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August 30, 2007

Ms. Olivia Garcia
Environmental Engineer, Region 2
United States Forest Service – White River National Forest
P.O. Box 948
Glenwood Springs, Colorado 81602

RE: Limited Subsurface Site Assessment Report and Work Plan to Conduct Spill Cleanup Excavation and Remediation Activities at the Divide Creek Unit #35 (B1) Well Pad Mesa County, Colorado - Cordilleran Project #E07137

Dear Ms. Garcia:

EnCana Oil & Gas (USA) Inc. (EnCana) retained Cordilleran Compliance Services, Inc. (Cordilleran) to delineate the nature and extent of impacts in a meadow wetlands area located to the northeast of the Divide Creek Unit 35 (DCU #35). Cordilleran conducted a limited subsurface investigation the week of August 13 through August 18, 2007 using shovels and hand augers to minimize physical impact to the sensitive area at the base of the DCU #35 well pad. The purpose of the limited subsurface investigation was to define the extent of the impact to soils in the sensitive area from the overflow of the well pad drill cuttings pit. The release is suspected to have occurred during the spring of 2007, and was not discovered by USFS personnel until snow melt occurred. The USFS brought the issue to EnCana personnel's attention in June 2007.

After review of the document by USFS personnel, Cordilleran requests permission to excavate impacted soils as soon as possible to complete the excavation, removal of impacted soil, and reclamation activities before the onset of winter weather prevents the work to be completed this year. Snow storms may begin in September 2007 due to the elevation of the site.

Site Location
The DCU#35 is located in the Northwest Quarter of the Northeast Quarter, Section 1, Township 9 South, Range 91 West of the Sixth Principal Meridian in Mesa County, Colorado. The site is in the White River National Forest and is shown on Figure 1.

Background
Site operations by EnCana began in late August 2006 and actual drilling of the DCU #35 well began on December 24, 2006 as referenced from the Colorado Oil and Gas Conservation Commission (COGCC) database. The site elevation is 10,226 feet and snow began falling at the location in early September 2006. Snow removal to clear the

pad during storm events resulted in snow accumulation on the east and northeast sides of the well pad.

Snow melt water and precipitation filled up the drill cuttings pit on location and at some time breached a containment berm and overflowed off the well pad down slope to a low area at the base of the well pad. The released fluids flowed down the slope of the pad and were concealed by the snow pack; and therefore, the quantity of impacted water released from the site and the time of occurrence are unknown. The area of impact is in a sensitive 'wetlands' area.

The United States Forest Service (USFS) brought the incident to EnCana's attention on June 12, 2007. Cordilleran personnel collected a preliminary soil sample on June 14, 2007 from a stained area in the wetlands for analysis for the COGCC Table 910-1 parameters.

Site Setting

The bedrock geology of the area is characterized by the Cretaceous age Mesaverde Group which consists of sedimentary rocks including sandstone, siltstone, shale, and minor coal beds. The Mesaverde Group is locally an important aquifer where sandstones and conglomeratic sandstones are present; however, the fine-grained rock units that compose the Mesaverde Group are largely impermeable. The sandstones are often discontinuous or lenticular and may lack interconnected pores to yield sufficient amounts of water to wells. Water quality is also variable depending on the location of the outcrop and structural setting.

The Mesaverde Group bedrock in the area of the Site is locally overlain by colluvium and landslide deposits. The colluvium consists of pale-brown to reddish brown, very poorly sorted sand, silt, clay, and variable amounts of pebble-size to boulder-size clastic materials weathered from bedrock and eroded units overlying the Mesaverde Group. The landslide deposits are not sorted, and consist of heterogeneous mixtures of surface materials and fragmented rock debris spanning a wide range of particle sizes.

Hummocks and swales form over time in these unconsolidated sediments on gentle slopes due to slumping as a result of the accumulation of snow in these areas and subsequent melting and frost action. Seasonal wetlands may form in areas where these sediments are underlain by the low permeability units of the Mesaverde Group or hard pans of the fine-grained materials themselves are present.

Limited Subsurface Investigation Summary

Cordilleran conducted a limited subsurface investigation the week of August 13 though August 18, 2007. The area of potential impact was assessed by setting up a grid for sampling established as outlined in the Site Assessment Work Plan sent by email to USFS personnel on August 16, 2007. Surface soil samples from 62 locations were collected at a depth of 0-6 inches. Chemsolutions of Centennial, Colorado analyzed the 62 soil samples and one pond water sample (sample location #59) using a mobile laboratory that was set up near the site. Sample locations #1 through #59 are shown on

Figure 2. Sample locations # 60 through #63 were collected from the east side of the Site investigation area and are not shown on the map.

Laboratory Analysis
Chemsolutions analyzed soil samples using a mobile laboratory set up a short distance from the Site. Specific onsite analytical information provided by Chemsolutions is presented in Attachment A. Soil samples collected during the investigation were analyzed for the following parameters:

- Total petroleum hydrocarbons including gasoline range organics (GRO), diesel range organics (DRO), and oil range organics (ORO) by Texas Method 1005 which is equivalent to EPA modified Method 8015;
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8260; and
- A limited number of select samples for heavy metals by x-ray florescence (XRF), an EPA approved screening method.

Total petroleum hydrocarbon analyses were used to define the extent of impact. Since the area was impacted with exploration and production (E&P) wastes from a reserve pit and this is a sensitive area as defined by the Colorado Oil and Gas Conservation Commission (COGCC), the cleanup goal for total petroleum hydrocarbons is 1,000 mg/kg.

Analytical Results Summary
The following section presents the results of the August 2007 limited subsurface investigation. The results have been divided into sections discussing the results for the petroleum hydrocarbons and metals.

Petroleum Hydrocarbons
Two areas of TPH impacted soils were identified based on the field observations and analytical results from the limited subsurface assessment. The sample locations and both impacted areas are shown on Figure 2 as shown with hatched shading. The impacted areas requiring excavation are near sample locations #26, and sample locations #36 and #37. Both areas of impacted soils were located at the base of the DCU#35 well pad in areas that are seasonally wet located to the northeast of the well pad. The Chemsolutions analytical results are presented in Tables 1 through Table 15 included as Attachment B.

The laboratory reported DRO concentrations were detected at five of the 62 surface soil sample locations with DRO concentrations ranging from 27 mg/kg to 20,000 mg/kg. Only three of the surface soil samples had reported DRO concentrations that exceeded the COGCC sensitive area screening level of 1,000 milligrams per kilogram (mg/kg). One of these samples was collected from the first area surface impact at location #26. Concentrations of DRO were detected in the surface soil sample from location 26 at 2,000 mg/kg, but were not detected in the soil sample collected from the 1 foot to 1.5 feet interval. Concentrations of DRO were detected at 550 mg/kg in the surface soil sample from location #27 a few feet to the east of location #26. This concentration does not exceed the sensitive area criteria of 1,000 mg/kg.

The other two surface soil samples that exceeded the sensitive area criteria were collected from the second, more localized area of impacted soils located to the south of the first area. The laboratory reported DRO concentrations in soil samples from location #36 and location #37, were at 6,600 mg/kg and 20,000 mg/kg, respectively. To define the vertical extent of impacted soil in these sample locations, follow up samples were collected from greater depth using the hand auger.

A soil boring at location #36 was advanced to a total depth of 4.5 feet, at which point auger refusal was encountered due to a basalt boulder. Laboratory analytical results for DRO in soil samples collected from location #36 at 0-0.5 feet (6,600 mg/kg), 1-1.5 feet (1,200 mg/kg), 3-3.5 feet (1,000 mg/kg) and 4-4.5 feet (2,300 mg/kg) all exhibited concentrations at or above the sensitive area criteria of 1,000 mg/kg. The laboratory reported DRO was detected at a concentration of 54 mg/kg in the soil sample from location #37 at 1 to 1.5 feet below ground surface (bgs).

Concentrations of GRO were detected in surface samples collected from both location #36 and location #37 soils, reported at 280 mg/kg, and 1,300 mg/kg, respectively. However, concentrations of GRO were not detected in the soil sample collected from location 37 at a depth of 1 to 1.5 feet bgs. Concentrations of GRO generally increased at depth in the samples collected from location 36 from 130 mg/kg at 1.0 to 1.5 feet, 210 mg/kg at 3.0 to 3.5 feet, and to 520 mg/kg at 4.0 to 4.5 feet. Xylenes were detected at a concentration of 0.43 mg/kg in the soil sample from 4 to 4.5 feet at location 36.

Concentrations of GRO were not detected in any of the other surface sample locations. No other BTEX compounds were detected in soil samples from any of the other locations. Concentrations of ORO were not detected in any of the soil samples.

Metals

Total metals concentrations for the eight Resource Conservation and Recovery Act (RCRA) metals were analyzed at three locations in the area of impact and from three locations outside the area of impact based on field observations and the results of the petroleum hydrocarbon analysis. The three soil samples collected outside the expected area of impact were used to assess natural background concentrations of these metals as compared with the metals concentrations in the area of impact. The metals results are presented in Table 15 of Attachment B.

Metals concentrations in soils can be highly variable. Samples collected in close proximity may have very different concentrations. The results indicate that barium and lead were detected in all six soil samples, but the higher concentrations do not correlate with elevated DRO analytical results, suggesting that all of the barium and lead results may be related to naturally occurring background concentrations. The COGCC allowable concentration of total barium in soils is 180,000 mg/kg, and the allowable concentration for total lead is 300 mg/kg. None of the reported results exceed the allowable limits. The XRF method reports total barium concentrations and therefore does not necessarily indicate what would be expected to leach to groundwater or surface water.

Water Sample Results
A grab water sample was collected from a pond located to the north – northeast of the areas of impact. The sample, identified as sample #59, was submitted for analysis of BTEX and TX1005. The results indicated that concentrations of BTEX, GRO, DRO, and ORO were not detected.

Analytical results for soil samples collected upgradient of the pond indicate that petroleum hydrocarbons were not detected, with the exception of a DRO detection of 27 mg/kg in soil sample #52. However, this result is well below the sensitive area criteria of 1,000 mg/kg, and is not expected to be of concern to aquatic life in the pond.

Waste Characterization Results
Waste characterization sample results are presented in Attachment C. Waste characterization consisting of grab samples were collected on June 14, 2007, and also on August 14, 2007 from stained surface soils to evaluate disposal options. A soil sample collected on June 14, 2007 was submitted to ESC Laboratory for analysis of pH, SAR, specific conductance, total metals concentrations for 11 metals, BTEX, GRO, and DRO. The laboratory results indicated that the soil parameters for pH, SAR, specific conductance, and total metals were within expected ranges and did not exceed the COGCC Table 910-1 allowable concentrations and levels. The highest metal concentration was barium which was detected at 220 mg/kg. Concentrations of BTEX and GRO were not detected. However, concentrations of DRO were detected at 16,000 mg/kg.

A water sample from the impacted area was also collected on June 14, 2007 and was submitted to ESC for analysis of chloride, sulfate, and BTEX. Concentrations of chloride were detected at 17 milligrams per liter (mg/l) and sulfate was detected at 5.1 mg/l, which appear consistent with natural background concentrations. Concentrations of BTEX were not detected.

A second waste characterization soil was collected on August 14, 2007 from the same area. The August 14, 2007 sample was submitted to ESC for analysis of polyaromatic hydrocarbons (PAHs) by EPA Method 8310 due to the elevated DRO concentration of 16,000 mg/kg detected in the sample collected on June 14, 2007. Concentrations of PAHs were not detected. Analysis of toxicity characteristic leaching potential (TCLP) barium was also requested to evaluate the potential for barium in these soils to leach to groundwater. The analytical results for the TCLP barium were 0.90 mg/l which indicates that the total barium concentrations are not leachable, based on the 220 mg/kg reported in the June 14, 2007 soil sample.

Proposed Excavation Work
EnCana proposes an expedited removal of the impacted soils in the two areas to begin as soon as possible to complete the excavation work on or before the week of September 1, 2007. The depth of the impact in the first area near location #26 is expected to be limited to the upper few inches of soil near the surface.

The impacts in the second area are expected to extend to as much as 5 feet bgs in the vicinity of soil sample location #36 and 37. The samples from this area had higher concentrations of DRO and some GRO, which was absent in the other location, and therefore appears to be more recent.

The areas of excavation are estimated at 15 feet wide by 20 feet long, and 10 feet wide by 20 feet long, respectively. Excavation of the first area is expected to be limited to the upper few inches of surface soil; however, the soils in the second area appear to be locally impacted to depths as much as 5 feet bgs. Western States Reclamation, Inc. (WSRI) will conduct the excavation and reclamation activities, with oversight to be provided by Cordilleran, EnCana, USFS personnel, and COGCC personnel, as requested. WSRI has an extensive record of reclamation activities in sensitive areas.

The impacted soils will be temporarily stockpiled in a lined, earthen containment cell on the well pad pending approval for disposal at the West Garfield County Landfill. Once approved, the impacted soils will be hauled offsite to the landfill as hauling can be scheduled. The soils were profiled and approved by Garfield County based on the waste characterization soil samples collected on June 14, 2007 and the follow up waste characterization soil sample collected on August 14, 2007.

The excavation and reclamation work will consist of:

- Pin flags or marking paint will be used to clearly delineate areas of contaminated soils;
- Photographs will be taken of the site prior to, during, and following the assessment and remediation activities to document site conditions. Preliminary site photographs are shown in Attachment D;
- A rubber tracked low impact excavator and skid-steer will be utilized, if allowed, to remove and stockpile contaminated soils in a container, truck, or bermed, lined area on the well pad;
- Shovels, buckets, and wheelbarrows will be used, if required, to remove and stockpile contaminated soils in a container, truck, or bermed, lined area on the well pad;
- If available, a mobile laboratory will be set up in the area to enable analyzing soil samples and groundwater samples if encountered. The mobile laboratory will expedite sample analysis to help direct the remediation efforts;
- Excavation will focus on areas of impact as based on the site assessment results to minimize the amount of disturbance to the sensitive area; and
- Collection of confirmation soil samples once the areas of impact have been removed.

Once the impacted soils exhibiting total petroleum hydrocarbons greater than 1,000 mg/kg have been excavated and removed, confirmation soil samples will be collected and submitted to a fixed base laboratory for the following analyses:

- BTEX by EPA Method 8260;
- GRO/DRO/ORO by TX1005;
- Sodium adsorption ratio (SAR) by calculation; and
- Total metals analysis for arsenic, barium, cadmium, chromium, mercury, lead, selenium, and silver (RCRA 8) by EPA Method 6010B.

If requested to do so, Cordilleran can collect split soil samples for Forest Service personnel or the COGCC to submit to an outside laboratory for comparison. The Forest Service or COGCC will need to contract with the laboratory directly and provide all necessary cooler, ice, sample containers, labels, chain of custody forms, and custody seals.

Additionally, one background soil sample will be collected from an area outside the area of impact, and submitted for analysis total metals concentrations and SAR to serve as a comparison for cleanup. The analytical results will be used to define the nature and extent of the impacts onsite to direct excavation efforts. The confirmation analysis will be performed by Environmental Science Corp of Mount Juliet, Tennessee, and Chemsolutions as necessary.

Restoration Activities
Once the impacted soil has been excavated and removed, clean fill soil will be brought back in to restore the area to its previous condition. The area will be reseeded with indigenous plant species suitable for the area as directed by the USFS. WSRI has experience performing restoration activities in wetlands and has conducted this work for the USFS and other agencies.

This work plan was developed following conversations with EnCana and USFS personnel, and following the site assessment on August 14-18, 2007. If you have any questions or comments please contact me at (970) 263-7800.

Sincerely,

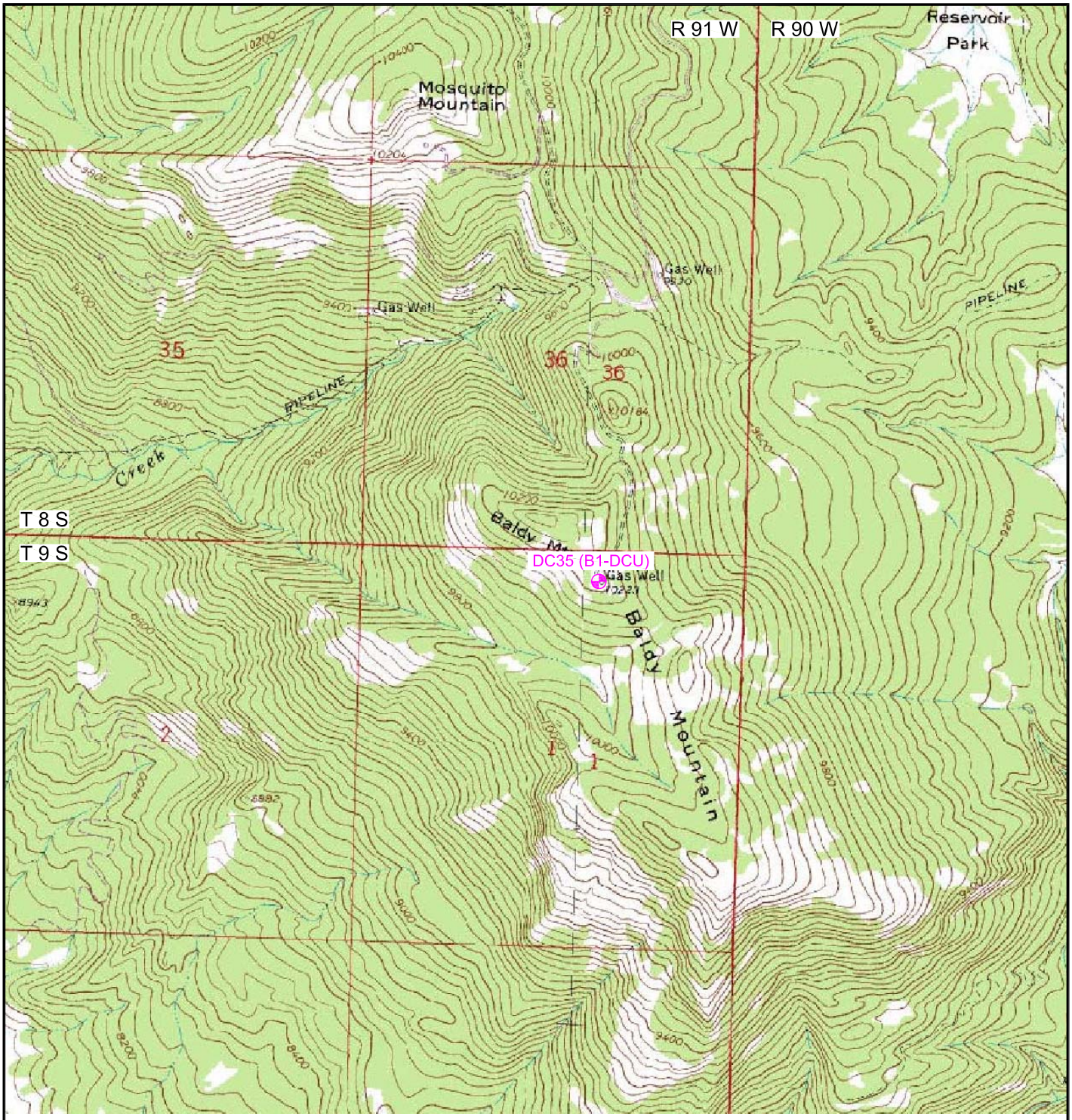
Cordilleran Compliance Services, Inc.

William Monroe
Project Geologist

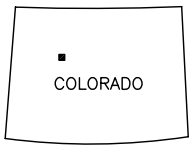
James Hix
Senior Geologist

cc: Mr. Terry Gosney – EnCana Regional Environmental Coordinator
Ms. Ruth Ann Morss – EnCana BLM liason
Mr. David Francomb – U.S. Forest Service, White River National Forest
Mr. Dan Sokal – U.S. Forest Service, White River National Forest
Mr. Chris Canfield – COGCC Field Inspector
Ms. Donna Stoner – CDPHE

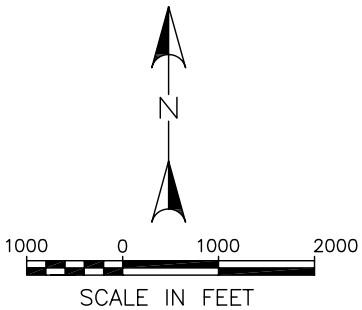
FIGURES AND TABLE



SOURCE: USGS FLATIRON MOUNTAIN, QUAKER MESA 7.5 MINUTE QUADRANGLE



QUADRANGLE LOCATION



SCALE IN FEET

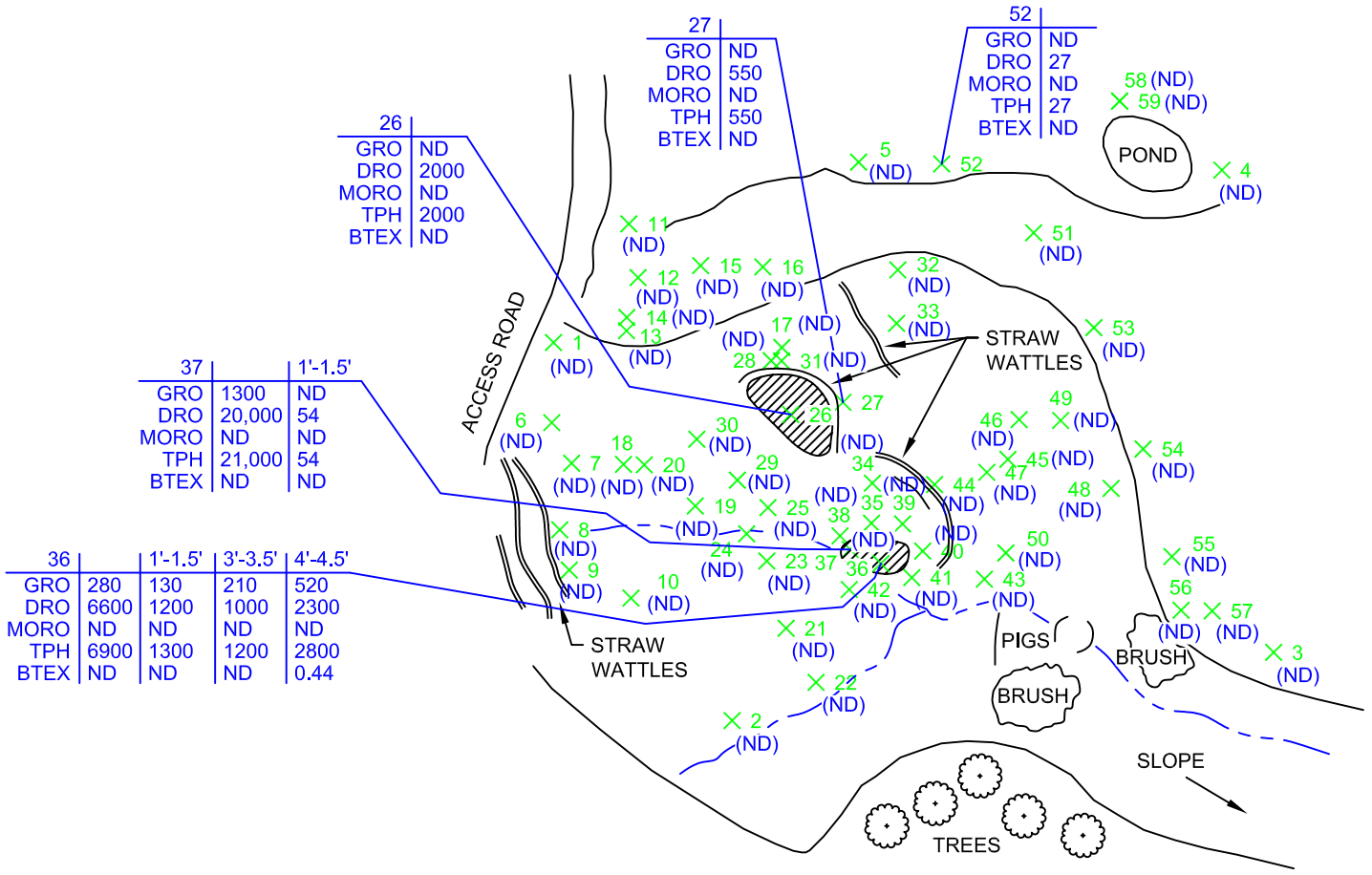
FIGURE 1
TOPO LOCATION MAP
ENCANA OIL & GAS
DC35 (B1-DCU)
COLORADO

REVISION DATE:	8/28/07
REVISION NUMBER:	00#
DRAWN BY:	RJV
APPROVED BY:	JL
PROJECT #	EO7137
SCALE:	AS SHOWN

CORDILLERAN

M:\CLIENTS\CORDILLERAN\EN-CANA\DC-35\DC35-TOPO.DWG 08/28/2007 11:28AM

M:\CLIENTS\CORDILLERAN\EN-CANA\DC-35\DC35-SSLM.DWG 08/30/2007 3:04PM



LEGEND

× SOIL SAMPLE LOCATION

CHEMICAL DATA

(ALL VALUES ARE IN mg/l)

GRO = GASOLINE RANGE ORGANICS
DRO = DIESEL RANGE ORGANICS
MORO = MOTOR OIL RANGE ORGANICS
TPH = TOTAL PETROLEUM HYDROCARBONS
BTEX = TOTAL BTEX
(ND) = NOT DETECTED
(NS) = NOT SAMPLED

N

0 50

SCALE IN FEET

FIGURE 2
SOIL SAMPLE LOCATION MAP
ENCANA OIL & GAS
DC35 (B1-DCU)
COLORADO

REVISION DATE:	8/28/07
REVISION NUMBER:	00#
DRAWN BY:	RJV
APPROVED BY:	JL
PROJECT #	EO7137
SCALE:	AS SHOWN

CORDILLERAN

SUMMARY TABLE

DC35 (B1DCU) Gas Well Pad - Sensitive Area Assessment
NW/4, NE/4, Section 1, Township 9 South, Range 91 West, 6th P.M.
Mesa County, Colorado

Location #	Latitude	Longitude	GRO	DRO	MORO	TPH	BTEX
1	39.30863	107.49949	ND	ND	ND	ND	ND
2	39.30835	107.49931	ND	ND	ND	ND	ND
3	39.30841	107.49879	ND	ND	ND	ND	ND
4	39.30877	107.49885	ND	ND	ND	ND	ND
5	39.30877	107.4992	ND	ND	ND	ND	ND
6	39.30857	107.49949	ND	ND	ND	ND	ND
7	39.30854	107.49947	ND	ND	ND	ND	ND
8	39.30849	107.49948	ND	ND	ND	ND	ND
9	39.30846	107.49947	ND	ND	ND	ND	ND
10	39.30844	107.49941	ND	ND	ND	ND	ND
11	39.30872	107.49942	ND	ND	ND	ND	ND
12	39.30868	107.49941	ND	ND	ND	ND	ND
13	39.30864	107.49942	ND	ND	ND	ND	ND
14	39.30865	107.49942	ND	ND	ND	ND	ND
15	39.30869	107.49935	ND	ND	ND	ND	ND
16	39.30869	107.49929	ND	ND	ND	ND	ND
17	39.30863	107.49927	ND	ND	ND	ND	ND
18	39.30854	107.49942	ND	ND	ND	ND	ND
19	39.30851	107.49935	ND	ND	ND	ND	ND
20	39.30854	107.4994	ND	ND	ND	ND	ND
21	39.30842	107.49926	ND	ND	ND	ND	ND
22	39.30838	107.49923	ND	ND	ND	ND	ND
23	39.30847	107.49928	ND	ND	ND	ND	ND
24	39.30849	107.4993	ND	ND	ND	ND	ND
25	39.30851	107.49928	ND	ND	ND	ND	ND
26	39.30858	107.49926	ND	2000	ND	2000	ND
26, 1-1.5	39.30858	107.49926	ND	ND	ND	ND	ND
27	39.30859	107.49921	ND	550	ND	550	ND
28	39.30862	107.49928	ND	ND	ND	ND	ND
29	39.30853	107.49931	ND	ND	ND	ND	ND
30	39.30856	107.49935	ND	ND	ND	ND	ND
31	39.30862	107.49927	ND	ND	ND	ND	ND
32	39.30869	107.49916	ND	ND	ND	ND	ND
33	39.30865	107.49916	ND	ND	ND	ND	ND
34	39.30853	107.49918	ND	ND	ND	ND	ND
35	39.3085	107.49918	ND	ND	ND	ND	ND
36	39.30847	107.49917	280	6600	ND	6900	ND
36, 1-1.5	39.30847	107.49917	130	1200	ND	1300	ND
36, 3-3.5	39.30847	107.49917	210	1000	ND	1200	ND
36,4-4.5	39.30847	107.49917	520	2300	ND	2800	0.44
37	39.30848	107.4992	1300	20000	ND	21000	ND
37, 1-1.5	39.30848	107.4992	ND	54	ND	54	ND
38	39.30849	107.49921	ND	ND	ND	ND	ND
39	39.3085	107.49915	ND	ND	ND	ND	ND
40	39.30848	107.49913	ND	ND	ND	ND	ND
41	39.30846	107.49914	ND	ND	ND	ND	ND
42	39.30845	107.4992	ND	ND	ND	ND	ND
43	39.30846	107.49907	ND	ND	ND	ND	ND
44	39.30853	107.49912	ND	ND	ND	ND	ND
45	39.30855	107.49905	ND	ND	ND	ND	ND
46	39.30858	107.49904	ND	ND	ND	ND	ND
47	39.30854	107.49907	ND	ND	ND	ND	ND
48	39.30853	107.49895	ND	ND	ND	ND	ND
49	39.30858	107.499	ND	ND	ND	ND	ND
50	39.30848	107.49905	ND	ND	ND	ND	ND
51	39.30872	107.49903	ND	ND	ND	ND	ND
52	39.30877	107.49912	ND	27	ND	27	ND
53	39.30865	107.49897	ND	ND	ND	ND	ND
54	39.30856	107.49892	ND	ND	ND	ND	ND
55	39.30848	107.49889	ND	ND	ND	ND	ND
56	39.30844	107.49888	ND	ND	ND	ND	ND
57	39.30844	107.49885	ND	ND	ND	ND	ND
58	39.30882	107.49895	ND	ND	ND	ND	ND
59	39.30882	107.49895	ND	ND	ND	ND	ND

GRO - gasoline range organics
DRO - diesel range organics
MORO - motor oil range organics
TPH - total petroleum hydrocarbons, sum of above petroleum ranges as reported by Texas Method TX1005 (EPA modified Method 8015) analyzed by Chemsolutions mobile laboratory.

Note: Sample #58 was a soil sample collected from the edge of the pond, and sample #59 was a water sample collected from the pond. There is a drainage divide between the hillslope to the pond and the areas of impacted soils downgradient from the well pad.

Note: Samples #60 through #63 where collected to the east of the Site area and were collected from surface materials to evaluate potential impacts. Latitude/Longitude coordinates were not recorded for these samples; however, the results indicate that petroleum hydrocarbon concentrations were not detected in these samples.

ATTACHMENT A

CHEMSOLUTIONS INFORMATION

CHEMSOLUTIONS

August 10, 2007

James Hix
Cordilleran Compliance Services, Inc.
5550 Marshall Street
Arvada, CO 80002

RE: Proposal for Encana Wet Lands On-Site Assessment.

Dear James,

This letter summarizes my technical proposal for the Encana wet lands on-site analytical work. The costs for the analyses described here are summarized in a separate letter to follow. ChemSolutions mobile laboratory will be equipped to perform the following analyses:

1) BTEX in soil/water by EPA Method 8260B

2) TPH-GRO, TPH-DRO and TPH-ORO in water/soil by Texas Method TNRCC1005

3) RCRA 8 Metals in soil by EPA Method 6200

BTEX analyses will be performed by GC/MS using EPA Method 8260B. Reporting limits will be 5ug/Kg in soil and 2ug/L in water. ChemSolutions' mobile laboratory is NELAP accredited for this analysis and participates in both WP and HW Performance Test Programs. Samples will be analyzed daily in QC batches of at most 20 samples.

ChemSolutions uses TNRCC1005 for TPH analysis. This is the Texas modification of Method 8015. The method provides results for gasoline, diesel and motor oil range hydrocarbons all in one analysis. It works very well in the field, unlike other extractable hydrocarbon analyses. ChemSolutions' mobile laboratory is NELAP accredited for this analysis and participates in the UST Performance Test Program. Reporting limits will be 20mg/Kg in soils and 2 mg/L in waters for GRO, DRO and ORO. Samples will be analyzed in daily QC batches of at most 20 samples. QC includes LCS/LCSD spikes and MS/MSD spikes for each batch. 2 surrogate standards are analyzed and reported with all samples, blanks and QC samples.

Soil samples will be analyzed for RCRA 8 metals by XRF using EPA Method 6200. This is a screening level method with reporting limits in the range of 5-100 mg/Kg. Results are very reliable for screening for high concentrations of metals.

Verbal results will usually be available 1 hour after sample receipt. Results for samples received after 5pm will be available the next morning as will a hard copy summary of the previous days sample results. At the conclusion of the project a final report will be issued summarizing all sample and QC results.

I look forward to talking to you soon and to working with you on this project.

Sincerely,

John Graves
Laboratory Director

Phone: 303.771.5570 • Fax: 303.771.5574 • 7332 S. Alton Way, Suite 13G • Centennial, CO 80112

ATTACHMENT B

CHEMSOLUTIONS MOBILE LABORATORY
ANALYTICAL RESULTS

CHEMSOLUTIONS

August 24, 2007

James Hix
Senior Project Geologist
Cordilleran Compliance Services Inc.
5550 Marshall Street
Arvada, CO 80002

RE: DC35

Dear James:

Following are the analytical results for the Encana DC35 samples collected between 8/15 and 8/18/07 . The samples were analyzed for BTEX and MTBE by EPA Method 8260B. They were analyzed for TPH by EPA Method 8015 as set forth in Texas Method TNRCC 1005. Six of the samples were analyzed for the RCRA 8 metals by EPA Method 6200.

Tables 1-4 contain the BTEX results for the soil samples. The BTEX soil quality control samples are summarized in Table 5. The BTEX water results are in Table 6. The BTEX water QC results are tabulated in Table 7.

The soil sample TPH results are listed in Tables 8-11. The TPH quality control results are summarized in Table 12. The TPH water sample results are in Table 13 and the QC results are in Table 14.

The soil sample metal results can be found in Table 15.

Thank you for the opportunity to work on this project. Please call if you have any questions. The invoice will follow shortly.

Sincerely,

John Graves
Laboratory Director

Phone: 303.771.5570 • Fax: 303.771.5574 • 7332 S. Alton Way, Suite 13G • Centennial, CO 80112

8/23/07

CHEMSOLUTIONS
TABLE 1
BTEX RESULTS
Project ID: COR002

Client Project ID: 6108, DC35 (B1DCU)
EPA Method: 8260B
Sample Matrix: Soil
Units: mg/Kg (ppm)
Dry Weight Basis

Date Sampled: 8/15-8/16/07
Date Received: 8/16/07
Date Analyzed: 8/16-8/17/07

Sample #	Benzene	Toluene	Ethyl Benzene	Xylene	Surrogate % Recovery
1	ND	ND	ND	ND	105
2	ND	ND	ND	ND	89.7
3	ND	ND	ND	ND	87.9
4	ND	ND	ND	ND	91.7
5	ND	ND	ND	ND	91.3
6	ND	ND	ND	ND	91.0
7	ND	ND	ND	ND	87.6
8	ND	ND	ND	ND	91.6
9	ND	ND	ND	ND	72.0
10	ND	ND	ND	ND	76.5
11	ND	ND	ND	ND	83.9
12	ND	ND	ND	ND	77.9
13	ND	ND	ND	ND	82.0
14	ND	ND	ND	ND	86.8
15	ND	ND	ND	ND	88.2
16	ND	ND	ND	ND	78.2
17	ND	ND	ND	ND	77.2
18	ND	ND	ND	ND	76.1
19	ND	ND	ND	ND	57.2
20	ND	ND	ND	ND	86.9
Blank	ND	ND	ND	ND	102
Reporting Limit	0.005	0.005	0.005	0.005	

ND = Not Detected.

8/23/07

CHEMSOLUTIONS
TABLE 2
BTEX RESULTS
Project ID: COR002

Client Project ID: 6108, DC35 (B1DCU)
EPA Method: 8260B
Sample Matrix: Soil
Units: mg/Kg (ppm)
Dry Weight Basis

Date Sampled: 8/16-8/17/07
Date Received: 8/16-8/17/07
Date Analyzed: 8/17/07

Sample #	Benzene	Toluene	Ethyl Benzene	Xylene	Surrogate % Recovery
21	ND	ND	ND	ND	99.9
22	ND	ND	ND	ND	79.9
23	ND	ND	ND	ND	89.3
24	ND	ND	ND	ND	75.3
25	ND	ND	ND	ND	86.2
26	ND	ND	ND	ND	63.7
27	ND	ND	ND	ND	77.6
28	ND	ND	ND	ND	72.4
29	ND	ND	ND	ND	75.2
30	ND	ND	ND	ND	80.5
31	ND	ND	ND	ND	93.4
32	ND	ND	ND	ND	93.4
33	ND	ND	ND	ND	88.8
34	ND	ND	ND	ND	90.7
35	ND	ND	ND	ND	88.0
36	ND	ND	ND	ND	78.1
37	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	89.0
38	ND	ND	ND	ND	87.8
39	ND	ND	ND	ND	85.0
40	ND	ND	ND	ND	85.5
Blank	ND	ND	ND	ND	99.8
Reporting Limit	0.005	0.005	0.005	0.005	

ND = Not Detected.
The number in parenthesis is the reporting limit when the sample was diluted because of hydrocarbon interference.

8/23/07

CHEMSOLUTIONS
TABLE 3
BTEX RESULTS
Project ID: COR002

Client Project ID: 6108, DC35 (B1DCU)
EPA Method: 8260B
Sample Matrix: Soil
Units: mg/Kg (ppm)
Dry Weight Basis

Date Sampled: 8/17/07
Date Received: 8/17/07
Date Analyzed: 8/17-8/18/07

Sample #	Benzene	Toluene	Ethyl Benzene	Xylene	Surrogate % Recovery
41	ND	ND	ND	ND	80.7
42	ND	ND	ND	ND	88.5
43	ND	ND	ND	ND	83.9
44	ND	ND	ND	ND	82.9
45	ND	ND	ND	ND	84.0
46	ND	ND	ND	ND	93.7
47	ND	ND	ND	ND	82.1
48	ND	ND	ND	ND	86.3
49	ND	ND	ND	ND	88.1
50	ND	ND	ND	ND	80.3
51	ND	ND	ND	ND	88.7
52	ND	ND	ND	ND	95.9
53	ND	ND	ND	ND	90.3
54	ND	ND	ND	ND	82.2
55	ND	ND	ND	ND	84.4
56	ND	ND	ND	ND	74.9
57	ND	ND	ND	ND	84.5
58	ND	ND	ND	ND	87.1
Blank	ND	ND	ND	ND	95.8
Reporting Limit	0.005	0.005	0.005	0.005	

ND = Not Detected.

8/23/07

CHEMSOLUTIONS
TABLE 4
BTEX RESULTS
Project ID: COR002

Client Project ID: 6108, DC35 (B1DCU)
EPA Method: 8260B
Sample Matrix: Soil
Units: mg/Kg (ppm)
Dry Weight Basis

Date Sampled: 8/18/07
Date Received: 8/18/07
Date Analyzed: 8/18/07

Sample #	Benzene	Toluene	Ethyl Benzene	Xylene	Surrogate % Recovery
26, 1-1.5'	ND	ND	ND	ND	91.9
37, 1-1.5'	ND	ND	ND	ND	84.3
36, 1-1.5'	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	100
36, 3-3.5'	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	98.1
36, 4-4.5'	ND(0.25)	ND(0.25)	ND(0.25)	0.43	98.5
60	ND	ND	ND	ND	88.3
61	ND	ND	ND	ND	83.9
62	ND	ND	ND	ND	83.9
63	ND	ND	ND	ND	81.6
Blank	ND	ND	ND	ND	97.0
Reporting Limit	0.005	0.005	0.005	0.005	

ND = Not Detected.
The number in parenthesis is the reporting limit when the sample was diluted.

08/23/07

CHEMSOLUTIONS
TABLE 5
BTEX QUALITY CONTROL RESULTS
Project ID: COR002

Client Project ID: 6108, DC35 (B1DCU)
EPA Method: 8260B
Sample Matrix: Soil
Units: mg/Kg (ppm)

Date Sampled: 8/15-8/18/07
Date Received: 8/16-8/18/07
Date Analyzed: 8/16-8/18/07

Sample #	Benzene	Toluene	Ethyl Benzene	Xylene	Surrogate % Recovery
7 Matrix Spike	0.0472	0.0407	0.0463	0.132	NA
% Recovery	94.3	81.3	92.6	87.7	85.7
7 Matrix Spike Dupl.	0.0444	0.0404	0.0457	0.126	NA
% Recovery	88.9	80.7	91.4	84.0	85.2
Relative % Difference	6.11	0.74	1.30	4.65	NA
21 Matrix Spike	0.0949	0.0847	0.0943	0.255	NA
% Recovery	94.9	84.7	94.3	85.1	87.6
21 Matrix Spike Dupl.	0.0995	0.0837	0.0987	0.0258	NA
% Recovery	99.5	83.7	98.7	85.9	82.9
Relative % Difference	5.14	1.19	4.56	0.94	NA
41 Matrix Spike	0.0894	0.0737	0.0882	0.247	NA
% Recovery	89.4	73.7	88.2	82.3	76.6
41 Matrix Spike Dupl.	0.0824	0.0748	0.0838	0.244	NA
% Recovery	82.4	74.8	83.8	81.3	82.2
Relative % Difference	8.15	1.48	5.12	1.22	NA
61 Matrix Spike	0.0853	0.0770	0.0850	0.239	NA
% Recovery	85.3	77.0	85.0	79.8	77.4
61 Matrix Spike Dupl.	0.0864	0.0760	0.0903	0.247	NA
% Recovery	86.4	76.0	90.3	82.3	82.6
Relative % Difference	1.28	1.31	6.05	3.29	NA
Lab Control Spike 8/17-1	0.0430	0.0441	0.0428	0.127	NA
% Recovery	86.1	88.2	85.6	84.6	96.0
Lab Control Spike 8/17-2	0.0878	0.0892	0.0870	0.255	NA
% Recovery	87.8	89.2	87.0	85.1	102
Lab Control Spike 8/18-1	0.0876	0.0876	0.0944	0.261	NA
% Recovery	87.6	87.6	94.4	86.9	100
Lab Control Spike 8/18-2	0.0874	0.0890	0.0880	0.255	NA
% Recovery	87.4	89.0	88.0	85.0	98.0
Reporting Limit	0.005	0.005	0.005	0.005	

NA = Not Applicable.

8/23/07

CHEMSOLUTIONS
TABLE 6
BTEX RESULTS
Project ID: COR002

Client Project ID: 6108, DC35 (B1DCU)
EPA Method: 8260B
Sample Matrix: Water
Units: mg/L (ppm)

Date Sampled: 8/17/07
Date Received: 8/17/07
Date Analyzed: 8/18/07

Sample #	Benzene	Toluene	Ethyl Benzene	Xylene	Surrogate % Recovery
59	ND	ND	ND	ND	97.9
Blank	ND	ND	ND	ND	97.0
Reporting Limit	0.002	0.002	0.002	0.002	

ND = Not Detected.

08/23/07

CHEMSOLUTIONS
TABLE 7
BTEX QUALITY CONTROL RESULTS
Project ID: COR002

Client Project ID: 6108, DC35 (B1DCU)
EPA Method: 8260B
Sample Matrix: Water
Units: mg/L (ppm)

Date Sampled: 8/17/07
Date Received: 8/17/07
Date Analyzed: 8/18/07

Sample #	Benzene	Toluene	Ethyl Benzene	Xylene	Surrogate % Recovery
59 Matrix Spike	0.0877	0.0904	0.0903	0.260	NA
% Recovery	87.7	90.4	90.3	86.8	96.4
59 Matrix Spike Dupl.	0.0871	0.0890	0.0872	0.254	NA
% Recovery	87.1	89.0	87.2	84.8	98.5
Relative % Difference	0.69	1.56	3.49	2.34	NA
Lab Control Spike	0.0867	0.0884	0.0893	0.256	NA
% Recovery	86.7	88.4	89.3	85.2	98.3
Reporting Limit	0.002	0.002	0.002	0.002	

NA = Not Applicable.

08/23/07

CHEMSOLUTIONS
TABLE 8, Page 1 of 2
TPH RESULTS
Project ID: COR002

Client Project ID: 6108, DC35 (B1DCU)
Method: EPA 8015 modified
Sample Matrix: Soil
Units: mg/Kg (ppm)
Dry Weight Basis

Date Sampled: 8/15-8/16/07
Date Received: 8/16/07
Date Analyzed: 8/16-8/17/07

Sample #	Gasoline Range Organics	Diesel Range Organics	Motor Oil Range Organics	Total Petroleum Hydrocarbons	1-chlorooctane Surrogate % Recovery	1-chlorooctadecane Surrogate % Recovery
1	ND	ND	ND	ND	81.0	87.1
2	ND	ND	ND	ND	76.6	79.3
3	ND	ND	ND	ND	78.1	81.9
4	ND	ND	ND	ND	83.5	96.3
5	ND	ND	ND	ND	86.9	85.7
6	ND	ND	ND	ND	88.8	90.1
7	ND	ND	ND	ND	78.7	86.4
8	ND	ND	ND	ND	86.3	80.5
9	ND	ND	ND	ND	78.6	92.4
10	ND	ND	ND	ND	80.8	97.4
11	ND	ND	ND	ND	81.1	90.3
12	ND	ND	ND	ND	81.2	82.7
13	ND	ND	ND	ND	72.5	83.6
14	ND	ND	ND	ND	82.2	86.3
15	ND	ND	ND	ND	72.5	70.4
16	ND	ND	ND	ND	72.0	81.1
17	ND	ND	ND	ND	79.7	72.4
18	ND	ND	ND	ND	60.3	73.1

CHEMSOLUTIONS
TABLE 8 (Continued), Page 2 of 2
TPH RESULTS
Project ID: COR002

Sample #	Gasoline Range Organics	Diesel Range Organics	Motor Oil Range Organics	Total Petroleum Hydrocarbons	1-chlorooctane Surrogate % Recovery	1-chlorooctadecane Surrogate % Recovery
19	ND	ND	ND	ND	74.7	77.5
20	ND	ND	ND	ND	89.7	96.3
Blank	ND	ND	ND	ND	73.4	71.8
Reporting Limit	20	20	20	20		

ND=Not Detected

08/23/07

CHEMSOLUTIONS
TABLE 9, Page 1 of 2
TPH RESULTS
Project ID: COR002

Client Project ID: 6108, DC35 (B1DCU)
Method: EPA 8015 modified
Sample Matrix: Soil
Units: mg/Kg (ppm)
Dry Weight Basis

Date Sampled: 8/16-8/17/07
Date Received: 8/16-8/17/07
Date Analyzed: 8/17-8/18/07

Sample #	Gasoline Range Organics	Diesel Range Organics	Motor Oil Range Organics	Total Petroleum Hydrocarbons	1-chlorooctane Surrogate % Recovery	1-chlorooctadecane Surrogate % Recovery
21	ND	ND	ND	ND	61.7	66.8
22	ND	ND	ND	ND	82.9	97.7
23	ND	ND	ND	ND	73.5	81.2
24	ND	ND	ND	ND	81.2	94.4
25	ND	ND	ND	ND	77.7	88.7
26	ND	2,000	ND	2,000	79.5	89.2
27	ND	550	ND	550	76.9	95.2
28	ND	ND	ND	ND	87.5	108
29	ND	ND	ND	ND	77.4	93.5
30	ND	ND	ND	ND	77.0	88.1
31	ND	ND	ND	ND	75.4	87.6
32	ND	ND	ND	ND	77.1	91.7
33	ND	ND	ND	ND	86.6	108
34	ND	ND	ND	ND	76.3	92.9
35	ND	ND	ND	ND	76.0	94.4
36	280	6,600	ND	6,900	81.7	111
37	1,300	20,000	ND	21,000	85.2	145
38	ND	140	ND	140	74.7	88.0

CHEMSOLUTIONS
TABLE 9 (Continued), Page 2 of 2
TPH RESULTS
Project ID: COR002

Sample #	Gasoline Range Organics	Diesel Range Organics	Motor Oil Range Organics	Total Petroleum Hydrocarbons	1-chlorooctane Surrogate % Recovery	1-chlorooctadecane Surrogate % Recovery
39	ND	ND	ND	ND	76.2	96.5
40	ND	50	ND	50	74.1	96.7
Blank	ND	ND	ND	ND	91.2	100
Reporting Limit	20	20	20	20		

ND=Not Detected

08/23/07

CHEMSOLUTIONS
TABLE 10, Page 1 of 2
TPH RESULTS
Project ID: COR002

Client Project ID: 6108, DC35 (B1DCU)
Method: EPA 8015 modified
Sample Matrix: Soil
Units: mg/Kg (ppm)
Dry Weight Basis

Date Sampled: 8/16-8/17/07
Date Received: 8/16-8/17/07
Date Analyzed: 8/17-8/18/07

Sample #	Gasoline Range Organics	Diesel Range Organics	Motor Oil Range Organics	Total Petroleum Hydrocarbons	1-chlorooctane Surrogate % Recovery	1-chlorooctadecane Surrogate % Recovery
41	ND	ND	ND	ND	66.9	70.9
42	ND	ND	ND	ND	80.7	94.5
43	ND	ND	ND	ND	68.5	74.3
44	ND	ND	ND	ND	78.8	85.5
45	ND	ND	ND	ND	84.7	95.7
46	ND	ND	ND	ND	80.6	92.1
47	ND	ND	ND	ND	83.5	86.2
48	ND	ND	ND	ND	71.8	80.4
49	ND	ND	ND	ND	88.6	104
50	ND	ND	ND	ND	77.1	89.2
51	ND	ND	ND	ND	87.0	99.7
52	ND	27	ND	27	75.1	85.8
53	ND	ND	ND	ND	81.4	93.1
54	ND	ND	ND	ND	83.5	99.1
55	ND	ND	ND	ND	101	115
56	ND	ND	ND	ND	68.9	78.7
57	ND	ND	ND	ND	74.7	88.4
58	ND	ND	ND	ND	71.2	88.8

CHEMSOLUTIONS
TABLE 10 (Continued), Page 2 of 2
TPH RESULTS
Project ID: COR002

Sample #	Gasoline Range Organics	Diesel Range Organics	Motor Oil Range Organics	Total Petroleum Hydrocarbons	1-chlorooctane Surrogate % Recovery	1-chlorooctadecane Surrogate % Recovery
Blank	ND	ND	ND	ND	80.6	92.3
Reporting Limit	20	20	20	20		

ND=Not Detected

08/23/07

CHEMSOLUTIONS
TABLE 11
TPH RESULTS
Project ID: COR002

Client Project ID: 6108, DC35 (B1DCU)
Method: EPA 8015 modified
Sample Matrix: Soil
Units: mg/Kg (ppm)
Dry Weight Basis

Date Sampled: 8/18/07
Date Received: 8/18/07
Date Analyzed: 8/19/07

Sample #	Gasoline Range Organics	Diesel Range Organics	Motor Oil Range Organics	Total Petroleum Hydrocarbons	1-chlorooctane Surrogate % Recovery	1-chlorooctadecane Surrogate % Recovery
26, 1-1.5'	ND	ND	ND	ND	77.5	96.3
37, 1-1.5'	ND	54	ND	54	82.1	102
36, 1-1.5'	130	1,200	ND	1,300	81.2	107
36, 3-3.5'	210	1,000	ND	1,200	81.2	92.1
36, 4-4.5'	520	2,300	ND	2,800	86.7	86.1
60	ND	ND	ND	ND	79.3	92.9
61	ND	ND	ND	ND	85.2	106
62	ND	ND	ND	ND	74.0	84.1
63	ND	ND	ND	ND	80.1	102
Blank	ND	ND	ND	ND	83.6	98.3
Reporting Limit	20	20	20	20		

ND=Not Detected

8/23/07

CHEMSOLUTIONS
TABLE 12, Page 1 of 2
TPH QUALITY CONTROL RESULTS
Project ID: COR002

Client Project ID: 6108, DC35 (B1DCU)
Method: EPA 8015 modified
Sample Matrix: Soil
Units: mg/Kg (ppm)

Date Sampled: 8/15-8/18/07
Date Received: 8/16-8/18/07
Date Analyzed: 8/16-8/18/07

Sample #	Gasoline Range Organics	Diesel Range Organics	Motor Oil Range Organics	Total Petroleum Hydrocarbons	1-chlorooctane Surrogate % Recovery	1-chlorooctadecane Surrogate % Recovery
10 Matrix Spike	283	269	NA	NA	NA	NA
% Recovery	113	108	NA	NA	81.6	86.8
10 Matrix Spike Dupl.	272	283	NA	NA	NA	NA
% Recovery	109	113	NA	NA	83.7	89.2
% Relative Standard Deviation	3.96	5.07	NA	NA	NA	NA
21 Matrix Spike	281	282	NA	NA	NA	NA
% Recovery	112	113	NA	NA	89.5	96.5
21 Matrix Spike Dupl.	283	283	NA	NA	NA	NA
% Recovery	113	113	NA	NA	87.3	96.2
% Relative Standard Deviation	0.71	0.35	NA	NA	NA	NA
56 Matrix Spike	258	272	NA	NA	NA	NA
% Recovery	103	109	NA	NA	82.6	84.1
56 Matrix Spike Dupl.	223	264	NA	NA	NA	NA
% Recovery	89.2	106	NA	NA	79.2	79.1
% Relative Standard Deviation	14.6	2.98	NA	NA	NA	NA
62 Matrix Spike	248	271	NA	NA	NA	NA
% Recovery	99.1	108	NA	NA	88.2	88.6
62 Matrix Spike Dupl.	246	258	NA	NA	NA	NA
% Recovery	98.2	103	NA	NA	93.4	90.5
% Relative Standard Deviation	0.81	4.92	NA	NA	NA	NA

CHEMSOLUTIONS
TABLE 12 (Continued), Page 2 of 2
TPH QUALITY CONTROL RESULTS
Project ID: COR002

Sample #	Gasoline Range Organics	Diesel Range Organics	Motor Oil Range Organics	Total Petroleum Hydrocarbons	1-chlorooctane Surrogate % Recovery	1-chlorooctadecane Surrogate % Recovery
LCS Spike 8/16	281	263	NA	NA	NA	NA
% Recovery	113	105	NA	NA	82.1	85.6
LCS Spike Dupl. 8/16	286	277	NA	NA	NA	NA
% Recovery	115	111	NA	NA	81.8	80.7
% Relative Standard Deviation	1.76	5.18	NA	NA	NA	NA
LCS Spike 8/17	261	262	NA	NA	NA	NA
% Recovery	104	105	NA	NA	81.5	84.1
LCS Spike Dupl. 8/17	261	258	NA	NA	NA	NA
% Recovery	104	103	NA	NA	81.2	85.9
% Relative Standard Deviation	0	1.54	NA	NA	NA	NA
LCS Spike 8/18-1	231	248	NA	NA	NA	NA
% Recovery	92.3	99.0	NA	NA	79.4	82.5
LCS Spike Dupl. 8/18-1	237	252	NA	NA	NA	NA
% Recovery	94.6	101	NA	NA	81.6	88.2
% Relative Standard Deviation	2.56	1.60	NA	NA	NA	NA
LCS Spike 8/18-2	245	276	NA	NA	NA	NA
% Recovery	98.0	110	NA	NA	89.4	94.3
LCS Spike Dupl. 8/18-2	243	273	NA	NA	NA	NA
% Recovery	97.3	109	NA	NA	97.0	102
% Relative Standard Deviation	0.82	1.09	NA	NA	NA	NA
Reporting Limit	20	20	20	20	NA	NA

NA = Not Applicable.

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CHEMSOLUTIONS
TABLE 13
TPH RESULTS
Project ID: COR002

Client Project ID: 6108, DC35 (B1DCU)
Method: EPA 8015 modified
Sample Matrix: Water
Units: mg/L (ppm)

Date Sampled: 8/17/07
Date Received: 8/17/07
Date Analyzed: 8/19/07

Sample #	Gasoline Range Organics	Diesel Range Organics	Motor Oil Range Organics	Total Petroleum Hydrocarbons	1-chlorooctane Surrogate % Recovery	1-chlorooctadecane Surrogate % Recovery
59	ND	ND	ND	ND	68.6	83.5
Blank	ND	ND	ND	ND	78.8	85.2
Reporting Limit	2	2	2	2		

ND=Not Detected

8/23/07

CHEMSOLUTIONS
TABLE 14
TPH QUALITY CONTROL RESULTS
Project ID: COR002

Client Project ID: 6108, DC35 (B1DCU)
Method: EPA 8015 modified
Sample Matrix: Water
Units: mg/L (ppm)

Date Sampled: 8/17/07
Date Received: 8/17/07
Date Analyzed: 8/19/07

Sample #	Gasoline Range Organics	Diesel Range Organics	Motor Oil Range Organics	Total Petroleum Hydrocarbons	1-chlorooctane Surrogate % Recovery	1-chlorooctadecane Surrogate % Recovery
59 Matrix Spike	25.8	23.4	NA	NA	NA	NA
% Recovery	103	93.8	NA	NA	80.7	89.0
59 Matrix Spike Dupl.	24.6	24.8	NA	NA	NA	NA
% Recovery	98.5	99.2	NA	NA	71.7	70.7
% Relative Standard Deviation	4.76	5.81	NA	NA	NA	NA
LCS Spike	25.6	25.0	NA	NA	NA	NA
% Recovery	102	99.9	NA	NA	80.5	84.7
LCS Spike Dupl.	25.6	25.2	NA	NA	NA	NA
% Recovery	103	101	NA	NA	78.4	82.1
% Relative Standard Deviation	0	0.80	NA	NA	NA	NA
Reporting Limit	2	2	2	2	NA	NA

NA = Not Applicable.

8/23/07

CHEMSOLUTIONS
TABLE 15
METALS RESULTS
Project ID: COR002

Client Project ID: 6108, DC35 (B1DCU)
Method: EPA 6200
Sample Matrix: Soil
Units: mg/Kg (ppm)
Dried Sample

Date Sampled: 8/15-8/18/07
Date Received: 8/16-8/18/07
Date Analyzed: 8/19/07

Sample #	Pb	Ag	As	Ba	Cd	Cr	Hg	Se
7	39	<LOD	<LOD	726	<LOD	<LOD	<LOD	<LOD
35	25	<LOD	<LOD	917	<LOD	<LOD	<LOD	<LOD
62	24	<LOD	<LOD	995	<LOD	<LOD	<LOD	<LOD
26	26	<LOD	<LOD	1060	<LOD	<LOD	<LOD	<LOD
36, 4-4.5'	25	<LOD	<LOD	822	<LOD	<LOD	<LOD	<LOD
37	118	<LOD	<LOD	612	<LOD	<LOD	<LOD	<LOD
Blank	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD
26 Duplicate	25	<LOD	<LOD	970	<LOD	<LOD	<LOD	<LOD
% Difference	3.92	NA	NA	8.87	NA	NA	NA	NA
Level of Detection	5	40	4	100	60	80	7	5

NA = Not applicable.

<LOD = Less than level of detection.

---End of Report---

Chain of Custody

CHEMSOLUTIONS

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Client Name & Address: Cordilleran Compliance 82621/2 Rd GJ. CO 81504	Client Project Name & Location: DC 35 (B1 DCU)	ChemSolutions Project #: COR002
Contact Person: William Monroe		Location Received: (On-site) Base Lab
Phone #: 970-263-7800		Custody Seals: Intact Broken (Absent)
FAX #: 970-263-7456	Client Project Number: 6108	Date/Time Refrigerated: 8/16/07 1038 Rec'd chilled
E-mail: billmonroe@cordcomp.com	Invoice to:	

Sample Description	Date Sampled	Time Sampled	Matrix	# of Containers	Requested Analysis: GRO	DRO	BTEX			Remarks
1	8-15-07	1300	SS	2						
2	"	1315	"	"						
3	"	1330	"	"						
4	"	1340	"	"						
5	"	1400	"	"						
6	"	1405	"	"						
7	"	1430	"	"						
8	"	1445	"	"						
9	"	1450	"	"						
10	↓	1455	↓	↓						

Sampled and Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	8-16-07	1030	[signature]	8/16/07	1030
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

CHEMSOLUTIONS

Chain of Custody

7332 S. Alton Way, #13G
Centennial, CO 80112
E-mail:john@chemmobile.com
Phone:(303)771-5570
Fax: (303)771-5574

Client Name & Address: Cordilleran Contact Person: W. Monroe Phone #: 970 263-7800 FAX #: 970-263-7456 E-mail: billmonroe@cordcomp.com	Client Project Name & Location: DC35 (B1 DCU) Client Project Number: 6108 Invoice to:	ChemSolutions Project #: COR002 Location Received: (On-site) Base Lab Custody Seals: Intact Broken (Absent) Date/Time Refrigerated: 8/16/07 1443 19

Sample Description	Date Sampled	Time Sampled	Matrix	# of Containers	TPH GRO	TPH DRO	BTEX ORO			Remarks
11	8-16-07	1150	SS	1	X	X	X			
12	↓	1155	↓	↓	↓	↓	↓			
13		1200								
14		1205								
15		1210								
16		1215								
17		1220								
18		1222								
19		1255								
20		1300								

Sampled and Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	8-16-07	1430	[signature]	8/16/07	1430
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Chain of Custody

CHEMSOLUTIONS

7332 S. Alton Way, #13G
Centennial, CO 80112
E-mail:john@chemmobile.com
Phone:(303)771-5570
Fax: (303)771-5574

Client Name & Address:	Client Project Name & Location:	ChemSolutions Project #: COR002
Cordilleran	DC 35 (B1 DCU)	Location Received: On-site / Base Lab
Contact Person: W. Monroe		Custody Seals: Intact / Broken / Absent
Phone #: 970-263-7800		Date/Time Refrigerated: 8/16/07 1443 MG
FAX #: 970-263-7456	Client Project Number: 6108	
E-mail: bill monroe@cordcomp.com	Invoice to:	

Sample Description	Date Sampled	Time Sampled	Matrix	# of Containers	Requested Analysis: TPH GRO	TPH DRO	BTEX			Remarks
21	8-16-07	1320	SS	1	X	X	X			
22	↓	1330	↓	↓	↓	↓	↓			
23	↓	1335	↓	↓	↓	↓	↓			
24	↓	1340	↓	↓	↓	↓	↓			
25	↓	1345	↓	↓	↓	↓	↓			
26	↓	1350	↓	↓	↓	↓	↓			
27	↓	1355	↓	↓	↓	↓	↓			
28	↓	1400	↓	↓	↓	↓	↓			
29	↓	1405	↓	↓	↓	↓	↓			
30	↓	1410	↓	↓	↓	↓	↓			

Sampled and Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	8-16-07	1440	[signature]	8/16/07	1440
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Chain of Custody

CHEMSOLUTIONS

7332 S. Alton Way, #13G
Centennial, CO 80112
Phone:(303)771-5570
Fax: (303)771-5574
E-mail:john@chemmobile.com

Client Name & Address:	Client Project Name & Location:	ChemSolutions Project #: COR002
Cord. Horan		Location Received: On-site Base Lab
Contact Person: W. Monroe		Custody Seals: Intact Broken Absent
Phone #: 970 263 7800		
FAX #: 970 263 7456	Client Project Number: 7137	Date/Time Refrigerated: 8/17/07 1520
E-mail: b.llmonroe@cordcomp.com	Invoice to:	

Sample Description	Date Sampled	Time Sampled	Matrix	# of Containers	Requested Analysis: GRO	DRO	BTEX			Remarks
31	8-17-07	1040	SS	1	X	X	X			
32	↓	1045	↓	↓	↓	↓	↓			
33		1050								
34		1055								
35		1100								
36		1105								
37		1110								
38		1115								
39		1120								
40	↓	1125	↓	↓	↓	↓	↓			

Sampled and Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	8.17.07	1500	[signature]	8/17/07	1500
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Chain of Custody

CHEMSOLUTIONS

7332 S. Alton Way, #13G
Centennial, CO 80112
E-mail:john@chemmobile.com
Phone:(303)771-5570
Fax: (303)771-5574

Client Name & Address:	Client Project Name & Location:	ChemSolutions Project #: COR007
Cordillera Contact Person: W. Monroe Phone #: 970-263-7500 FAX #: 970-263-7456 E-mail: bill.monroe@cordcomp.com	Client Project Number: 7137 Invoice to:	Location Received: (On-site) Base Lab Custody Seals: Intact Broken (Absent) Date/Time Refrigerated: 8/17/07 1520

Sample Description	Date Sampled	Time Sampled	Matrix	# of Containers	Requested Analysis: GRO	DRO	BTEX			Remarks
41	8.17.07	1135	SS	1	x	x	x			
42	↓	1305	↓	↓	↓	↓	↓			
43	↓	1310	↓	↓	↓	↓	↓			
44	↓	1315	↓	↓	↓	↓	↓			
45	↓	1317	↓	↓	↓	↓	↓			
46	↓	1320	↓	↓	↓	↓	↓			
47	↓	1322	↓	↓	↓	↓	↓			
48	↓	1325	↓	↓	↓	↓	↓			
49	↓	1327	↓	↓	↓	↓	↓			
50	↓	1330	↓	↓	↓	↓	↓			

Sampled and Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	8.17.07	1500	[signature]	8/17/07	1500
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Chain of Custody

CHEMSOLUTIONS

7332 S. Alton Way, #13G
Centennial, CO 80112
Phone:(303)771-5570
Fax: (303)771-5574
E-mail:john@chemmobile.com

Client Name & Address:	Client Project Name & Location:	ChemSolutions Project #: COR002
Cordilleran		Location Received: (On-site) Base Lab
Contact Person: W. Monroe		Custody Seals: Intact Broken (Absent)
Phone #: 970-263-7300		Date/Time Refrigerated: 8/17/07 1520
FAX #: 970-263-7456	Client Project Number: 7137	
E-mail: bmonroe@cordcomp.com	Invoice to:	

Sample Description	Date Sampled	Time Sampled	Matrix	# of Containers	Requested Analysis: GRO	DRO	BTEX			Remarks
S1	8-17-07	1335	SS	1	X	X	X			
S2	"	1337	"	"	"	"	"			
S3	"	1340	"	"	"	"	"			
S4	"	1345	"	"	"	"	"			
S5	"	1347	"	"	"	"	"			
S6	"	1350	"	"	"	"	"			
S7	"	1355	"	"	"	"	"			
S8	"	1420	"	"	"	"	"			
S9	"	1430	water	8	"	"	"			

Sampled and Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	8-17-07	1500	[signature]	8/17/07	1500
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Chain of Custody

CHEMSOLUTIONS

7332 S. Alton Way, #13G
Centennial, CO 80112
E-mail:john@chemmobile.com
Phone:(303)771-5570
Fax: (303)771-5574

Client Name & Address:	Client Project Name & Location:	ChemSolutions Project #: COR002
Cordilleran	DC 35 (BI-DCU)	Location Received: (On-site) Base Lab
Contact Person: Bill Monroe		Custody Seals: Intact Broken (Absent)
Phone #: 970-263-7800		
FAX #: 970-263-7456	Client Project Number: 7137	Date/Time Refrigerated: 8/18/07 1412
E-mail: billmonroe@cordcomp.com	Invoice to:	

Sample Description	Date Sampled	Time Sampled	Matrix	# of Containers	Requested Analysis: GRO	DRO	BTEX			Remarks
26, 1-1.5'	8-18-07	1146	SS	1	X	X	X			
37, 1-1.5'	"	1155	"	1	"	"	"			
36, 1-1.5'	"	1210	"	1	"	"	"			
36, 3-3.5'	"	1225	"	1	"	"	"			
36, 4-4.5'	"	1235	"	2	"	"	"			
60	"	1330	"	1	"	"	"			
61	"	1335	"	1	"	"	"			
62	"	1337	"	1	"	"	"			
63	↓	1340	↓	1	↓	↓	↓			

Sampled and Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	8-18-07	1400	[signature]	8-18-07	1400
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

ATTACHMENT C

ENVIRONMENTAL SCIENCE CORPORATION
WASTE CHARACTERIZATION SOIL SAMPLE RESULTS

ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Mr. James Hix
Cordilleran Compliance Services - CO
5550 Marshall St.

Arvada, CO 80002

Report Summary

Wednesday August 22, 2007

Report Number: L307003
Samples Received: 08/17/07
Client Project: 6108

Description: DCU-35

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

John D. Rose, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 09227, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140
NJ - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

ENVIRONMENTAL
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Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. James Hix
Cordilleran Compliance Services - C
5550 Marshall St.
Arvada, CO 80002

August 22,2007

ESC Sample # : L307003-01

Date Received : August 17, 2007
Description : DCU-35

Site ID :

Sample ID : SS-1 0-2IN

Project # : 6108

Collected By : David Peters
Collection Date : 08/14/07 12:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.020	mg/kg	8310	08/20/07	1
Acenaphthene	BDL	0.020	mg/kg	8310	08/20/07	1
Acenaphthylene	BDL	0.020	mg/kg	8310	08/20/07	1
Benzo(a)anthracene	BDL	0.020	mg/kg	8310	08/20/07	1
Benzo(a)pyrene	BDL	0.020	mg/kg	8310	08/20/07	1
Benzo(b)fluoranthene	BDL	0.020	mg/kg	8310	08/20/07	1
Benzo(g,h,i)perylene	BDL	0.020	mg/kg	8310	08/20/07	1
Benzo(k)fluoranthene	BDL	0.020	mg/kg	8310	08/20/07	1
Chrysene	BDL	0.020	mg/kg	8310	08/20/07	1
Dibenz(a,h)anthracene	BDL	0.020	mg/kg	8310	08/20/07	1
Fluoranthene	BDL	0.020	mg/kg	8310	08/20/07	1
Fluorene	BDL	0.020	mg/kg	8310	08/20/07	1
Indeno(1,2,3-cd)pyrene	BDL	0.020	mg/kg	8310	08/20/07	1
1-Methylnaphthalene	BDL	0.020	mg/kg	8310	08/20/07	1
2-Methylnaphthalene	BDL	0.020	mg/kg	8310	08/20/07	1
Naphthalene	BDL	0.020	mg/kg	8310	08/20/07	1
Phenanthrene	BDL	0.020	mg/kg	8310	08/20/07	1
Pyrene	BDL	0.020	mg/kg	8310	08/20/07	1
Surrogate						
p-Terphenyl-d14	62.0		% Rec.	8310	08/20/07	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 08/22/07 13:09 Printed: 08/22/07 13:39

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SCIENCE CORP.

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Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. James Hix
Cordilleran Compliance Services - C
5550 Marshall St.
Arvada, CO 80002

August 22,2007

ESC Sample # : L307003-02

Date Received : August 17, 2007
Description : DCU-35

Site ID :

Sample ID : SS-1 0-2IN

Project : 6108

Collected By : David Peters
Collection Date : 08/14/07 12:45

Parameter	Result	Det. Limit	Units	Limit	Method	Date/Time	By	Dil
TCLP Extraction	-				1311	08/21/07 1010	LJN	1
Barium	0.90	0.050	mg/l	100	6010B	08/22/07 0340	LAT	1

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)
Limit - Maximum Contaminant Level as established by the US EPA
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 08/22/07 13:09 Printed: 08/22/07 13:39

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L307003-01	Acenaphthene	J3
	Acenaphthylene	J3
	1-Methylnaphthalene	J3
	2-Methylnaphthalene	J4J3
	Naphthalene	J4J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

	Control Limits				(AQ)	(SS)
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromfluoromethane	68-128	64-125
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	76-115	69-118
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	79-127	61-134

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
08/22/07 at 13:39:47

TSR Signing Reports: 151
R3 - Rush: Two Day

cb-01/05; Watch dilutions on PAH - client needs to see 0.041 ppm on soils; As by ICP-MS on baselines

Sample: L307003-01 Account: CORCOMCO Received: 08/17/07 09:00 Due Date: 08/21/07 00:00 RPT Date: 08/22/07 13:09

Sample: L307003-02 Account: CORCOMCO Received: 08/17/07 09:00 Due Date: 08/22/07 00:00 RPT Date: 08/22/07 13:09
Added TCLP Ba per JR -JCH 8/20

Company Name/Address:
Cordilleran Compliance Services
5550 Marshall St.
Arvada, Co 80002

Alternate billing information:

Analysis/Container/Preservative

Chain of Custody
Page 1 of 1

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

Report to: James Hix
Email to: jameshix@cordcomp.com

Project Description: DCU-35
City/State Collected: Uncle

Phone: 303237-2072
FAX:

Client Project #: 6108
ESC Key:

Collected by: David Peters
Site/Facility ID#:
P.O.#: 6108

Collected by (signature):
Packed on Ice N (Y)

Rush? (Lab MUST Be Notified)
____ Same Day. 200%
____ Next Day. 100%
____ Two Day 50%

Date Results Needed:
Email? __No X Yes
FAX? __No __Yes

CoCode (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	PAH by EPA method 8310	Remarks/Contaminant	Sample # (lab only)
SS-1	COMP	SS	0-2"	8-14-07	1245	2	X		L307003-01/02

*Matrix: **SS** - Soil/Solid **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____	Condition: (lab use only)
	8/16/07	0800	FEDX		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.8° / Bottles Received: 2/03	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/17/07 / Time: 1100	pH Checked: / NCF:

Jonah Huckabay L307003

From: John Rose
Sent: Monday, August 20, 2007 10:08 AM
To: Login; Jim Burns
Subject: FW L307003

Please add TCLP - extraction and Barium to this sample. We had 2 4oz jars shipped in.

Thanks
John.

-----Original Message-----
From: James Hix [mailto:jameshix@cordcomp.com]
Sent: Monday, August 20, 2007 9:46 AM
To: John Rose
Subject: RE: Login Confirmation for 6108 - L307003

John,
If there is enough soil volume left over I need to run a TCLP barium on this sample.

James W. Hix
Senior Geologist
Cordilleran Compliance Services, Inc.
T. 303.237.2072
F. 303.237.2659
Email: jameshix@cordcomp.com
-----Original Message-----
From: jrose@envsci.com [mailto:jrose@envsci.com]
Sent: Saturday, August 18, 2007 11:17 AM
To: jameshix@cordcomp.com
Subject: Login Confirmation for 6108 - L307003

Please find enclosed a PDF file containing
your laboratory login confirmation report.

Thank you,

Environmental Science Corp.
615-758-5858

ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Mr. James Hix
Cordilleran Compliance Services - CO
5550 Marshall St.

Arvada, CO 80002

Report Summary

Wednesday June 20, 2007

Report Number: L298301
Samples Received: 06/16/07
Client Project: 6108

Description: DCU-35

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

John D. Rose, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 09227, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140
NJ - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

1 Samples Reported: 06/20/07 09:43 Revised: 06/20/07 14:51

ENVIRONMENTAL
SCIENCE CORP.

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Mt. Juliet, TN 37122
(615) 758-5858
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. James Hix
Cordilleran Compliance Services - C
5550 Marshall St.
Arvada, CO 80002

June 20, 2007

ESC Sample # : L298301-01

Date Received : June 16, 2007
Description : DCU-35

Site ID :

Sample ID : SS-1 0-1 IN

Project # : 6108

Collected By : David Peters
Collection Date : 06/14/07 15:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
pH	7.1		su	9045C	06/19/07	1
Sodium Adsorption Ratio	0.80			Calc.	06/19/07	1
Specific Conductance	810		umhos/cm	9050AMod	06/19/07	1
Mercury	0.026	0.020	mg/kg	7471	06/19/07	1
Arsenic	BDL	1.0	mg/kg	6010B	06/18/07	1
Barium	220	0.25	mg/kg	6010B	06/18/07	1
Cadmium	0.45	0.25	mg/kg	6010B	06/18/07	1
Chromium	7.3	0.50	mg/kg	6010B	06/18/07	1
Copper	11.	1.0	mg/kg	6010B	06/18/07	1
Lead	12.	0.25	mg/kg	6010B	06/18/07	1
Molybdenum	BDL	0.25	mg/kg	6010B	06/18/07	1
Nickel	9.6	1.0	mg/kg	6010B	06/18/07	1
Selenium	2.2	1.0	mg/kg	6010B	06/18/07	1
Silver	BDL	0.50	mg/kg	6010B	06/18/07	1
Zinc	91.	1.5	mg/kg	6010B	06/18/07	1
Benzene	BDL	0.0025	mg/kg	8021/8015	06/18/07	5
Toluene	BDL	0.025	mg/kg	8021/8015	06/18/07	5
Ethylbenzene	BDL	0.0025	mg/kg	8021/8015	06/18/07	5
Total Xylene	BDL	0.0075	mg/kg	8021/8015	06/18/07	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	GRO	06/18/07	5
Surrogate Recovery (70-130)						
a,a,a-Trifluorotoluene(FID)	96.2		% Rec.	8021/8015	06/18/07	5
a,a,a-Trifluorotoluene(PID)	84.2		% Rec.	8021/8015	06/18/07	5
TPH (GC/FID) High Fraction	16000	4.0	mg/kg	3546/DRO	06/19/07	1
Surrogate Recovery (50-150)						
o-Terphenyl	0.00		% Rec.	3546/DRO	06/19/07	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 06/20/07 09:43 Revised: 06/20/07 14:51

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L298301-01	o-Terphenyl	J7

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J7	Surrogate recovery limits cannot be evaluated; surrogates were diluted out

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

	Control Limits				(AQ)	(SS)
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromfluoromethane	68-128	64-125
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	76-115	69-118
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	79-127	61-134

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
06/20/07 at 14:51:22

TSR Signing Reports: 151
R3 - Rush: Two Day

cb-01/05; Watch dilutions on PAH - client needs to see 0.041 ppm on soils; As by ICP-MS on baselines

Sample: L298301-01 Account: CORCOMCO Received: 06/16/07 09:00 Due Date: 06/19/07 00:00 RPT Date: 06/20/07 09:43

Company Name/Address:
Cordilleran Compliance Services
5550 Marshall St.
Arvada, CO 80002

Alternate billing information:
RUSH
RESULTS!

Report to: James Hix
Email to: JamesH.kCcordcomp.com

Project Description: DCU-35
City/State Collected: RH, CO

Phone: 303-237-2072
FAX:

Client Project #: 6108
ESC Key:

Collected by: David Peley
Site/Facility ID#:
P.O.#: 6106

Collected by (Signature):
Packed on Ice N Y

~~Rush?~~ (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
__X__ Two Day.....50%

Date Results Needed:
Email? __No__X__Yes
FAX? __No__Yes

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	GRO, DRO by EPA mod. 8015	Electrical Conductivity (EESC) by EPA Mod. 9050A	S.A.R. by EPA method 9056	pH by method 9045C	Total Metals by EPA meth. 3050 & 6010/7471 Ca, Ba, Cr, Cu, Fe, Mg, Mo, Ni, Se, Ag, Zn	BTEX by EPA Method 8021B	Remarks/Contaminant	Sample # (lab only)
SS-1	GRAB	SS	0-1"	6-14-07	1500	6	X	X	X	X	X	X	ICE	129830-01

Analysis/Container/Preservative

Chain of Custody Page 1 of 1

Prepared by:
ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

CoCode (lab use only)
Template/Prelogin
Shipped Via:

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____
Flow _____ Other _____

Remarks: 7925 0458 1419

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	6-15-07	0720	FED-X
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____

Temp:	Bottles Received:
3.0°	4-40z
Date: 6-16-07	Time: 9:00

Condition: (lab use only)
pH Checked:
NCF:

ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Mr. James Hix
Cordilleran Compliance Services - CO
5550 Marshall St.

Arvada, CO 80002

Report Summary

Thursday June 21, 2007

Report Number: L298326
Samples Received: 06/16/07
Client Project: 6108

Description: DCU-35

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

John D. Rose, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 09227, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140
NJ - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. James Hix
Cordilleran Compliance Services - C
5550 Marshall St.
Arvada, CO 80002

June 21, 2007

ESC Sample # : L298326-01

Date Received : June 16, 2007
Description : DCU-35

Site ID :

Sample ID : WS-1

Project # : 6108

Collected By : David Peters
Collection Date : 06/14/07 15:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	17.	1.0	mg/l	9056	06/18/07	1
Sulfate	5.1	5.0	mg/l	9056	06/18/07	1
Benzene	BDL	0.00050	mg/l	8021B	06/16/07	1
Toluene	BDL	0.0050	mg/l	8021B	06/16/07	1
Ethylbenzene	BDL	0.00050	mg/l	8021B	06/16/07	1
Total Xylene	BDL	0.0015	mg/l	8021B	06/16/07	1
Surrogate Recovery (77-118)						
a,a,a-Trifluorotoluene(PID)	107.		% Rec.	8021B	06/16/07	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 06/21/07 17:46 Printed: 06/21/07 20:47

ENVIRONMENTAL
SCIENCE CORP.

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(615) 758-5858
1-800-767-5859
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. James Hix
Cordilleran Compliance Services - C
5550 Marshall St.
Arvada, CO 80002

June 21, 2007

ESC Sample # : L298326-02

Date Received : June 16, 2007
Description : DCU-35

Site ID :

Sample ID : WS-1

Project # : 6108

Collected By : David Peters
Collection Date : 06/14/07 15:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury,Dissolved	BDL	0.00020	mg/l	7470A	06/20/07	1
Arsenic,Dissolved	BDL	0.020	mg/l	6010B	06/21/07	1
Barium,Dissolved	0.24	0.0050	mg/l	6010B	06/21/07	1
Cadmium,Dissolved	BDL	0.0050	mg/l	6010B	06/21/07	1
Chromium,Dissolved	BDL	0.010	mg/l	6010B	06/21/07	1
Lead,Dissolved	BDL	0.0050	mg/l	6010B	06/21/07	1
Molybdenum,Dissolved	BDL	0.0050	mg/l	6010B	06/21/07	1
Nickel,Dissolved	BDL	0.020	mg/l	6010B	06/21/07	1
Selenium,Dissolved	BDL	0.020	mg/l	6010B	06/21/07	1
Silver,Dissolved	BDL	0.010	mg/l	6010B	06/21/07	1
Zinc,Dissolved	BDL	0.030	mg/l	6010B	06/21/07	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 06/21/07 17:46 Printed: 06/21/07 20:47

ENVIRONMENTAL
SCIENCE CORP.

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Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. James Hix
Cordilleran Compliance Services - C
5550 Marshall St.
Arvada, CO 80002

June 21, 2007

ESC Sample # : L298326-03

Date Received : June 16, 2007
Description : DCU-35

Site ID :

Sample ID : WS-1

Project # : 6108

Collected By : David Peters
Collection Date : 06/14/07 15:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dissolved Solids	460	1.0	mg/l	160.1	06/19/07	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 06/21/07 17:46 Printed: 06/21/07 20:47

Summary of Remarks For Samples Printed
06/21/07 at 20:47:21

TSR Signing Reports: 151
R3 - Rush: Two Day

cb-01/05; Watch dilutions on PAH - client needs to see 0.041 ppm on soils; As by ICP-MS on baselines

Sample: L298326-01 Account: CORCOMCO Received: 06/16/07 09:00 Due Date: 06/19/07 00:00 RPT Date: 06/21/07 17:46

Sample: L298326-02 Account: CORCOMCO Received: 06/16/07 09:00 Due Date: 06/21/07 00:00 RPT Date: 06/21/07 17:46

Sample: L298326-03 Account: CORCOMCO Received: 06/16/07 09:00 Due Date: 06/19/07 00:00 RPT Date: 06/21/07 17:46

Company Name/Address:
Cordilleran Compliance Services
5550 Marshall St.
Arvada, CO 80002

Alternate billing information:
ROSH
RESULTS!

Report to: James Hix
Email to: jameshix@cordcomp.com

Project Description: DCO-35
City/State Collected: R.He

Phone: 303-237-2072
FAX:
Client Project #: 6108
ESC Key:

Collected by: David Peters
Site/Facility ID#:
P.O.#: 6108

Collected by (signature):
Packed on Ice N Y

Rush? (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
X Two Day.....50%

Date Results Needed:
Email? __No X Yes
FAX? __No __Yes

Analysis/Container/Preservative
BTEX by EPA meth. 8021B
Chlorides by EPA meth. 9056
Sulfates by EPA meth. 9056
TOTAL DISS. METALS by SW846/140CFR SAMPLE NOT FIELD FILTERED.
TDS by SW2540C meth.

Chain of Custody Page 1 of 1

Prepared by:
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12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

CoCode (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	BTEX	Chlorides	Sulfates	TOTAL DISS. METALS	TDS	Remarks/Contaminant	Sample # (lab only)
WS-1	GRAB	Water	N/A	6-14-07	1500	5	X	X	X			ICE	1298326-01
WS-1	GRAB	Water	N/A	6-14-07	1500	1				X		ICE	02
WS-1	GRAB	Water	N/A	6-14-07	1500	1					X		03

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____

Remarks: 7925 0458 1419

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐	Condition: (lab use only)
	6/15/07	0700	FED-X		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 35 Bottles Received: 7	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6-16-07 Time: 9.00	pH Checked: NCF

ATTACHMENT D

SITE PHOTOGRAPHS

Subject: A sensitive area with standing water was identified at the base of the DCU #35 (B1) well pad. Snow melt caused the drill cuttings pit onsite to over flow resulting in impacts to the sensitive area during the spring of 2007.

Date: June 14, 2007

View: East

Subject: The sensitive area had standing water at the base of the DCU #35 (B1) well pad in the spring-early summer of 2007. Straw wattles were in place for storm water control to retain sediment in run off from the well pad. Absorbent booms were placed to skim petroleum hydrocarbon sheens on the water surface. The pond is located in the upper left hand corner of the picture and is separated by a hummock.

Date: June 14, 2007

View: East-northeast

Subject: Straw wattles were placed on the slope of the well pad up to the access road to control sediment in storm water run off from the well pad. The picture shows one of the slopes from the pad where drilling fluids are suspected of running off into the sensitive area.

Date: August 14, 2007

View: Northwest

Subject: Photograph shows how the sensitive are looked in August 2007 and the well pad shown in the background. The areas that had water in June were dry. Vegetation did not appear to be chemically stressed from the release. A hummock separating the impacted area is shown in the foreground.

Date: August 14, 2007

View: South

Subject: The sensitive area is within a swale located on a bench to the east-northeast of the well pad. A hummock shown in the foreground separates it from the drainage to a pond located northeast of the area of impact. Straw wattles were placed in the swale to control sediment entrained in the runoff.

Date: August 14, 2007

View: Southeast

Subject: The pond was observed to contain aquatic life, possibly either tadpoles or salamanders. A bio-film was observed on the water surface but it did not exhibit an iridescent sheen suggesting petroleum hydrocarbons. A water sample was analyzed by the Chemsolutions mobile laboratory and petroleum hydrocarbons were not detected.

Date: August 14, 2007

View: East

	**Subject:** The photograph shows the drainage down to the pond and the ridge or hummock separating this drainage from the impacted area. One of the straw wattles on the slope of the well pad indicates the direction of flow from the pad. **Date:** August 14, 2007 **View:** West
	**Subject:** Surface soils in the impacted area immediately downgradient of the well pad exhibited some staining; however, site vegetation did not appear to be chemically stressed. Downward migration of petroleum hydrocarbons in the drill cuttings generally appears to have been limited by the clay soils and/or the ground being frozen at the time of the release. **Date:** August 14, 2007 **View:** N/A - South
	**Subject:** Photograph shows the well pad slope to the south of the sensitive area and storm water controls. There were reportedly two areas where the drilling liquids entered the sensitive area. **Date:** August 14, 2007 **View:** South

Subject: Photograph shows an overview of the impacted area from the well pad. Straw wattles have been placed roughly perpendicular to the flow of storm water to trap sediment. Storm water flow is direct to the upper right hand side of the photograph. The sensitive areas that receive more water are more lush with vegetation than the surrounding areas.

Date: August 16, 2007

View: East - Southeast

Subject: The sampling grid was set up by staking the perimeter of the investigation area with five green T-Posts (Sample locations #1 - #5) and then marking the interior sample locations with pin flags. Booms were placed in the sensitive area in June 2007 to skim oil from the storm water.

Date: August 16, 2007

View: South

Subject: Photograph shows booms used to skim oil on storm water in June 2007 at the edge of the bench and yellow pin flags showing soil sample locations.

Date: August 16, 2007

View: South - Southeast