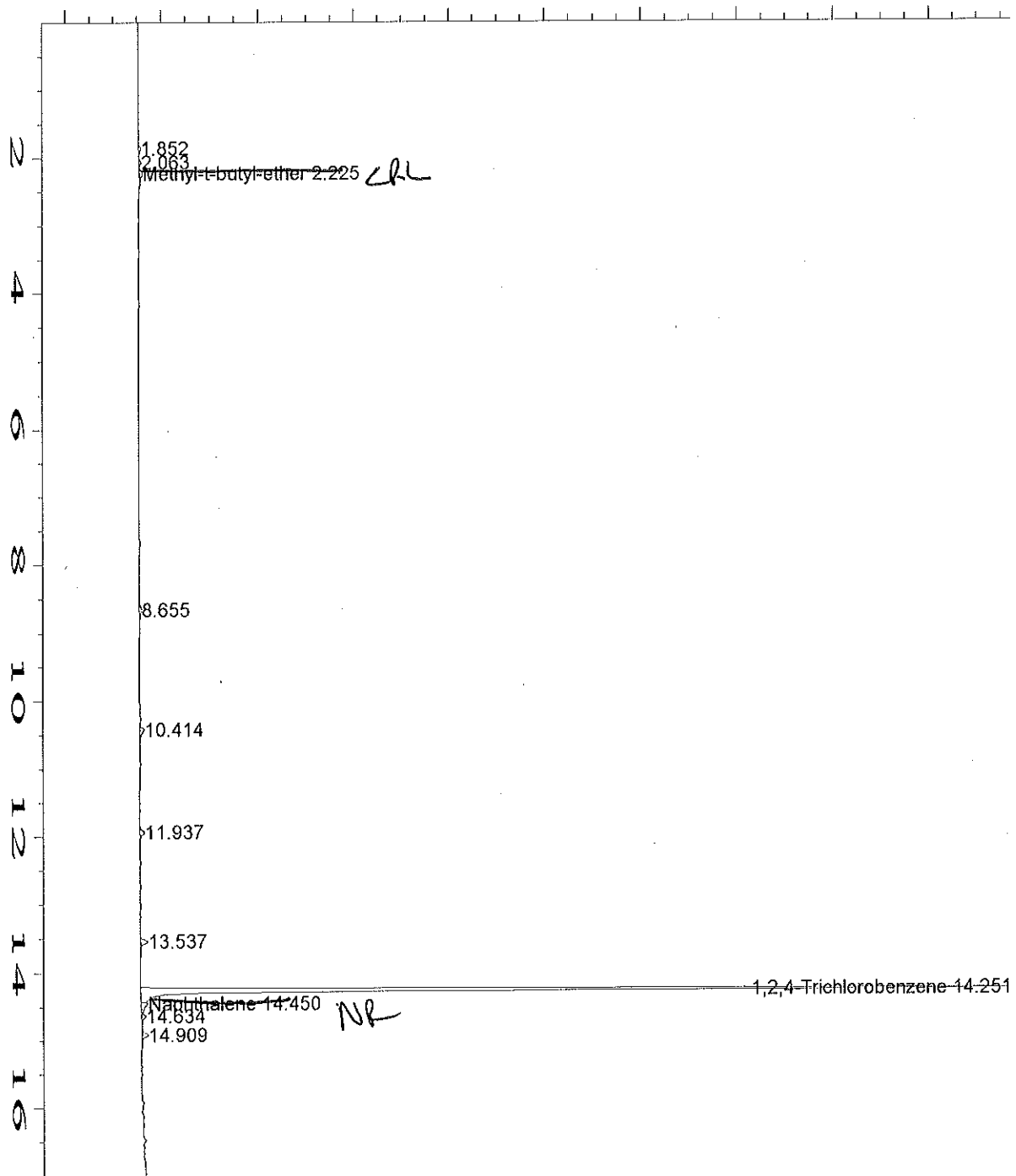
Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07

2.2e4  
2.0e4  
1.8e4  
1.6e4  
1.4e4  
1.2e4  
1.0e4  
8000  
6000  
4000



9/16/07

Data File Name	: C:\HPCHEM\2\DATA\TVB20913\028R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 28
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6596-16A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method:	TW20202A.MTH
Acquired on	: 14 Sep 07 01:21 AM	Analysis Method	: BW20907.MTH
Report Created on:	14 Sep 07 01:39 AM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
DF=1			

000

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091107-MW1	Lab Work Order 07-6596
Client Project ID: 5369	Lab Sample ID: 07-6596-17A
Date Collected: 9/11/07	Sample Matrix: Water
Date Received: 9/13/07	


**AROMATIC VOLATILE ORGANICS**


Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07	Lab File ID: TVB20913\029R	Dilution Factor: 1
Date Analyzed: 9/14/07	Method Blank: MB2091307	

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	84	QC Limits: 60-140	%REC

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

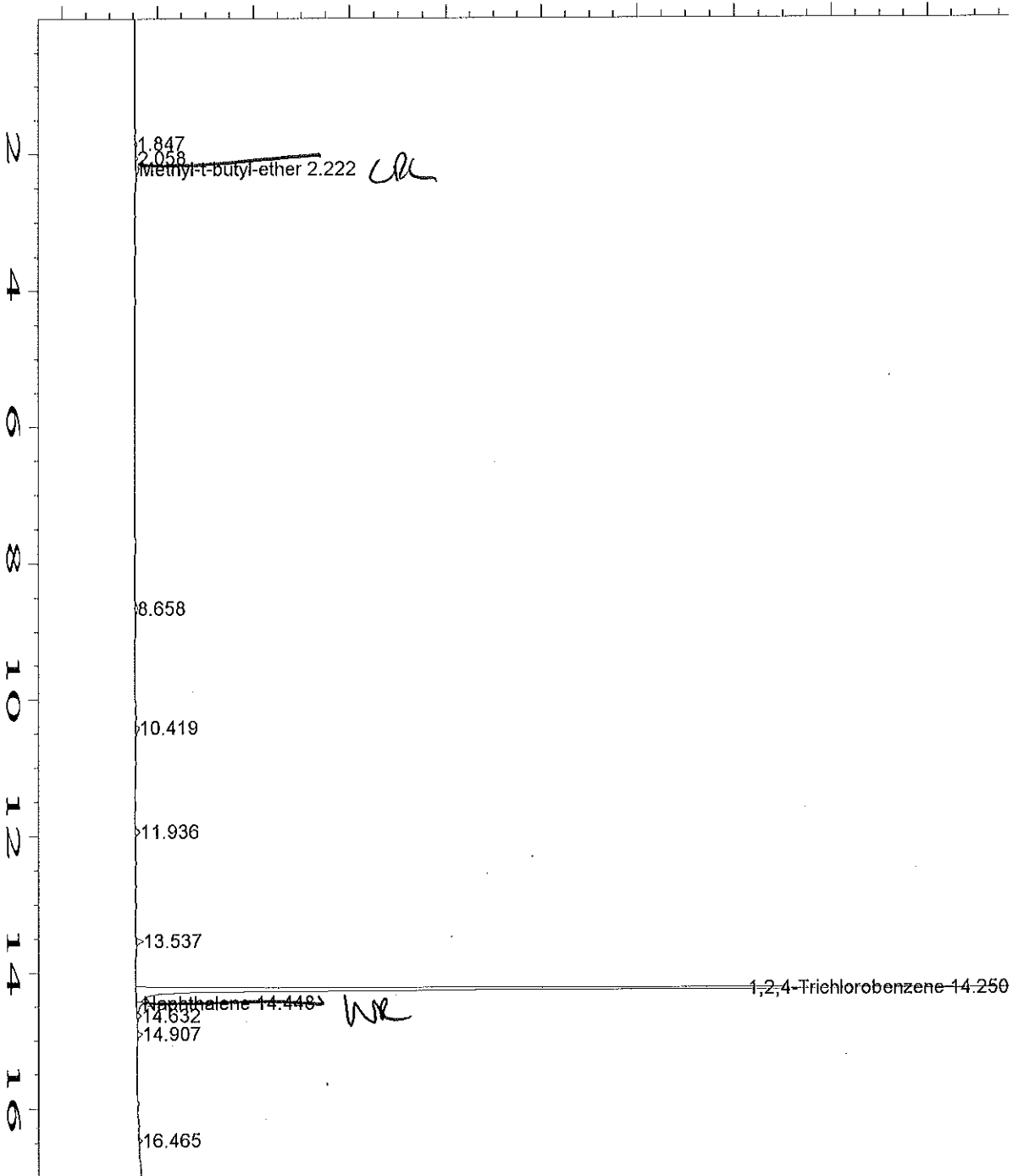
**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07



2.2e4  
2.0e4  
1.8e4  
1.6e4  
1.4e4  
1.2e4  
1.0e4  
8000  
6000  
4000



Data File Name	: C:\HPCHEM\2\DATA\TVB20913\029R0101.D	Page Number	: 1
Operator	: haley jones	Vial Number	: 29
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 07-6596-17A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method	: TW20202A.MTH
Acquired on	: 14 Sep 07 01:56 AM	Analysis Method	: BW20907.MTH
Report Created on:	: 14 Sep 07 02:14 AM	Sample Amount	: 0
Last Recalib on	: 10 SEP 07 10:26 AM	ISTD Amount	:
Multiplier	: 1		
Sample Info	: SAMP		
	DF=1		

66  
06  
13

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Sample ID: 091107-AAA  
Client Project ID: 5369  
Date Collected: 9/11/07  
Date Received: 9/13/07

Lab Work Order 07-6596  
Lab Sample ID: 07-6596-18A  
Sample Matrix: Water

**AROMATIC VOLATILE ORGANICS**

Method: SW8021B

Prep Method: SW5030B

Date Prepared: 9/13/07

Lab File ID: TVB20913\030R


Dilution Factor: 1

Date Analyzed: 9/14/07

Method Blank: MB2091307

Analytes	CAS Number	Result	LQL	Units
Methyl-t-butyl ether	1634-04-4	U	4.0	µg/L
Benzene	71-43-2	U	1.0	µg/L
Toluene	108-88-3	U	2.0	µg/L
Ethylbenzene	100-41-4	U	2.0	µg/L
m,p-Xylene	1330-20-7	U	2.0	µg/L
o-Xylene	95-47-6	U	2.0	µg/L
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	82	QC Limits: 60-140	%REC

  
\_\_\_\_\_  
Analyst

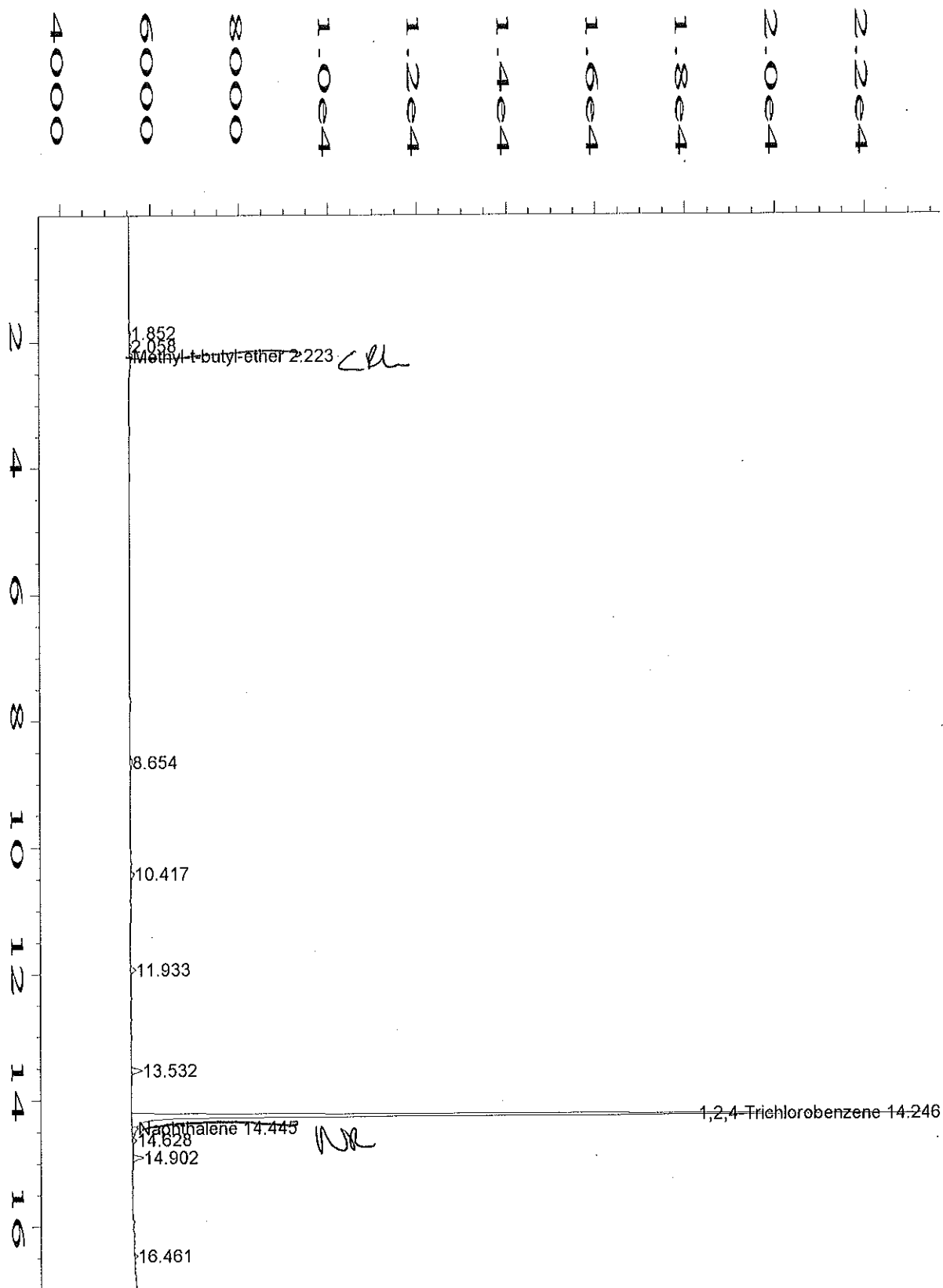
  
\_\_\_\_\_  
Approved

Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

**Qualifiers:** B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:** LQL - Lower Quantitation Limit  
Surr - Surrogate

Print Date: 9/17/07



Data File Name : C:\HPCHEM\2\DATA\TVB20913\030R0101.D  
 Operator : haley jones  
 Instrument : TVHBTEX2  
 Sample Name : 07-6596-18A  
 Run Time Bar Code:  
 Acquired on : 14 Sep 07 02:31 AM  
 Report Created on: 14 Sep 07 02:49 AM  
 Last Recalib on : 10 SEP 07 10:26 AM  
 Multiplier : 1  
 Sample Info : SAMP  
 DF=1

Page Number : 1  
 Vial Number : 30  
 Injection Number : 1  
 Sequence Line : 1  
 Instrument Method: TW20202A.MTH  
 Analysis Method : BW20907.MTH  
 Sample Amount : 0  
 ISTD Amount :

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Project ID 5369

Lab Order: 07-6596  
Units: pH Units

## E150.1 pH

Method: E150.1

Prep Method: E150.1

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
07-6596-01B	091207-MTW6	Water	9/13/07	9/12/07 0830	9/13/07	9/13/07 1050	6.96 H	1.00	1
07-6596-02B	091207-MTW7	Water	9/13/07	9/12/07 0900	9/13/07	9/13/07 1050	7.16 H	1.00	1
07-6596-03B	091207-MTW8	Water	9/13/07	9/12/07 0930	9/13/07	9/13/07 1050	7.34 H	1.00	1
07-6596-04B	091207-MTW16	Water	9/13/07	9/12/07 1030	9/13/07	9/13/07 1050	8.07 H	1.00	1
07-6596-05B	091207-MTW17	Water	9/13/07	9/12/07 1000	9/13/07	9/13/07 1050	7.51 H	1.00	1
07-6596-06B	091207-MTW2	Water	9/13/07	9/12/07 1100	9/13/07	9/13/07 1050	7.50	1.00	1
07-6596-07B	091207-MTW25	Water	9/13/07	9/12/07 1230	9/13/07	9/13/07 1050	7.30	1.00	1
07-6596-08B	091207-MTW11	Water	9/13/07	9/12/07 1300	9/13/07	9/13/07 1050	7.22	1.00	1
07-6596-09B	091207-MTW12	Water	9/13/07	9/12/07 1200	9/13/07	9/13/07 1050	7.37	1.00	1
07-6596-10B	091207-MTW13	Water	9/13/07	9/12/07 1130	9/13/07	9/13/07 1050	7.20	1.00	1
07-6596-11B	091107-MTW21	Water	9/13/07	9/11/07 0930	9/13/07	9/13/07 1050	7.45 H	1.00	1
07-6596-12B	091107-MTW20	Water	9/13/07	9/11/07 1000	9/13/07	9/13/07 1050	7.22 H	1.00	1
07-6596-13B	091107-MTW22	Water	9/13/07	9/11/07 1000	9/13/07	9/13/07 1050	7.08 H	1.00	1
07-6596-14B	091107-MTW18	Water	9/13/07	9/11/07 1100	9/13/07	9/13/07 1050	7.30 H	1.00	1
07-6596-15B	091107-MTW26	Water	9/13/07	9/11/07 1130	9/13/07	9/13/07 1050	7.15 H	1.00	1
07-6596-16B	091107-MTW15	Water	9/13/07	9/11/07 1200	9/13/07	9/13/07 1050	7.49 H	1.00	1
07-6596-17B	091107-MTW1	Water	9/13/07	9/11/07 1230	9/13/07	9/13/07 1050	7.36 H	1.00	1

Analyst

Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL

H - Sample analysis exceeded analytical holding time

U - Compound analyzed for but not detected

X - See case narrative

\* - Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor

LQL - Lower Quantitation Limit

Print Date: 9/18/2007

**Evergreen Analytical, Inc.**  
 4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
 (303) 425-6021

Client Project ID 5369

 Lab Order: 07-6596  
 Units: pH Units

### E150.1 pH

Method: E150.1

Prep Method: E150.1

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
07-6596-18B	091107-AAA	Water	9/13/07	9/11/07 12:15	9/13/07	9/13/07 10:50	7.87 H	1.00	1

Comments:

  
 Analyst

  
 Approved

**Qualifiers:** J - Indicates an estimated value when the compound is detected, but is below the LQL  
 H - Sample analysis exceeded analytical holding time  
 U - Compound analyzed for but not detected  
 X - See case narrative

**Definitions:** DF - Dilution Factor  
 LQL - Lower Quantitation Limit

\*- Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Print Date: 9/18/2007

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Project ID 5369

Lab Order: 07-6596  
Units:  $\mu\text{mhos/cm}$

Specific Conductance @ 25°C

Specific Conductance

Method: SM2510 B

Prep Method: SM2510 B

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
07-6596-01B	091207-MW6	Water	9/13/07	9/12/07	9/17/07	9/17/07	893	1.00	1
07-6596-02B	091207-MW7	Water	9/13/07	9/12/07	9/17/07	9/17/07	940	1.00	1
07-6596-03B	091207-MW8	Water	9/13/07	9/12/07	9/17/07	9/17/07	1030	1.00	1
07-6596-04B	091207-MW16	Water	9/13/07	9/12/07	9/17/07	9/17/07	947	1.00	1
07-6596-05B	091207-MW17	Water	9/13/07	9/12/07	9/17/07	9/17/07	1080	1.00	1
07-6596-06B	091207-MW2	Water	9/13/07	9/12/07	9/17/07	9/17/07	753	1.00	1
07-6596-07B	091207-MW25	Water	9/13/07	9/12/07	9/17/07	9/17/07	633	1.00	1
07-6596-08B	091207-MW11	Water	9/13/07	9/12/07	9/17/07	9/17/07	575	1.00	1
07-6596-09B	091207-MW12	Water	9/13/07	9/12/07	9/17/07	9/17/07	762	1.00	1
07-6596-10B	091207-MW13	Water	9/13/07	9/12/07	9/17/07	9/17/07	962	1.00	1
07-6596-11B	091107-MW21	Water	9/13/07	9/11/07	9/17/07	9/17/07	1290	1.00	1
07-6596-12B	091107-MW20	Water	9/13/07	9/11/07	9/17/07	9/17/07	865	1.00	1
07-6596-13B	091107-MW22	Water	9/13/07	9/11/07	9/17/07	9/17/07	880	1.00	1
07-6596-14B	091107-MW18	Water	9/13/07	9/11/07	9/17/07	9/17/07	717	1.00	1
07-6596-15B	091107-MW26	Water	9/13/07	9/11/07	9/17/07	9/17/07	822	1.00	1
07-6596-16B	091107-MW15	Water	9/13/07	9/11/07	9/17/07	9/17/07	661	1.00	1
07-6596-17B	091107-MW1	Water	9/13/07	9/11/07	9/17/07	9/17/07	1140	1.00	1

Analyst

Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL

H - Sample analysis exceeded analytical holding time

U - Compound analyzed for but not detected

X - See case narrative

\* - Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor  
LQL - Lower Quantitation Limit

Print Date: 9/21/07

**Evergreen Analytical, Inc.**  
 4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
 (303) 425-6021

Client Project ID 5369

 Lab Order: 07-6596  
 Units: µmhos/cm

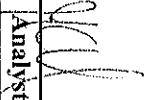
 Specific Conductance @ 25°C  
 Specific Conductance

Method: SM2510 B

Prep Method: SM2510 B

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
07-6596-18B	091107-AAA	Water	9/13/07	9/11/07	9/17/07	9/17/07	577	1.00	1

Comments:



Analyst



Approved

**Qualifiers:** J - Indicates an estimated value when the compound is detected, but is below the LQL.  
 H - Sample analysis exceeded analytical holding time  
 U - Compound analyzed for but not detected  
 X - See case narrative

**Definitions:** DF - Dilution Factor  
 LQL - Lower Quantitation Limit

\* - Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Print Date: 9/21/07

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Project ID 5369

Lab Order: 07-6596  
Units: mg/L

**Total Dissolved Solids (TDS)**  
**Total Dissolved Solids**

Method: SM 2540C

Prep Method: SM 2540C

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
07-6596-01B	091207-MW6	Water	9/13/07	9/12/07 0830	9/13/07	9/13/07 0000	619	10.0	1
07-6596-02B	091207-MW7	Water	9/13/07	9/12/07 0900	9/13/07	9/13/07 0000	650	10.0	1
07-6596-03B	091207-MW8	Water	9/13/07	9/12/07 0930	9/13/07	9/13/07 0000	711	10.0	1
07-6596-04B	091207-MW16	Water	9/13/07	9/12/07 1030	9/13/07	9/13/07 0000	628	10.0	1
07-6596-05B	091207-MW17	Water	9/13/07	9/12/07 1000	9/13/07	9/13/07 0000	760	10.0	1
07-6596-06B	091207-MW2	Water	9/13/07	9/12/07 1100	9/13/07	9/13/07 0000	487	10.0	1
07-6596-07B	091207-MW25	Water	9/13/07	9/12/07 1230	9/13/07	9/13/07 0000	429	10.0	1
07-6596-08B	091207-MW11	Water	9/13/07	9/12/07 1300	9/13/07	9/13/07 0000	391	10.0	1
07-6596-09B	091207-MW12	Water	9/13/07	9/12/07 1200	9/13/07	9/13/07 0000	518	10.0	1
07-6596-10B	091207-MW13	Water	9/13/07	9/12/07 1130	9/13/07	9/13/07 0000	626	10.0	1
07-6596-11B	091107-MW21	Water	9/13/07	9/11/07 0930	9/13/07	9/13/07 0000	864	10.0	1
07-6596-12B	091107-MW20	Water	9/13/07	9/11/07 1000	9/13/07	9/13/07 0000	549	10.0	1
07-6596-13B	091107-MW22	Water	9/13/07	9/11/07 1000	9/13/07	9/13/07 0000	568	10.0	1
07-6596-14B	091107-MW18	Water	9/13/07	9/11/07 1100	9/13/07	9/13/07 0000	476	10.0	1
07-6596-15B	091107-MW26	Water	9/13/07	9/11/07 1130	9/13/07	9/13/07 0000	528	10.0	1
07-6596-16B	091107-MW15	Water	9/13/07	9/11/07 1200	9/13/07	9/13/07 0000	434	10.0	1
07-6596-17B	091107-MW1	Water	9/13/07	9/11/07 1230	9/13/07	9/13/07 0000	759	10.0	1

Analyst

Approved

**Qualifiers:** J - Indicates an estimated value when the compound is detected, but is below the LQL  
H - Sample analysis exceeded analytical holding time  
U - Compound analyzed for but not detected

**Definitions:** DF - Dilution Factor  
LQL - Lower Quantitation Limit

X - See case narrative  
\*- Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Print Date: 9/21/07



**Evergreen Analytical, Inc.**  
 4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
 (303) 425-6021

Client Project ID 5369

 Lab Order: 07-6596  
 Units: mg/L

### Total Dissolved Solids (TDS)

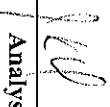
Method: SM 2540C

### Total Dissolved Solids

Prep Method: SM 2540C

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
07-6596-18B	091107-AAA	Water	9/13/07	9/11/07	1215	9/19/07	550	10.0	1

Comments:

  
 Analyst

  
 Approved
**Qualifiers:**

J - Indicates an estimated value when the compound is detected, but is below the LQL

H - Sample analysis exceeded analytical holding time

U - Compound analyzed for but not detected

X - See case narrative

\* - Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:**

DF - Dilution Factor

LQL - Lower Quantitation Limit

Print Date: 9/21/07

# Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Project ID 5369  
Date Received: 9/13/07

Lab Order: 07-6596  
Date Prepared: 9/13/07  
Units: mg/L

## Dissolved Metals

### Sodium

Method: SW6010B

Prep Method: E200.7/SW3010A

Lab ID	Client ID	Matrix	Date Collected	Date Analyzed	Results	LQL	DF
07-6596-01C	091207-MW6	Water	9/12/07	9/13/07	120	0.40	1
07-6596-02C	091207-MW7	Water	9/12/07	9/13/07	140	0.40	1
07-6596-03C	091207-MW8	Water	9/12/07	9/13/07	180	0.40	1
07-6596-04C	091207-MW16	Water	9/12/07	9/13/07	250	0.40	1
07-6596-05C	091207-MW17	Water	9/12/07	9/13/07	240	0.40	1
07-6596-06C	091207-MW2	Water	9/12/07	9/13/07	150	0.40	1
07-6596-07C	091207-MW25	Water	9/12/07	9/14/07	39	0.40	1
07-6596-08C	091207-MW11	Water	9/12/07	9/14/07	36	0.40	1
07-6596-09C	091207-MW12	Water	9/12/07	9/13/07	110	0.40	1
07-6596-10C	091207-MW13	Water	9/12/07	9/14/07	84	0.40	1
07-6596-11C	091107-MW21	Water	9/11/07	9/13/07	290	0.40	1
07-6596-12C	091107-MW20	Water	9/11/07	9/13/07	120	0.40	1
07-6596-13C	091107-MW22	Water	9/11/07	9/13/07	130	0.40	1
07-6596-14C	091107-MW18	Water	9/11/07	9/14/07	69	0.40	1
07-6596-15C	091107-MW26	Water	9/11/07	9/13/07	110	0.40	1
07-6596-16C	091107-MW15	Water	9/11/07	9/14/07	52	0.40	1
07-6596-17C	091107-MW1	Water	9/11/07	9/13/07	220	0.40	1
07-6596-18C	091107-AAA	Water	9/11/07	9/13/07	220	0.40	1

*MP*

Analyst

*WHA*

Approved

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result  
E - Extrapolated value. Value exceeds calibration range  
H - Sample analysis exceeded analytical holding time  
J - Indicates an estimated value when the compound is detected, but is below the LQL  
S - Spike Recovery outside accepted limits  
U - Compound analyzed for but not detected  
X - See case narrative  
\* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor  
PF - Prep Factor  
LQL - Lower Quantitation Limit

Print Date: 9/17/07

**Evergreen Analytical, Inc.**  
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Project ID 5369

Lab Order: 07-6596  
Units: mg/L

**Anions by IC  
Chloride**

Method: E300.0

Prep Method: E300.0

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
07-6596-01D	091207-MW6	Water	9/13/07	9/12/07 0830	9/14/07	9/14/07 1117	10.5	0.50	1
07-6596-02D	091207-MW7	Water	9/13/07	9/12/07 0900	9/14/07	9/14/07 1212	23.6	0.50	1
07-6596-03D	091207-MW8	Water	9/13/07	9/12/07 0930	9/14/07	9/14/07 1226	35.1	0.50	1
07-6596-04D	091207-MW16	Water	9/13/07	9/12/07 1030	9/14/07	9/14/07 1239	43.4	0.50	1
07-6596-05D	091207-MW17	Water	9/13/07	9/12/07 1000	9/14/07	9/14/07 1253	44.0	0.50	1
07-6596-06D	091207-MW2	Water	9/13/07	9/12/07 1100	9/14/07	9/14/07 1307	44.8	0.50	1
07-6596-07D	091207-MW25	Water	9/13/07	9/12/07 1230	9/14/07	9/14/07 1713	26.7	0.50	1
07-6596-08D	091207-MW11	Water	9/13/07	9/12/07 1300	9/14/07	9/14/07 1727	20.3	0.50	1
07-6596-09D	091207-MW12	Water	9/13/07	9/12/07 1200	9/14/07	9/14/07 1741	20.4	0.50	1
07-6596-10D	091207-MW13	Water	9/13/07	9/12/07 1130	9/14/07	9/14/07 1754	4.3	0.50	1
07-6596-11D	091107-MW21	Water	9/13/07	9/11/07 0930	9/14/07	9/14/07 1808	18.5	0.50	1
07-6596-12D	091107-MW20	Water	9/13/07	9/11/07 1000	9/14/07	9/14/07 1822	14.6	0.50	1
07-6596-13D	091107-MW22	Water	9/13/07	9/11/07 1000	9/14/07	9/14/07 1836	18.2	0.50	1
07-6596-14D	091107-MW18	Water	9/13/07	9/11/07 1100	9/14/07	9/14/07 1917	5.8	0.50	1
07-6596-15D	091107-MW26	Water	9/13/07	9/11/07 1130	9/14/07	9/14/07 1930	7.5	0.50	1
07-6596-16D	091107-MW15	Water	9/13/07	9/11/07 1200	9/14/07	9/14/07 1944	5.5	0.50	1
07-6596-17D	091107-MW1	Water	9/13/07	9/11/07 1230	9/14/07	9/14/07 1958	22.9	0.50	1

Analyst

Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL

H - Sample analysis exceeded analytical holding time

U - Compound analyzed for but not detected

X - See case narrative

\* - Value exceeds Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor  
LQL - Lower Quantitation Limit

Print Date: 9/17/07

**Evergreen Analytical, Inc.**  
 4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
 (303) 425-6021

Client Project ID 5369

 Lab Order: 07-6596  
 Units: mg/L

**Anions by IC  
Chloride**

Method: E300.0

Prep Method: E300.0

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
07-6596-18D	091107-AAA	Water	9/13/07	9/11/07 1215	9/14/07	9/14/07 2011	23.3	0.50	1

Comments:

*J. Stanc*  
 Analyst

*Carl Holt*  
 Approved

**Qualifiers:**

J - Indicates an estimated value when the compound is detected, but is below the LQL

H - Sample analysis exceeded analytical holding time

U - Compound analyzed for but not detected

X - See case narrative

\* - Value exceeds Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

**Definitions:**

DF - Dilution Factor

LQL - Lower Quantitation Limit

Print Date: 9/17/07

## Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
(303) 425-6021

Client Project ID 5369

Lab Order: 07-6596  
Units: mg/L

## RSKSOP-175M Headspace

Method: RSKSOP175M

Prep Method: RSKSOP175M

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
07-6596-01E	091207-MW6	Water	9/13/07	9/12/07	9/17/07	9/17/07	U	0.00080	1
07-6596-02E	091207-MW7	Water	9/13/07	9/12/07	9/17/07	9/17/07	U	0.00080	1
07-6596-03E	091207-MW8	Water	9/13/07	9/12/07	9/17/07	9/17/07	U	0.00080	1
07-6596-04E	091207-MW16	Water	9/13/07	9/12/07	9/17/07	9/17/07	0.80	0.0080	10
07-6596-05E	091207-MW17	Water	9/13/07	9/12/07	9/17/07	9/17/07	2.0	0.0080	10
07-6596-06E	091207-MW2	Water	9/13/07	9/12/07	9/17/07	9/17/07	3.5	0.040	50
07-6596-07E	091207-MW25	Water	9/13/07	9/12/07	9/17/07	9/17/07	0.0023	0.00080	1
07-6596-08E	091207-MW11	Water	9/13/07	9/12/07	9/17/07	9/17/07	0.028	0.00080	1
07-6596-09E	091207-MW12	Water	9/13/07	9/12/07	9/17/07	9/17/07	3.7	0.016	20
07-6596-10E	091207-MW13	Water	9/13/07	9/12/07	9/17/07	9/17/07	0.43	0.0040	5
07-6596-11E	091107-MW21	Water	9/13/07	9/11/07	9/17/07	9/17/07	0.0012	0.00080	1
07-6596-12E	091107-MW20	Water	9/13/07	9/11/07	9/17/07	9/17/07	U	0.00080	1
07-6596-13E	091107-MW22	Water	9/13/07	9/11/07	9/17/07	9/17/07	U	0.00080	1
07-6596-14E	091107-MW18	Water	9/13/07	9/11/07	9/17/07	9/17/07	U	0.00080	1
07-6596-15E	091107-MW26	Water	9/13/07	9/11/07	9/17/07	9/17/07	1.4	0.0080	10
07-6596-16E	091107-MW15	Water	9/13/07	9/11/07	9/17/07	9/17/07	U	0.00080	1
07-6596-17E	091107-MW1	Water	9/13/07	9/11/07	9/17/07	9/17/07	0.0010	0.00080	1

Analyst

Approved

Qualifiers: J - Indicates an estimated value when the compound is detected, but is below the LQL.

H - Sample analysis exceeded analytical holding time

U - Compound analyzed for but not detected

X - See case narrative

\* Value exceeds Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor

LQL - Lower Quantitation Limit

Print Date: 9/17/07

**Evergreen Analytical, Inc.**  
 4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862  
 (303) 425-6021

Client Project ID 5369

Lab Order: 07-6596  
Units: mg/L

**RSKSOP-175M Headspace**

Method: RSKSOP175M

Methane

Prep Method: RSKSOP175M

Lab ID	Client ID	Matrix	Date Received	Collection Date	Date Prepared	Date Analyzed	Results	LQL	DF
07-6596-18E	091107-AAA	Water	9/13/07	9/11/07	9/17/07	9/17/07	U	0.00080	1

Comments:

CS  
 Analyst

87  
 Approved

**Qualifiers:** J - Indicates an estimated value when the compound is detected, but is below the LQL.  
 H - Sample analysis exceeded analytical holding time  
 U - Compound analyzed for but not detected  
 X - See case narrative

**Definitions:** DF - Dilution Factor  
 LQL - Lower Quantitation Limit

\* Value exceeds Maximum Contamination Level(MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Print Date: 9/17/07

## QUALITY ASSURANCE REPORTS

METHOD BLANKS (MB, MEB)

LABORATORY CONTROL SPIKES (LCS)

MATRIX SPIKES (MS/MSD)\*

DUPLICATES (DUP)\*

\*Only included if requested or if performed on this client's samples.

Evergreen Analytical, Inc.

Date: 27-Sep-07

Work Order: 07-6596  
Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8021\_W

Sample ID: MB2091307	SampleType: MBLK	TestCode: 8021_W	Run ID: TVHBTX2_070913A	Prep Date: 9/13/07	Units: µg/L
Batch ID: R34335	TestNo: SW8021B	FileID: TVB209131004R	Analysis Date: 9/13/07	SeqNo: 611592	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Methyl-t-butyl ether	U	4.0			
Benzene	U	1.0			
Toluene	U	2.0			
Ethylbenzene	U	2.0			
m,p-Xylene	U	2.0			
o-Xylene	U	2.0			
Surr: 1,2,4-Trichlorobenzene (S)	85.89	0	100	0	85.9 60 140 0 0

Sample ID: LCS2091307	SampleType: LCS	TestCode: 8021_W	Run ID: TVHBTX2_070913A	Prep Date: 9/13/07	Units: µg/L
Batch ID: R34335	TestNo: SW8021B	FileID: TVB209131005R	Analysis Date: 9/13/07	SeqNo: 611593	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Methyl-t-butyl ether	34.05	4.0	31.2	0	109	70	130	0	0
Benzene	25.86	1.0	25.5	0	101	70	130	0	0
Toluene	167.8	2.0	183.6	0	91.4	70	130	0	0
Ethylbenzene	35.96	2.0	36.8	0	97.7	70	130	0	0
m,p-Xylene	134.8	2.0	136.3	0	98.9	70	130	0	0
o-Xylene	54.87	2.0	57.2	0	95.9	70	130	0	0
Surr: 1,2,4-Trichlorobenzene (S)	105.4	0	100	0	105	60	140	0	0

Sample ID: 07-6596-02AMS	SampleType: MS	TestCode: 8021_W	Run ID: TVHBTX2_070913A	Prep Date: 9/13/07	Units: µg/L
Client ID: 091207-MW7	Batch ID: R34335	TestNo: SW8021B	FileID: TVB209131007R	Analysis Date: 9/13/07	SeqNo: 611595
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Methyl-t-butyl ether	35.29	4.0	31.2	0	113	65	132	0	0
Benzene	26.63	1.0	25.5	0	104	70	130	0	0
Toluene	173.7	2.0	183.6	0	94.6	70	130	0	0
Ethylbenzene	36.97	2.0	36.8	0	100	62	130	0	0
m,p-Xylene	139.7	2.0	136.3	0	102	70	134	0	0

## Qualifiers:

U - Not detected at or above the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside acceptance limits  
E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits  
B - Analyte detected in the associated Method Blank  
H - Prep or analytical holding time exceeded  
X - See case narrative



**Work Order:** 07-6596  
**Client Project ID:** 5369

# ANALYTICAL QC SUMMARY REPORT

**TestCode:** 8021\_W

Sample ID: 07-6596-02AMS	Sample Type: MS	TestCode: 8021_W	Run ID: TVHBTX2_070913A	Prep Date: 9/13/07	Units: µg/L						
Client ID: 091207-AMW7	Batch ID: R34335	TestNo: SW8021B	FileID: TVB209131007R	Analysis Date: 9/13/07	SeqNo: 611595						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	56.81	2.0	57.2	0	99.3	63	130	0	0	0	
Surr: 1,2,4-Trichlorobenzene (S)	109.8	0	100	0	110	60	140	0	0	0	
Sample ID: 07-6596-02AMS	Sample Type: MSD	TestCode: 8021_W	Run ID: TVHBTX2_070913A	Prep Date: 9/13/07	Units: µg/L						
Client ID: 091207-AMW7	Batch ID: R34335	TestNo: SW8021B	FileID: TVB209131008R	Analysis Date: 9/13/07	SeqNo: 611596						
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl-t-butyl ether	34.94	4.0	31.2	0	112	65	132	35.29	0.991	30	
Benzene	26.32	1.0	25.5	0	103	70	130	26.63	1.18	30	
Toluene	171.6	2.0	183.6	0	93.5	70	130	173.7	1.23	30	
Ethylbenzene	36.4	2.0	36.8	0	98.9	62	130	36.97	1.56	30	
m,p-Xylene	137.5	2.0	136.3	0	101	70	134	139.7	1.56	30	
o-Xylene	55.88	2.0	57.2	0	97.7	63	130	56.81	1.64	30	
Surr: 1,2,4-Trichlorobenzene (S)	110.5	0	100	0	110	60	140	0	0	0	

## Qualifiers:

U - Not detected at or above the Reporting Limit  
 J - Analyte detected below quantitation limits  
 S - Spike Recovery outside acceptance limits  
 E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits  
 B - Analyte detected in the associated Method Blank  
 H - Prep or analytical holding time exceeded  
 X - See case narrative

Evergreen Analytical, Inc.

Date: 18-Sep-07

Work Order: 07-6596

Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

TestCode: COND\_W

Sample ID	LCS	SamplType: LCS	TestCode: COND_W	Run ID: COND_070917A	Prep Date: 9/17/2007	Units: µmhos/cm
	Batch ID: R34349	TestNo: SM2510 B	FileID: 47		Analysis Date: 9/17/2007	SeqNo: 611977
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC	LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Specific Conductance	93.8	1.00	100.3	0	93.5	90 110 0 0

## Qualifiers:

U - Not detected at or above the Reporting Limit  
 J - Analyte detected below quantitation limits  
 S - Spike Recovery outside acceptance limits  
 E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits  
 B - Analyte detected in the associated Method Blank  
 H - Prep or analytical holding time exceeded  
 X - See case narrative

Work Order: 07-6596  
Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

TestCode: PH\_DW

Sample ID	LCS-R34298	SamptType: LCS	TestCode: PH_DW	Run ID: PH_070913A	Prep Date: 9/13/2007	Units: pH Units
Batch ID:	R34298	TestNo: E150.1	FileID:		Analysis Date: 9/13/2007	SeqNo: 610843
Analyte	Result	LQ_L	SPK value	SPK Ref Val	%REC	LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
pH	7.96	1.00	8	0	99.5	99.3 100.7 0 0

### Qualifiers:

U - Not detected at or above the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside acceptance limits  
E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits  
B - Analyte detected in the associated Method Blank  
H - Prep or analytical holding time exceeded  
X - See case narrative

Evergreen Analytical, Inc.

Date: 21-Sep-07

Work Order: 07-6596  
 Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

TestCode: TDS\_W

Sample ID: MBLK	SampleType: MBLK	TestCode: TDS_W	Run ID: ANALYTICAL BALANCE_070913A	Prep Date: 9/13/07	Units: mg/L
Batch ID: R34323		TestNo: SM 2540C	FileID: 1	Analysis Date: 9/13/07	SeqNo: 611415
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC Lowlimit Highlimit RPD Ref Val %RPD RPDLimit Qual

Total Dissolved Solids U 10.0

Sample ID: MBLK	SampleType: MBLK	TestCode: TDS_W	Run ID: ANALYTICAL BALANCE_070913A	Prep Date: 9/19/07	Units: mg/L
Batch ID: R34457		TestNo: SM 2540C	FileID: 1	Analysis Date: 9/19/07	SeqNo: 613788
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC Lowlimit Highlimit RPD Ref Val %RPD RPDLimit Qual

Total Dissolved Solids U 10.0

Sample ID: LCS	SampleType: LCS	TestCode: TDS_W	Run ID: ANALYTICAL BALANCE_070913A	Prep Date: 9/13/07	Units: mg/L
Batch ID: R34323		TestNo: SM 2540C	FileID: 2	Analysis Date: 9/13/07	SeqNo: 611416
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC Lowlimit Highlimit RPD Ref Val %RPD RPDLimit Qual

Total Dissolved Solids 398 10.0 400 0 99.5 90 110 0 0

Sample ID: LCS	SampleType: LCS	TestCode: TDS_W	Run ID: ANALYTICAL BALANCE_070919A	Prep Date: 9/19/07	Units: mg/L
Batch ID: R34457		TestNo: SM 2540C	FileID: 2	Analysis Date: 9/19/07	SeqNo: 613789
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC Lowlimit Highlimit RPD Ref Val %RPD RPDLimit Qual

Total Dissolved Solids 390 10.0 400 0 97.5 90 110 0 0

## Qualifiers:

U - Not detected at or above the Reporting Limit  
 J - Analyte detected below quantitation limits  
 S - Spike Recovery outside acceptance limits  
 E - Extrapolated value, value exceeds calibration range.  
 R - RPD outside acceptance limits  
 B - Analyte detected in the associated Method Blank  
 H - Prep or analytical holding time exceeded  
 X - See case narrative

Work Order: 07-6596  
Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

BatchID: 13583

Sample ID: MB-13583	Sample Type: MBLK	Test Code: 200.7_D	Run ID: ICP_070914A	Prep Date: 9/13/07	Units: mg/L
Batch ID: 13583	Test No: E200.7, Rev.	File ID: 091407NA	Analysis Date: 9/14/07	SeqNo: 611742	
Analyte	Result	LQ L	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Sodium	0	0.400			
Sample ID: LCS-13583	Sample Type: LCS	Test Code: 200.7_D	Run ID: ICP_070914A	Prep Date: 9/13/07	Units: mg/L
Batch ID: 13583	Test No: E200.7, Rev.	File ID: 091407NA	Analysis Date: 9/14/07	SeqNo: 611743	
Analyte	Result	LQ L	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Sodium	9.837	0.400	10	0	98.4 80 120 0 0
Sample ID: 07-6596-01CMS	Sample Type: MS	Test Code: 6010_D	Run ID: ICP-OPTIMA 5300 DV_070913B	Prep Date: 9/13/07	Units: mg/L
Client ID: 091207-MW6	Batch ID: 13583	Test No: SW6010B	File ID: 091307PM	Analysis Date: 9/13/07	SeqNo: 611298
Analyte	Result	LQ L	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Sodium	129.4	0.50	12.5	115.3	113 75 125 0 0
Sample ID: 07-6596-01CMSD	Sample Type: MSD	Test Code: 6010_D	Run ID: ICP-OPTIMA 5300 DV_070913B	Prep Date: 9/13/07	Units: mg/L
Client ID: 091207-MW6	Batch ID: 13583	Test No: SW6010B	File ID: 091307PM	Analysis Date: 9/13/07	SeqNo: 611303
Analyte	Result	LQ L	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Sodium	129.3	0.50	12.5	115.3	112 75 125 129.4 0.0996 20

## Qualifiers:

U - Not detected at or above the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside acceptance limits  
E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits  
B - Analyte detected in the associated Method Blank  
H - Prep or analytical holding time exceeded  
X - See case narrative

Evergreen Analytical, Inc.

Date: 17-Sep-07

Work Order: 07-6596

Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

TestCode: ANIONS\_W

Sample ID: METHOD BLANK	SampType: MBLK	TestCode: ANIONS_W	Run ID: IC-DX120_070914A	Prep Date: 9/14/07	Units: mg/L
Batch ID: R34361	TestNo: E300.0	FieldID:		Analysis Date: 9/14/07	SeqNo: 612360
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Chloride U 0.50

Sample ID: METHOD BLK 2	SampType: MBLK	TestCode: ANIONS_W	Run ID: IC-DX120_070914B	Prep Date: 9/14/07	Units: mg/L
Batch ID: R34368	TestNo: E300.0	FieldID:		Analysis Date: 9/14/07	SeqNo: 612313
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Chloride U 0.50

Sample ID: LCS ALLT218024	SampType: LCS	TestCode: ANIONS_W	Run ID: IC-DX120_070914A	Prep Date: 9/14/07	Units: mg/L
Batch ID: R34361	TestNo: E300.0	FieldID:		Analysis Date: 9/14/07	SeqNo: 612359
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Chloride 18.51 1.0 20 0 92.6 90 110 0 0

Sample ID: LCS ALLT218024 2	SampType: LCS	TestCode: ANIONS_W	Run ID: IC-DX120_070914B	Prep Date: 9/14/07	Units: mg/L
Batch ID: R34368	TestNo: E300.0	FieldID:		Analysis Date: 9/14/07	SeqNo: 612312
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Chloride 18.56 1.0 20 0 92.8 90 110 0 0

## Qualifiers:

U - Not detected at or above the Reporting Limit  
 J - Analyte detected below quantitation limits  
 S - Spike Recovery outside acceptance limits  
 E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits  
 B - Analyte detected in the associated Method Blank  
 H - Prep or analytical holding time exceeded  
 X - See case narrative

Evergreen Analytical, Inc.

Date: 17-Sep-07

Work Order: 07-6596  
Client Project ID: 5369

## ANALYTICAL QC SUMMARY REPORT

BatchID: GAS091707

Sample ID: GB091707	Sample Type: MBLK	Test Code: MEEP_W	Run ID: FID4_070917A	Prep Date: 9/17/07	Units: mg/L
Batch ID: GAS091707	Test No: RSKSOP175	File ID: GAS0917004	Analysis Date: 9/17/07	Seq No: 612237	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methane	U	0.00080			
Sample ID: LCS091707	Sample Type: LCS	Test Code: MEEP_W	Run ID: FID4_070917A	Prep Date: 9/17/07	Units: mg/L
Batch ID: GAS091707	Test No: RSKSOP175	File ID: GAS0917005	Analysis Date: 9/17/07	Seq No: 612238	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methane	0.5974	0.0080	0.5094	0	117 70 130 0 0
Sample ID: LCSD091707	Sample Type: LCSD	Test Code: MEEP_W	Run ID: FID4_070917A	Prep Date: 9/17/07	Units: mg/L
Batch ID: GAS091707	Test No: RSKSOP175	File ID: GAS0917006	Analysis Date: 9/17/07	Seq No: 612239	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methane	0.5915	0.0080	0.5094	0	116 70 130 0.5974 0.995 30
Sample ID: 07-6596-16EMS	Sample Type: MS	Test Code: MEEP_W	Run ID: FID4_070917A	Prep Date: 9/17/07	Units: mg/L
Client ID: 091107-MMW15	Batch ID: GAS091707	Test No: RSKSOP175	File ID: GAS0917034	Analysis Date: 9/17/07	Seq No: 612233
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methane	0.5872	0.0080	0.5094	0	115 70 130 0 0
Sample ID: 07-6596-16EMSD	Sample Type: MSD	Test Code: MEEP_W	Run ID: FID4_070917A	Prep Date: 9/17/07	Units: mg/L
Client ID: 091107-MMW15	Batch ID: GAS091707	Test No: RSKSOP175	File ID: GAS0917035	Analysis Date: 9/17/07	Seq No: 612234
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Methane	0.583	0.0080	0.5094	0	114 70 130 0.5872 0.707 30

## Qualifiers:

U - Not detected at or above the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside acceptance limits  
E - Extrapolated value, value exceeds calibration range.

R - RPD outside acceptance limits  
B - Analyte detected in the associated Method Blank  
H - Prep or analytical holding time exceeded  
X - See case narrative



***Pathfinders to Success***

Friday, October 26, 2007

Mr. Dion Plsek  
Cordilleran Compliance Services  
826 21 1/2 Road  
Grand Junction, CO 81505

RE: 5369

Order No.: 0709004

Dear Mr. Dion Plsek:

Vista GeoScience received 1 sample(s) on 9/12/2007 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

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

Sincerely,

Roger Bain  
Senior Chemist



**Date:** 26-Oct-07

**CLIENT:** Cordilleran Compliance Services

**Project:** 5369

**Lab Order:** 0709004

## CASE NARRATIVE

Samples were received on 9/12/07 from Cordilleran and were accompanied by a chain of custody form. The samples and their containers appeared to be in good condition and the chain of custody form was complete and accurate.

All samples were received and analyzed within the EPA recommended holding times.

Samples were analyzed using the methods outlined in the following references:  
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition and  
EPA Methods for Chemical Analysis of Water and Wastes (MCAWW).

Calibration - The laboratory instruments are calibrated using method appropriate standards. On each day project samples are analyzed the instrument calibration is verified using a mid level Continuing Calibration Verification (CCV). Calculations are carried out by the data system to compute the actual concentration of analyte in the original sample.

Method Blanks, Trip Blanks and Instrument Blanks - Blanks are analyzed after each initial calibration, continuing calibration verification, and after samples determined to have high concentrations of analytes to verify system cleanliness. Method blanks are analyzed to verify the cleanliness of procedures requiring sample preparation prior to analysis. Trip blanks are prepared by the laboratory and accompany the samples to verify that there was no contamination during transport.

Surrogate Recoveries - Some methods require the addition of surrogate compounds and are monitored to determine the efficacy of the analyte recovery from the sample matrix. In cases where multiple surrogates are added at least one must be recovered within Quality Control limits for the data to be accepted.

Batch QC - Prior to analysis, the project samples are associated with a QC batch. This batch is then prepared and analyzed along with QC samples prepared at the same time and using the same reagents and standards. The QC samples associated with a sample batch may include Method Blanks (MB), Laboratory Control Samples (LCS), Sample Duplicates (DUP), and Matrix Spikes (MS). The results of the batch QC samples are included in the QC section of the report.

### Analyst Comments:

The method blank for dissolved methane had detectable amount of methane. There was a reportable amount of methane in sample 091107-MW1 and is reported with a B flag.

Roger Bain  
Senior chemist

# Vista GeoScience

Date: 26-Oct-07

CLIENT: Cordilleran Compliance Services  
 Lab Order: 0709004  
 Project: 5369  
 Lab ID: 0709004-001A

Date Received: 9/12/2007

Client Sample 091107-MW1  
 Tag Number:  
 Collection 9/11/2007  
 Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>C1-C6 HYDROCARBONS, DISSOLVED</b>		<b>NLAG108</b>		<b>(NLAG108)</b>		Analyst: <b>EJL</b>
Methane	0.144	0.068	B	µg/L	1	10/19/2007
<b>ICP METALS, DISSOLVED</b>		<b>SW6010B</b>		<b>(SW3005A)</b>		Analyst: <b>Admin</b>
Sodium	189	0.50		mg/L	1	9/19/2007
<b>BTEX/MTBE BY 8260B</b>		<b>SW8260B</b>		<b>(5030B)</b>		Analyst: <b>CJ</b>
Benzene	ND	0.50		µg/L	1	9/17/2007
Ethylbenzene	ND	0.50		µg/L	1	9/17/2007
m,p-Xylene	ND	1.00		µg/L	1	9/17/2007
Methyl tert-butyl ether	ND	0.50		µg/L	1	9/17/2007
o-Xylene	ND	0.50		µg/L	1	9/17/2007
Toluene	ND	0.50		µg/L	1	9/17/2007
Surr: 4-Bromofluorobenzene	103	70-130		%REC	1	9/17/2007
Surr: Dibromofluoromethane	94.7	70-130		%REC	1	9/17/2007
Surr: Toluene-d8	97.7	70-130		%REC	1	9/17/2007
<b>CONDUCTIVITY BY EPA 120.1</b>		<b>E120.1</b>		<b>(E120.1)</b>		Analyst: <b>CJ</b>
Conductivity by EPA 120.1	1110	2.0		µmhos/cm	1	9/12/2007
<b>PH IN WATER BY EPA 150.1</b>		<b>E150.1</b>		<b>(E150.1)</b>		Analyst: <b>CJ</b>
pH SW-846 9045C	7.20	0.10		pH Units	1	9/12/2007
<b>TOTAL DISSOLVED SOLIDS (TDS) BY EPA 160.1</b>		<b>E160.1</b>		<b>(E160.1)</b>		Analyst: <b>CJ</b>
Total Dissolved Solids (Residue, Filterable)	750	10		mg/L	1	9/17/2007
<b>ANIONS SCAN BY 9056</b>		<b>9056 Mod.</b>		<b>(9056 MOD.)</b>		Analyst: <b>RB</b>
Chloride	23.0	1.00		mg/L	1	9/14/2007

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

## Vista GeoScience

26-Oct-07

**Lab Order:** 0709004

**Client:** Cordilleran Compliance Services

**Project:**

## DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0709004-001A	091107-MW1	9/11/2007	Water	Anions Scan by 9056		9/14/2007	9/14/2007
				BTEX/MTBE by 8260B		9/17/2007	9/17/2007
				C1-C6 Hydrocarbons, Dissolved		9/18/2007	9/19/2007
				Conductivity by EPA 120.1		9/12/2007	9/12/2007
				ICP METALS, Dissolved		9/17/2007	9/19/2007
				pH in Water by EPA 150.1		9/12/2007	9/12/2007
				Total Dissolved Solids (TDS) by EPA		9/17/2007	9/17/2007

CLIENT: Cordilleran Compliance Services

Work Order: 0709004

Project:

## ANALYTICAL QC SUMMARY REPORT

TestCode: 120.1

Sample	0709004-001ADUP	SampType	DUP	TestCode:	120.1	Units:	µmhos/cm	Prep Date:	9/12/2007	RunNo:	1251		
Client ID:	091107-MW1	Batch ID:	1084	TestNo:	E120.1		(E120.1)	Analysis	9/12/2007	SeqNo:	13813		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Conductivity by EPA 120.1		1110		2.00						1109	0.0901	0	

**Qualifiers:** E Value above quantitation range  
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

**CLIENT:** Cordilleran Compliance Services  
**Work Order:** 0709004  
**Project:**

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 150.1**

Sample	<b>0709004-001ADUP</b>	SampType	<b>DUP</b>	TestCode:	<b>150.1</b>	Units:	<b>pH Units</b>	Prep Date:	<b>9/12/2007</b>	RunNo:	<b>1249</b>		
Client ID:	<b>091107-MW1</b>	Batch ID:	<b>1082</b>	TestNo:	<b>E150.1</b>		<b>(E150.1)</b>	Analysis	<b>9/12/2007</b>	SeqNo:	<b>13811</b>		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH in Soil by SW-846 9045C		7.220		0.100									

**Qualifiers:** E Value above quantitation range  
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

**CLIENT:** Cordilleran Compliance Services  
**Work Order:** 0709004  
**Project:**

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 160.1**

Sample	<b>MB-1087</b>	SampType	<b>MBLK</b>	TestCode:	<b>160.1</b>	Units:	<b>mg/L</b>	Prep Date:	<b>9/17/2007</b>	RunNo:	<b>1254</b>		
Client ID:	<b>ZZZZZ</b>	Batch ID:	<b>1087</b>	TestNo:	<b>E160.1</b>		<b>(E160.1)</b>	Analysis	<b>9/17/2007</b>	SeqNo:	<b>13818</b>		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue,		ND		10.0									
Sample	<b>0709005-001ADUP</b>	SampType	<b>DUP</b>	TestCode:	<b>160.1</b>	Units:	<b>mg/L</b>	Prep Date:	<b>9/17/2007</b>	RunNo:	<b>1254</b>		
Client ID:	<b>ZZZZZ</b>	Batch ID:	<b>1087</b>	TestNo:	<b>E160.1</b>		<b>(E160.1)</b>	Analysis	<b>9/17/2007</b>	SeqNo:	<b>13821</b>		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue,		538.0		10.0						523	2.83	20	

**Qualifiers:** E Value above quantitation range  
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

**CLIENT:** Cordilleran Compliance Services  
**Work Order:** 0709004  
**Project:**

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260B\_BTEX\_W**

Sample	MB-1083	SampType	MBLK	TestCode:	8260B_BTEX	Units:	µg/L	Prep Date:	9/17/2007	RunNo:	1250			
Client ID:	ZZZZZ	Batch ID:	1083	TestNo:	SW8260B		(5030B)	Analysis	9/17/2007	SeqNo:	13803			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		ND		0.500										
Ethylbenzene		ND		0.500										
m,p-Xylene		ND		1.00										
Methyl tert-butyl ether		ND		0.500										
o-Xylene		ND		0.500										
Toluene		ND		0.500										
Surr: 4-Bromofluorobenzene		10.11		0	10	0		101	70	130				
Surr: Dibromofluoromethane		10.07		0	10	0		101	70	130				
Surr: Toluene-d8		10.06		0	10	0		101	70	130				

Sample	LCS-1083	SampType	LCS	TestCode:	8260B_BTEX	Units:	µg/L	Prep Date:	9/17/2007	RunNo:	1250			
Client ID:	ZZZZZ	Batch ID:	1083	TestNo:	SW8260B		(5030B)	Analysis	9/17/2007	SeqNo:	13804			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		10.11		0.500	10	0		101	70	130				
Ethylbenzene		10.01		0.500	10	0		100	70	130				
m,p-Xylene		20.49		1.00	20	0		102	70	130				
Methyl tert-butyl ether		9.770		0.500	10	0		97.7	70	130				
o-Xylene		10.11		0.500	10	0		101	70	130				
Toluene		9.425		0.500	10	0		94.3	70	130				
Surr: 4-Bromofluorobenzene		9.537		0	10	0		95.4	70	130				
Surr: Dibromofluoromethane		9.685		0	10	0		96.9	70	130				
Surr: Toluene-d8		9.683		0	10	0		96.8	70	130				

Sample	0709004-001AMS	SampType	MS	TestCode:	8260B_BTEX	Units:	µg/L	Prep Date:	9/17/2007	RunNo:	1250			
Client ID:	091107-MW1	Batch ID:	1083	TestNo:	SW8260B		(5030B)	Analysis	9/17/2007	SeqNo:	13807			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		10.20		0.500	10	0		102	70	130				
Ethylbenzene		9.806		0.500	10	0		98.1	70	130				

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits  
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

**CLIENT:** Cordilleran Compliance Services  
**Work Order:** 0709004  
**Project:**

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260B\_BTEX\_W**

Sample <b>0709004-001AMS</b>	SampType <b>MS</b>	TestCode: <b>8260B_BTEX</b> Units: <b>µg/L</b>	Prep Date: <b>9/17/2007</b>	RunNo: <b>1250</b>
Client ID: <b>091107-MW1</b>	Batch ID: <b>1083</b>	TestNo: <b>SW8260B (5030B)</b>	Analysis <b>9/17/2007</b>	SeqNo: <b>13807</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	19.40	1.00	20	0	97.0	70	130				
Methyl tert-butyl ether	9.886	0.500	10	0	98.9	70	130				
o-Xylene	9.518	0.500	10	0	95.2	70	130				
Toluene	9.736	0.500	10	0	97.4	70	130				
Surr: 4-Bromofluorobenzene	9.872	0	10	0	98.7	70	130				
Surr: Dibromofluoromethane	9.944	0	10	0	99.4	70	130				
Surr: Toluene-d8	10.08	0	10	0	101	70	130				

Sample <b>0709004-001ADUP</b>	SampType <b>DUP</b>	TestCode: <b>8260B_BTEX</b> Units: <b>µg/L</b>	Prep Date: <b>9/17/2007</b>	RunNo: <b>1250</b>
Client ID: <b>091107-MW1</b>	Batch ID: <b>1083</b>	TestNo: <b>SW8260B (5030B)</b>	Analysis <b>9/17/2007</b>	SeqNo: <b>13806</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.500						0	0	30	
Ethylbenzene	ND	0.500						0	0	30	
m,p-Xylene	ND	1.00						0	0	30	
Methyl tert-butyl ether	ND	0.500						0	0	30	
o-Xylene	ND	0.500						0	0	30	
Toluene	ND	0.500						0	0	30	
Surr: 4-Bromofluorobenzene	10.94	0	10	0	109	70	130	0	0	0	
Surr: Dibromofluoromethane	9.654	0	10	0	96.5	70	130	0	0	0	
Surr: Toluene-d8	9.746	0	10	0	97.5	70	130	0	0	0	

**Qualifiers:** E Value above quantitation range  
 ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits



**CLIENT:** Cordilleran Compliance Services  
**Work Order:** 0709004  
**Project:**

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 9056 M**

Sample	MB-1081	SampType	MBLK	TestCode:	9056 M	Units:	mg/L	Prep Date:	9/14/2007	RunNo:	1248		
Client ID:	ZZZZZ	Batch ID:	1081	TestNo:	9056 Mod.		(9056 Mod.)	Analysis	9/14/2007	SeqNo:	13792		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride		ND		1.00									
Sample	LCS-1081	SampType	LCS	TestCode:	9056 M	Units:	mg/L	Prep Date:	9/14/2007	RunNo:	1248		
Client ID:	ZZZZZ	Batch ID:	1081	TestNo:	9056 Mod.		(9056 Mod.)	Analysis	9/14/2007	SeqNo:	13793		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride		18.26		1.00	20	0	91.3	80	120				
Sample	0709004-001ADUP	SampType	DUP	TestCode:	9056 M	Units:	mg/L	Prep Date:	9/14/2007	RunNo:	1248		
Client ID:	091107-MW1	Batch ID:	1081	TestNo:	9056 Mod.		(9056 Mod.)	Analysis	9/14/2007	SeqNo:	13795		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride		23.40		1.00						23.01	1.67	20	

**Qualifiers:** E Value above quantitation range  
 ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

**CLIENT:** Cordilleran Compliance Services  
**Work Order:** 0709004  
**Project:**

## ANALYTICAL QC SUMMARY REPORT

**TestCode: C1\_C6\_DISSW**

Sample	MB-1098	SampType	MBLK	TestCode:	C1_C6_DISS	Units:	µg/L	Prep Date:	9/18/2007	RunNo:	1272			
Client ID:	ZZZZZ	Batch ID:	1098	TestNo:	NLAG108		(NLAG108)	Analysis	10/19/2007	SeqNo:	14115			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane		0.1790		0.0680										

Sample	0709004-001ADUP	SampType	DUP	TestCode:	C1_C6_DISS	Units:	µg/L	Prep Date:	9/18/2007	RunNo:	1272			
Client ID:	091107-MW1	Batch ID:	1098	TestNo:	NLAG108		(NLAG108)	Analysis	10/19/2007	SeqNo:	14118			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane		ND		0.0680										

**Qualifiers:** E Value above quantitation range  
 ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

**CLIENT:** Cordilleran Compliance Services  
**Work Order:** 0709004  
**Project:**

## ANALYTICAL QC SUMMARY REPORT

**TestCode:** ICP\_DW

Sample	MB-1095	SampType	MBLK	TestCode:	ICP_DW	Units:	mg/L	Prep Date:	9/17/2007	RunNo:	1267		
Client ID:	ZZZZZ	Batch ID:	1095	TestNo:	SW6010B		(SW3005A)	Analysis	9/19/2007	SeqNo:	14038		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium		ND		0.500									
Sample	LCS-1095	SampType	LCS	TestCode:	ICP_DW	Units:	mg/L	Prep Date:	9/17/2007	RunNo:	1267		
Client ID:	ZZZZZ	Batch ID:	1095	TestNo:	SW6010B		(SW3005A)	Analysis	9/19/2007	SeqNo:	14039		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium		9.800		0.500	10	0	98.0	80	120				
Sample	0709004-001AMS	SampType	MS	TestCode:	ICP_DW	Units:	mg/L	Prep Date:	9/17/2007	RunNo:	1267		
Client ID:	091107-MW1	Batch ID:	1095	TestNo:	SW6010B		(SW3005A)	Analysis	9/19/2007	SeqNo:	14042		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium		198.0		0.500	10	189	90.0	75	125				
Sample	0709004-001AMSD	SampType	MS	TestCode:	ICP_DW	Units:	mg/L	Prep Date:	9/17/2007	RunNo:	1267		
Client ID:	091107-MW1	Batch ID:	1095	TestNo:	SW6010B		(SW3005A)	Analysis	9/19/2007	SeqNo:	14043		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium		199.0		0.500	10	189	100	75	125	198	0.504	0	

**Qualifiers:** E Value above quantitation range  
 ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

\*Rush analysis subject to additional fee

## Analyses

[illegible]

W.O. #	Seats Present	Y/N/A
B.O.F. #	✓	Y/N/A
C/S (O)	✓	Y/N/A
C/S (I)	✓	Y/N/A
Temp C	By	



***Pathfinders to Success***

Friday, October 26, 2007

Mr. Dion Plsek  
Cordilleran Compliance Services  
826 21 1/2 Road  
Grand Junction, CO 81505

RE: 5369

Order No.: 0709005

Dear Mr. Dion Plsek:

Vista GeoScience received 1 sample(s) on 9/14/2007 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

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

Sincerely,

Roger Bain  
Senior Chemist

**Date:** 26-Oct-07

**CLIENT:** Cordilleran Compliance Services

**Project:** 5369

**Lab Order:** 0709005

## CASE NARRATIVE

Samples were received on 9/14/07 from Cordilleran Compliance and were accompanied by a chain of custody form. The samples and their container appeared to be in good condition and the chain of custody form was complete and accurate.

All samples were received and analyzed within the EPA recommended holding times.

Samples were analyzed using the methods outlined in the following references:  
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition and  
EPA Methods for Chemical Analysis of Water and Wastes (MCAWW).

Calibration - The laboratory instruments are calibrated using method appropriate standards. On each day project samples are analyzed the instrument calibration is verified using a mid level Continuing Calibration Verification (CCV). Calculations are carried out by the data system to compute the actual concentration of analyte in the original sample.

Method Blanks, Trip Blanks and Instrument Blanks - Blanks are analyzed after each initial calibration, continuing calibration verification, and after samples determined to have high concentrations of analytes to verify system cleanliness. Method blanks are analyzed to verify the cleanliness of procedures requiring sample preparation prior to analysis. Trip blanks are prepared by the laboratory and accompany the samples to verify that there was no contamination during transport.

Surrogate Recoveries - Some methods require the addition of surrogate compounds and are monitored to determine the efficacy of the analyte recovery from the sample matrix. In cases where multiple surrogates are added at least one must be recovered within Quality Control limits for the data to be accepted.

Batch QC - Prior to analysis, the project samples are associated with a QC batch. This batch is then prepared and analyzed along with QC samples prepared at the same time and using the same reagents and standards. The QC samples associated with a sample batch may include Method Blanks (MB), Laboratory Control Samples (LCS), Sample Duplicates (DUP), and Matrix Spikes (MS). The results of the batch QC samples are included in the QC section of the report.

Analyst Comments:

Roger Bain  
Senior Chemist

# Vista GeoScience

Date: 26-Oct-07

CLIENT: Cordilleran Compliance Services  
 Lab Order: 0709005  
 Project: 5369  
 Lab ID: 0709005-001A

Date Received: 9/14/2007

Client Sample 091307-DCS8  
 Tag Number:  
 Collection 9/13/2007  
 Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>C1-C6 HYDROCARBONS, DISSOLVED</b>		<b>NLAG108</b>		<b>(NLAG108)</b>		Analyst: <b>EJL</b>
Methane	4.80	0.068		µg/L	1	10/19/2007
<b>ICP METALS, DISSOLVED</b>		<b>SW6010B</b>		<b>(SW3005A)</b>		Analyst: <b>Admin</b>
Sodium	95.7	2.50		mg/L	1	9/19/2007
<b>BTEX/MTBE BY 8260B</b>		<b>SW8260B</b>		<b>(5030B)</b>		Analyst: <b>CJ</b>
Benzene	ND	0.50		µg/L	1	9/17/2007
Ethylbenzene	ND	0.50		µg/L	1	9/17/2007
m,p-Xylene	ND	1.00		µg/L	1	9/17/2007
Methyl tert-butyl ether	ND	0.50		µg/L	1	9/17/2007
o-Xylene	ND	0.50		µg/L	1	9/17/2007
Toluene	ND	0.50		µg/L	1	9/17/2007
Surr: 4-Bromofluorobenzene	100	70-130		%REC	1	9/17/2007
Surr: Dibromofluoromethane	97.9	70-130		%REC	1	9/17/2007
Surr: Toluene-d8	98.1	70-130		%REC	1	9/17/2007
<b>CONDUCTIVITY BY EPA 120.1</b>		<b>E120.1</b>		<b>(E120.1)</b>		Analyst: <b>CJ</b>
Conductivity by EPA 120.1	960	2.0		µmhos/cm	1	9/14/2007
<b>PH IN WATER BY EPA 150.1</b>		<b>E150.1</b>		<b>(E150.1)</b>		Analyst: <b>CJ</b>
pH by SW-846 9045C	8.26	0.10		pH Units	1	9/14/2007
<b>TOTAL DISSOLVED SOLIDS (TDS) BY EPA 160.1</b>		<b>E160.1</b>		<b>(E160.1)</b>		Analyst: <b>CJ</b>
Total Dissolved Solids (Residue, Filterable)	523	10		mg/L	1	9/17/2007
<b>ANIONS SCAN BY 9056</b>		<b>9056 Mod.</b>		<b>(9056 MOD.)</b>		Analyst: <b>RB</b>
Chloride	20.0	1.00		mg/L	1	9/14/2007

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

**Lab Order:** 0709005  
**Client:** Cordilleran Compliance Services  
**Project:** 5369

**DATES REPORT**

<b>Sample ID</b>	<b>Client Sample ID</b>	<b>Collection Date</b>	<b>Matrix</b>	<b>Test Name</b>	<b>TCLP Date</b>	<b>Prep Date</b>	<b>Analysis Date</b>
0709005-001A	091307-DCS8	9/13/2007	Water	Anions Scan by 9056		9/14/2007	9/14/2007
				BTEX/MTBE by 8260B		9/17/2007	9/17/2007
				C1-C6 Hydrocarbons, Dissolved		9/18/2007	9/19/2007
				Conductivity by EPA 120.1		9/14/2007	9/14/2007
				ICP METALS, Dissolved		9/19/2007	9/19/2007
				pH in Water by EPA 150.1		9/14/2007	9/14/2007
				Total Dissolved Solids (TDS) by EPA		9/17/2007	9/17/2007



CLIENT: Cordilleran Compliance Services  
Work Order: 0709005  
Project: 5369

ANALYTICAL QC SUMMARY REPORT

TestCode: 120.1

Sample	0709005-001ADUP	SampType	DUP	TestCode:	120.1	Units:	µmhos/cm	Prep Date:	9/14/2007	RunNo:	1253		
Client ID:	091307-DCS8	Batch ID:	1086	TestNo:	E120.1		(E120.1)	Analysis	9/14/2007	SeqNo:	13817		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Conductivity by EPA 120.1		961.0		2.00						960	0.104	0	

**CLIENT:** Cordilleran Compliance Services  
**Work Order:** 0709005  
**Project:** 5369

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 150.1**

Sample	<b>0709005-001ADUP</b>	SampType	<b>DUP</b>	TestCode:	<b>150.1</b>	Units:	<b>pH Units</b>	Prep Date:	<b>9/14/2007</b>	RunNo:	<b>1252</b>		
Client ID:	<b>091307-DCS8</b>	Batch ID:	<b>1085</b>	TestNo:	<b>E150.1</b>		<b>(E150.1)</b>	Analysis	<b>9/14/2007</b>	SeqNo:	<b>14229</b>		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH by SW-846 9045C		8.340		0.100						8.26	0.964	20	

**Qualifiers:** E Value above quantitation range  
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

**CLIENT:** Cordilleran Compliance Services  
**Work Order:** 0709005  
**Project:** 5369

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 160.1**

Sample <b>MB-1087</b>	SampType <b>MBLK</b>	TestCode: <b>160.1</b>	Units: <b>mg/L</b>	Prep Date: <b>9/17/2007</b>	RunNo: <b>1254</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>1087</b>	TestNo: <b>E160.1</b>	<b>(E160.1)</b>	Analysis <b>9/17/2007</b>	SeqNo: <b>13818</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue,	ND	10.0									

Sample <b>0709005-001ADUP</b>	SampType <b>DUP</b>	TestCode: <b>160.1</b>	Units: <b>mg/L</b>	Prep Date: <b>9/17/2007</b>	RunNo: <b>1254</b>						
Client ID: <b>091307-DCS8</b>	Batch ID: <b>1087</b>	TestNo: <b>E160.1</b>	<b>(E160.1)</b>	Analysis <b>9/17/2007</b>	SeqNo: <b>13821</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue,	538.0	10.0						523	2.83	20	

**Qualifiers:** E Value above quantitation range  
 ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

**CLIENT:** Cordilleran Compliance Services  
**Work Order:** 0709005  
**Project:** 5369

## ANALYTICAL QC SUMMARY REPORT

**TestCode:** 8260B\_BTEX\_W

Sample	<b>MB-1083</b>	SampType	<b>MBLK</b>	TestCode:	<b>8260B_BTEX</b>	Units:	<b>µg/L</b>	Prep Date:	<b>9/17/2007</b>	RunNo:	<b>1250</b>
Client ID:	<b>ZZZZZ</b>	Batch ID:	<b>1083</b>	TestNo:	<b>SW8260B</b>		<b>(5030B)</b>	Analysis	<b>9/17/2007</b>	SeqNo:	<b>13803</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.500									
Ethylbenzene	ND	0.500									
m,p-Xylene	ND	1.00									
Methyl tert-butyl ether	ND	0.500									
o-Xylene	ND	0.500									
Toluene	ND	0.500									
Surr: 4-Bromofluorobenzene	10.11	0	10	0	101	70	130				
Surr: Dibromofluoromethane	10.07	0	10	0	101	70	130				
Surr: Toluene-d8	10.06	0	10	0	101	70	130				

Sample	<b>LCS-1083</b>	SampType	<b>LCS</b>	TestCode:	<b>8260B_BTEX</b>	Units:	<b>µg/L</b>	Prep Date:	<b>9/17/2007</b>	RunNo:	<b>1250</b>
Client ID:	<b>ZZZZZ</b>	Batch ID:	<b>1083</b>	TestNo:	<b>SW8260B</b>		<b>(5030B)</b>	Analysis	<b>9/17/2007</b>	SeqNo:	<b>13804</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	10.11	0.500	10	0	101	70	130				
Ethylbenzene	10.01	0.500	10	0	100	70	130				
m,p-Xylene	20.49	1.00	20	0	102	70	130				
Methyl tert-butyl ether	9.770	0.500	10	0	97.7	70	130				
o-Xylene	10.11	0.500	10	0	101	70	130				
Toluene	9.425	0.500	10	0	94.3	70	130				
Surr: 4-Bromofluorobenzene	9.537	0	10	0	95.4	70	130				
Surr: Dibromofluoromethane	9.685	0	10	0	96.9	70	130				
Surr: Toluene-d8	9.683	0	10	0	96.8	70	130				

Sample	<b>0709004-001AMS</b>	SampType	<b>MS</b>	TestCode:	<b>8260B_BTEX</b>	Units:	<b>µg/L</b>	Prep Date:	<b>9/17/2007</b>	RunNo:	<b>1250</b>
Client ID:	<b>ZZZZZ</b>	Batch ID:	<b>1083</b>	TestNo:	<b>SW8260B</b>		<b>(5030B)</b>	Analysis	<b>9/17/2007</b>	SeqNo:	<b>13807</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	10.20	0.500	10	0	102	70	130				
Ethylbenzene	9.806	0.500	10	0	98.1	70	130				

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits  
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

**CLIENT:** Cordilleran Compliance Services  
**Work Order:** 0709005  
**Project:** 5369

## ANALYTICAL QC SUMMARY REPORT

**TestCode:** 8260B\_BTEX\_W

Sample <b>0709004-001AMS</b>	SampType <b>MS</b>	TestCode: <b>8260B_BTEX</b> Units: <b>µg/L</b>	Prep Date: <b>9/17/2007</b>	RunNo: <b>1250</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>1083</b>	TestNo: <b>SW8260B (5030B)</b>	Analysis <b>9/17/2007</b>	SeqNo: <b>13807</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	19.40	1.00	20	0	97.0	70	130				
Methyl tert-butyl ether	9.886	0.500	10	0	98.9	70	130				
o-Xylene	9.518	0.500	10	0	95.2	70	130				
Toluene	9.736	0.500	10	0	97.4	70	130				
Surr: 4-Bromofluorobenzene	9.872	0	10	0	98.7	70	130				
Surr: Dibromofluoromethane	9.944	0	10	0	99.4	70	130				
Surr: Toluene-d8	10.08	0	10	0	101	70	130				

Sample <b>0709004-001ADUP</b>	SampType <b>DUP</b>	TestCode: <b>8260B_BTEX</b> Units: <b>µg/L</b>	Prep Date: <b>9/17/2007</b>	RunNo: <b>1250</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>1083</b>	TestNo: <b>SW8260B (5030B)</b>	Analysis <b>9/17/2007</b>	SeqNo: <b>13806</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.500						0	0	30	
Ethylbenzene	ND	0.500						0	0	30	
m,p-Xylene	ND	1.00						0	0	30	
Methyl tert-butyl ether	ND	0.500						0	0	30	
o-Xylene	ND	0.500						0	0	30	
Toluene	ND	0.500						0	0	30	
Surr: 4-Bromofluorobenzene	10.94	0	10	0	109	70	130	0	0	0	
Surr: Dibromofluoromethane	9.654	0	10	0	96.5	70	130	0	0	0	
Surr: Toluene-d8	9.746	0	10	0	97.5	70	130	0	0	0	

**Qualifiers:** E Value above quantitation range  
 ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

**CLIENT:** Cordilleran Compliance Services  
**Work Order:** 0709005  
**Project:** 5369

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 9056 M**

Sample	MB-1081	SampType	MBLK	TestCode:	9056 M	Units:	mg/L	Prep Date:	9/14/2007	RunNo:	1248		
Client ID:	ZZZZZ	Batch ID:	1081	TestNo:	9056 Mod.		(9056 Mod.)	Analysis	9/14/2007	SeqNo:	13792		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride		ND		1.00									
Sample	LCS-1081	SampType	LCS	TestCode:	9056 M	Units:	mg/L	Prep Date:	9/14/2007	RunNo:	1248		
Client ID:	ZZZZZ	Batch ID:	1081	TestNo:	9056 Mod.		(9056 Mod.)	Analysis	9/14/2007	SeqNo:	13793		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride		18.26		1.00	20	0	91.3	80	120				
Sample	0709004-001ADUP	SampType	DUP	TestCode:	9056 M	Units:	mg/L	Prep Date:	9/14/2007	RunNo:	1248		
Client ID:	ZZZZZ	Batch ID:	1081	TestNo:	9056 Mod.		(9056 Mod.)	Analysis	9/14/2007	SeqNo:	13795		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride		23.40		1.00						23.01	1.67	20	

**Qualifiers:** E Value above quantitation range  
 ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

**CLIENT:** Cordilleran Compliance Services  
**Work Order:** 0709005  
**Project:** 5369

## ANALYTICAL QC SUMMARY REPORT

**TestCode:** C1\_C6\_DISSW

Sample	<b>MB-1098</b>	SampType	<b>MBLK</b>	TestCode:	<b>C1_C6_DISS</b>	Units:	<b>µg/L</b>	Prep Date:	<b>9/18/2007</b>	RunNo:	<b>1272</b>
Client ID:	<b>ZZZZZ</b>	Batch ID:	<b>1098</b>	TestNo:	<b>NLAG108</b>		<b>(NLAG108)</b>	Analysis	<b>10/19/2007</b>	SeqNo:	<b>14115</b>
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val
Methane		0.1790		0.0680							

Sample	<b>0709004-001ADUP</b>	SampType	<b>DUP</b>	TestCode:	<b>C1_C6_DISS</b>	Units:	<b>µg/L</b>	Prep Date:	<b>9/18/2007</b>	RunNo:	<b>1272</b>
Client ID:	<b>ZZZZZ</b>	Batch ID:	<b>1098</b>	TestNo:	<b>NLAG108</b>		<b>(NLAG108)</b>	Analysis	<b>10/19/2007</b>	SeqNo:	<b>14118</b>
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val
Methane		ND		0.0680							

**Qualifiers:** E Value above quantitation range  
 ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

**CLIENT:** Cordilleran Compliance Services  
**Work Order:** 0709005  
**Project:** 5369

## ANALYTICAL QC SUMMARY REPORT

**TestCode:** ICP\_DW

Sample	MB-1096	SampType	MBLK	TestCode:	ICP_DW	Units:	mg/L	Prep Date:	9/19/2007	RunNo:	1268		
Client ID:	ZZZZZ	Batch ID:	1096	TestNo:	SW6010B		(SW3005A)	Analysis	9/19/2007	SeqNo:	14044		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium		ND		0.500									
Sample	LCS-1096	SampType	LCS	TestCode:	ICP_DW	Units:	mg/L	Prep Date:	9/19/2007	RunNo:	1268		
Client ID:	ZZZZZ	Batch ID:	1096	TestNo:	SW6010B		(SW3005A)	Analysis	9/19/2007	SeqNo:	14045		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium		11.10		0.500	10	0	111	80	120				

**Qualifiers:** E Value above quantitation range  
 ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits







# ISOTECH®

Web Page [www.isotechlabs.com](http://www.isotechlabs.com)Email [mail@isotechlabs.com](mailto:mail@isotechlabs.com)

Isotech Laboratories, Inc. 1308 Parkland Court, Champaign IL 61821-1826 Telephone (217) 398-3490 Fax (217) 398-3493

Lab #: 123792 Job #: 8851  
Sample Name/Number: 091207-MW2  
Company: Cordilleran Compliance Services  
Date Sampled: 9/12/2007  
Container: Dissolved Gas Bottle  
Field/Site Name: Project 5369  
Location:  
Formation/Depth:  
Sampling Point:  
Date Received: 9/13/2007 Date Reported: 10/11/2007

Component	Chemical				
	Chemical mol. %	Air Free vol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd	nd			
Hydrogen Sulfide -----	nd	nd			
Helium -----	nd	nd			
Hydrogen -----	nd	nd			
Argon -----	0.21	0.11			
Oxygen -----	2.43				
Nitrogen -----	11.96	3.28			
Carbon Dioxide -----	3.74	4.23			
Methane -----	68.65	77.65	-40.37	-181.3	
Ethane -----	8.81	9.97	-28.22		
Ethylene -----	nd	nd			
Propane -----	3.08	3.48	-25.53		
Iso-butane -----	0.42	0.48			
N-butane -----	0.43	0.49			
Iso-pentane -----	0.12	0.14			
N-pentane -----	0.057	0.065			
Hexanes + -----	0.096	0.11			

Total BTU/cu.ft. dry @ 60deg F &amp; 14.7psia, calculated: 970

Specific gravity, calculated: 0.745

**Remarks:**

Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.64

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100 percent. Mol. % is approximately equal to vol. %



# ISOTECH®

Web Page [www.isotechlabs.com](http://www.isotechlabs.com)Email [mail@isotechlabs.com](mailto:mail@isotechlabs.com)

Isotech Laboratories, Inc. 1308 Parkland Court, Champaign IL 61821-1826 Telephone (217) 398-3490 Fax (217) 398-3493

Lab #: 123793 Job #: 8851  
Sample Name/Number: 091207-MW16  
Company: Cordilleran Compliance Services  
Date Sampled: 9/12/2007  
Container: Dissolved Gas Bottle  
Field/Site Name: Project 5369  
Location:  
Formation/Depth:  
Sampling Point:  
Date Received: 9/13/2007 Date Reported: 10/11/2007

Component	Chemical				
	Chemical mol. %	Air Free vol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd	nd			
Hydrogen Sulfide -----	nd	nd			
Helium -----	nd	nd			
Hydrogen -----	nd	nd			
Argon -----	1.46	1.71			
Oxygen -----	6.77				
Nitrogen -----	78.60	78.85			
Carbon Dioxide -----	1.64	2.42			
Methane -----	10.61	15.67	-39.21	-183.7	
Ethane -----	0.91	1.34			
Ethylene -----	nd	nd			
Propane -----	nd	nd			
Iso-butane -----	nd	nd			
N-butane -----	nd	nd			
Iso-pentane -----	nd	nd			
N-pentane -----	nd	nd			
Hexanes + -----	0.010	0.015			

Total BTU/cu.ft. dry @ 60deg F &amp; 14.7psia, calculated: 124

Specific gravity, calculated: 0.949

**Remarks:**

Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.74

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100 percent. Mol. % is approximately equal to vol. %



# ISOTECH®

Web Page [www.isotechlabs.com](http://www.isotechlabs.com)Email [mail@isotechlabs.com](mailto:mail@isotechlabs.com)

Isotech Laboratories, Inc. 1308 Parkland Court, Champaign IL 61821-1826 Telephone (217) 398-3490 Fax (217) 398-3493

Lab #: 123794 Job #: 8851  
Sample Name/Number: 091207-MW18  
Company: Cordilleran Compliance Services  
Date Sampled: 9/12/2007  
Container: Dissolved Gas Bottle  
Field/Site Name: Project 5369  
Location:  
Formation/Depth:  
Sampling Point:  
Date Received: 9/13/2007 Date Reported: 10/11/2007

Component	Chemical				
	Chemical mol. %	Air Free vol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd	nd			
Hydrogen Sulfide -----	nd	nd			
Helium -----	nd	nd			
Hydrogen -----	nd	nd			
Argon -----	1.64	2.06			
Oxygen -----	7.79				
Nitrogen -----	81.94	84.21			
Carbon Dioxide -----	8.49	13.51			
Methane -----	0.14	0.22			
Ethane -----	nd	nd			
Ethylene -----	nd	nd			
Propane -----	nd	nd			
Iso-butane -----	nd	nd			
N-butane -----	nd	nd			
Iso-pentane -----	nd	nd			
N-pentane -----	nd	nd			
Hexanes + -----	nd	nd			

Total BTU/cu.ft. dry @ 60deg F &amp; 14.7psia, calculated: 1

Specific gravity, calculated: 1.031

**Remarks:**

Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.78

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100 percent. Mol. % is approximately equal to vol. %



# ISOTECH®

Web Page [www.isotechlabs.com](http://www.isotechlabs.com)Email [mail@isotechlabs.com](mailto:mail@isotechlabs.com)

Isotech Laboratories, Inc. 1308 Parkland Court, Champaign IL 61821-1826 Telephone (217) 398-3490 Fax (217) 398-3493

Lab #: 123795 Job #: 8851  
Sample Name/Number: 091207-DC52  
Company: Cordilleran Compliance Services  
Date Sampled: 9/12/2007  
Container: Dissolved Gas Bottle  
Field/Site Name: Project 5369  
Location:  
Formation/Depth:  
Sampling Point:  
Date Received: 9/13/2007 Date Reported: 10/11/2007

Component	Chemical				
	Chemical mol. %	Air Free vol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	0.10	7.04			
Hydrogen Sulfide -----	nd	nd			
Helium -----	nd	nd			
Hydrogen -----	nd	nd			
Argon -----	1.32	4.66			
Oxygen -----	28.11				
Nitrogen -----	69.22	nd			
Carbon Dioxide -----	0.88	61.92			
Methane -----	0.33	23.21			
Ethane -----	0.031	2.18			
Ethylene -----	nd	nd			
Propane -----	0.014	0.99			
Iso-butane -----	nd	nd			
N-butane -----	nd	nd			
Iso-pentane -----	nd	nd			
N-pentane -----	nd	nd			
Hexanes + -----	nd	nd			

Total BTU/cu.ft. dry @ 60deg F &amp; 14.7psia, calculated: 5

Specific gravity, calculated: 1.015

**Remarks:**

Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.76

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100 percent. Mol. % is approximately equal to vol. %



# ISOTECH®

Web Page [www.isotechlabs.com](http://www.isotechlabs.com)Email [mail@isotechlabs.com](mailto:mail@isotechlabs.com)

Isotech Laboratories, Inc. 1308 Parkland Court, Champaign IL 61821-1826 Telephone (217) 398-3490 Fax (217) 398-3493

Lab #: 123796 Job #: 8851  
Sample Name/Number: 091207-DC53  
Company: Cordilleran Compliance Services  
Date Sampled: 9/12/2007  
Container: Dissolved Gas Bottle  
Field/Site Name: Project 5369  
Location:  
Formation/Depth:  
Sampling Point:  
Date Received: 9/13/2007 Date Reported: 10/11/2007

Component	Chemical				
	Chemical mol. %	Air Free vol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	0.08	5.86			
Hydrogen Sulfide -----	nd	nd			
Helium -----	nd	nd			
Hydrogen -----	nd	nd			
Argon -----	1.32	3.02			
Oxygen -----	28.67				
Nitrogen -----	68.69	nd			
Carbon Dioxide -----	1.10	80.51			
Methane -----	0.13	9.51			
Ethane -----	0.011	0.81			
Ethylene -----	nd	nd			
Propane -----	0.0040	0.29			
Iso-butane -----	nd	nd			
N-butane -----	nd	nd			
Iso-pentane -----	nd	nd			
N-pentane -----	nd	nd			
Hexanes + -----	nd	nd			

Total BTU/cu.ft. dry @ 60deg F &amp; 14.7psia, calculated: 2

Specific gravity, calculated: 1.018

**Remarks:**

Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.64

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100 percent. Mol. % is approximately equal to vol. %



# ISOTECH®

Web Page [www.isotechlabs.com](http://www.isotechlabs.com)Email [mail@isotechlabs.com](mailto:mail@isotechlabs.com)

Isotech Laboratories, Inc. 1308 Parkland Court, Champaign IL 61821-1826 Telephone (217) 398-3490 Fax (217) 398-3493

Lab #: 123797 Job #: 8851  
Sample Name/Number: 091207-MW4  
Company: Cordilleran Compliance Services  
Date Sampled: 9/12/2007  
Container: Dissolved Gas Bottle  
Field/Site Name: Project 5369  
Location:  
Formation/Depth:  
Sampling Point:  
Date Received: 9/13/2007 Date Reported: 10/11/2007

Component	Chemical				
	Chemical mol. %	Air Free vol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd	nd			
Hydrogen Sulfide -----	nd	nd			
Helium -----	nd	nd			
Hydrogen -----	nd	nd			
Argon -----	0.22	0.093			
Oxygen -----	3.17				
Nitrogen -----	14.30	2.92			
Carbon Dioxide -----	1.76	2.07			
Methane -----	67.99	80.12	-40.17	-191.7	
Ethane -----	8.13	9.58	-28.60		
Ethylene -----	nd	nd			
Propane -----	3.09	3.64	-26.24		
Iso-butane -----	0.46	0.54			
N-butane -----	0.56	0.66			
Iso-pentane -----	0.13	0.15			
N-pentane -----	0.085	0.10			
Hexanes + -----	0.11	0.13			

Total BTU/cu.ft. dry @ 60deg F &amp; 14.7psia, calculated: 960

Specific gravity, calculated: 0.740

**Remarks:**

Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.57

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100 percent. Mol. % is approximately equal to vol. %



# ISOTECH®

Web Page [www.isotechlabs.com](http://www.isotechlabs.com)Email [mail@isotechlabs.com](mailto:mail@isotechlabs.com)

Isotech Laboratories, Inc. 1308 Parkland Court, Champaign IL 61821-1826 Telephone (217) 398-3490 Fax (217) 398-3493

Lab #: 123798 Job #: 8851  
Sample Name/Number: 091207-MW14  
Company: Cordilleran Compliance Services  
Date Sampled: 9/12/2007  
Container: Dissolved Gas Bottle  
Field/Site Name: Project 5369  
Location:  
Formation/Depth:  
Sampling Point:  
Date Received: 9/13/2007 Date Reported: 10/11/2007

Component	Chemical				
	Chemical mol. %	Air Free vol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd	nd			
Hydrogen Sulfide -----	nd	nd			
Helium -----	nd	nd			
Hydrogen -----	nd	nd			
Argon -----	0.93	0.93			
Oxygen -----	0.35				
Nitrogen -----	43.71	43.12			
Carbon Dioxide -----	12.12	12.33			
Methane -----	37.98	38.63	-40.80	-187.5	
Ethane -----	3.73	3.79			
Ethylene -----	nd	nd			
Propane -----	0.94	0.96			
Iso-butane -----	0.082	0.083			
N-butane -----	0.089	0.091			
Iso-pentane -----	0.021	0.021			
N-pentane -----	0.010	0.010			
Hexanes + -----	0.034	0.035			

Total BTU/cu.ft. dry @ 60deg F &amp; 14.7psia, calculated: 483

Specific gravity, calculated: 0.892

**Remarks:**

Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.74

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100 percent. Mol. % is approximately equal to vol. %





# ISOTECH®

Web Page [www.isotechlabs.com](http://www.isotechlabs.com)Email [mail@isotechlabs.com](mailto:mail@isotechlabs.com)

Isotech Laboratories, Inc. 1308 Parkland Court, Champaign IL 61821-1826 Telephone (217) 398-3490 Fax (217) 398-3493

Lab #: 123799 Job #: 8851  
Sample Name/Number: 091207-MW9  
Company: Cordilleran Compliance Services  
Date Sampled: 9/12/2007  
Container: Dissolved Gas Bottle  
Field/Site Name: Project 5369  
Location:  
Formation/Depth:  
Sampling Point:  
Date Received: 9/13/2007 Date Reported: 10/11/2007

Component	Chemical				
	Chemical mol. %	Air Free vol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd	nd			
Hydrogen Sulfide -----	nd	nd			
Helium -----	nd	nd			
Hydrogen -----	nd	nd			
Argon -----	0.29	0.18			
Oxygen -----	2.99				
Nitrogen -----	15.98	5.64			
Carbon Dioxide -----	6.11	7.13			
Methane -----	64.09	74.76	-40.57	-193.4	
Ethane -----	6.62	7.72	-28.52		
Ethylene -----	nd	nd			
Propane -----	2.67	3.11	-25.98		
Iso-butane -----	0.44	0.51			
N-butane -----	0.50	0.58			
Iso-pentane -----	0.13	0.15			
N-pentane -----	0.082	0.096			
Hexanes + -----	0.099	0.12			

Total BTU/cu.ft. dry @ 60deg F &amp; 14.7psia, calculated: 879

Specific gravity, calculated: 0.776

**Remarks:**

Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.66

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100 percent. Mol. % is approximately equal to vol. %



# ISOTECH®

Web Page [www.isotechlabs.com](http://www.isotechlabs.com)Email [mail@isotechlabs.com](mailto:mail@isotechlabs.com)

Isotech Laboratories, Inc. 1308 Parkland Court, Champaign IL 61821-1826 Telephone (217) 398-3490 Fax (217) 398-3493

Lab #: 123800 Job #: 8851  
Sample Name/Number: 091207-MW12  
Company: Cordilleran Compliance Services  
Date Sampled: 9/12/2007  
Container: Dissolved Gas Bottle  
Field/Site Name: Project 5369  
Location:  
Formation/Depth:  
Sampling Point:  
Date Received: 9/13/2007 Date Reported: 10/11/2007

Component	Chemical				
	Chemical mol. %	Air Free vol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd	nd			
Hydrogen Sulfide -----	nd	nd			
Helium -----	nd	nd			
Hydrogen -----	nd	nd			
Argon -----	0.63	0.54			
Oxygen -----	4.73				
Nitrogen -----	33.57	20.58			
Carbon Dioxide -----	6.70	8.65			
Methane -----	48.46	62.59	-40.03	-157.6	
Ethane -----	5.90	7.62	-26.05		
Ethylene -----	nd	nd			
Propane -----	0.0074	0.0096			
Iso-butane -----	nd	nd			
N-butane -----	nd	nd			
Iso-pentane -----	nd	nd			
N-pentane -----	nd	nd			
Hexanes + -----	0.0074	0.0096			

Total BTU/cu.ft. dry @ 60deg F &amp; 14.7psia, calculated: 596

Specific gravity, calculated: 0.817

**Remarks:**

Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.70

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100 percent. Mol. % is approximately equal to vol. %



# ISOTECH®

Web Page [www.isotechlabs.com](http://www.isotechlabs.com)Email [mail@isotechlabs.com](mailto:mail@isotechlabs.com)

Isotech Laboratories, Inc. 1308 Parkland Court, Champaign IL 61821-1826 Telephone (217) 398-3490 Fax (217) 398-3493

Lab #: 123801 Job #: 8851  
Sample Name/Number: 091207-MW17  
Company: Cordilleran Compliance Services  
Date Sampled: 9/12/2007  
Container: Dissolved Gas Bottle  
Field/Site Name: Project 5369  
Location:  
Formation/Depth:  
Sampling Point:  
Date Received: 9/13/2007 Date Reported: 10/11/2007

Component	Chemical				
	Chemical mol. %	Air Free vol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd	nd			
Hydrogen Sulfide -----	nd	nd			
Helium -----	nd	nd			
Hydrogen -----	nd	nd			
Argon -----	0.84	0.84			
Oxygen -----	0.54				
Nitrogen -----	44.46	43.57			
Carbon Dioxide -----	4.77	4.90			
Methane -----	43.37	44.51	-43.06	-190.2	
Ethane -----	5.07	5.20	-28.37		
Ethylene -----	nd	nd			
Propane -----	0.84	0.86			
Iso-butane -----	0.030	0.031			
N-butane -----	0.063	0.065			
Iso-pentane -----	0.0048	0.0049			
N-pentane -----	0.0048	0.0049			
Hexanes + -----	0.0099	0.010			

Total BTU/cu.ft. dry @ 60deg F &amp; 14.7psia, calculated: 555

Specific gravity, calculated: 0.828

**Remarks:**

Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.71

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100 percent. Mol. % is approximately equal to vol. %