



02170908



July 31, 2012

Mr. John Axelson, P.G.
State of Colorado Oil & Gas Conservation Commission
1120 Lincoln St., Suite 801
Denver, CO 80203

Subject: Variance for Remedial Alternative, Schwake A-2 Tank Battery, Facility No.
100305, NWNE Sec 6, T-11-N, R-52-W,
Logan County, Colorado

Dear Mr. Axelson:

East Cheyenne Gas Storage, LLC (ECGS) is performing remedial activities at the Schwake A-2 Tank Battery site pursuant to the Remediation Work Plan conditionally approved by the Colorado Oil & Gas Conservation Commission (COGCC) on February 2, 2010. The landfarm was constructed in December of 2010 and bioremediation of the affected soil commenced at that time. Based on the recent sampling results collected in May 2012 for the landfarm contents, all but a small volume of the affected soil has been treated to applicable standards. ECGS is submitting this variance request to dispose of the residual amount of affected soil in an off-site landfill rather than continue operation of the landfarm.

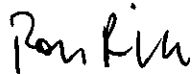
The landfarm has successfully treated approximately 2,200 cubic yards (CY) of total petroleum hydrocarbon (TPH) affected soil. As of May 5, 2012, approximately 400 CY of soil were reported to exceed the COGCC action level for TPH of 500 mg/kg (as specified in Table 910-1 of the COGCC 900 Series Exploration and Production Waste Management Rules). The most direct approach to address the residual affected soil is through off-site disposal.

COGCC Form 4 and the associated Closure Work Plan are attached to this transmittal. With COGCC approval, ECGS will excavated, load, and haul the residual affected soil to Waste Management's Buffalo Ridge Landfill in Keensburg, Colorado. Based on current projections, this activity can be completed within 90 days of COGCC approval of the variance request, including the restoration of the surface conditions at the site.

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We trust the benefits of the revised remedial approach are readily apparent and look forward to receiving any comments or questions concerning the requested variance. Please contact Dennis Schilly at (281) 600-1052 or me at (713) 403-6479 should you need further information.

Sincerely,

A handwritten signature in black ink, appearing to read "Ron Richards".

Ron Richards
Sr. Vice President
Engineering and Operations

cc: Camille Mikhail, Chevron Global Upstream
Jim Webber, Coral Production Company
Paul Stefan, Environmental Resources Management
Dennis Schilly, Environmental Resources Management

Attachments: COGCC Form 4 and Closure Work Plan

COGCC Form 4 and Closure Work Plan
Attachment 1

July 31, 2012

East Cheyenne Gas Storage, LLC
10370 Richmond Avenue, Suite 510
Houston, TX 77042

Closure Work Plan *Attachment 1*

1.0 Introduction

East Cheyenne Gas Storage, LLC is performing remedial activities at the Schwake Well A-2 Tank Battery site in Peetz, Colorado (the site). The site originally consisted of three pits that were historically used to manage liquids generated from production activities. The remedial activities are being performed in accordance with the findings of a site investigation and subsequent remedial design to address an Alleged Notice of Violation to Schneider Energy Services Inc. dated March 31, 2009 from the Colorado Oil and Gas Conservation Commission (COGCC). COGCC conditionally approved the Remediation Work Plan in a letter dated February 2, 2010.

As per the approved work plan, a landfarm was constructed on site in 2010 to bioremediate the reported concentrations of total petroleum hydrocarbon (TPH)-affected materials that were excavated from the Main Pit. At that time, approximately 2,600 cubic yards (CY) of TPH-affected material was transferred to the landfarm. The landfarm has been active since that time. Soil samples were collected and analyzed for TPH in 2011 and 2012 to measure the effectiveness of the remediation program. As of May 5, 2012, approximately 400 in-place CY of soil were reported to exceed the COCGG action level for TPH (500 mg/kg, as specified in Table 910-1 of the COGCC 900 Series Exploration and Production Waste Management Rules). These results suggest that most of the TPH-affected soil, approximately 2,200 CY, was treated. The remaining volume of soil that exceeds the COGCC action level for TPH is low enough that it is reasonable to consider excavating the residual soil and disposing in an off-site landfill. In this way, site restoration activities will commence and close the site in 2012 versus the potential to continue to operate the landfarm.

The purpose of this document is to describe the proposed change in approach for addressing the residual affected soil present in the landfarm. The proposed approach is consistent with the requirements of COGCC Rule 907.e.2., and will serve to: (1) reduce the potential environmental risks for the site by addressing the affected material; and (2) accelerate the schedule for site closure and restoration.

1.1 Scope and Objectives

The scope of this work plan includes the removal and disposal of the material in the landfarm, restoration of the disturbed areas, and closure of the site.

Specific objectives include:

- Provide an overview of the effectiveness of the landfarm bioremediation to date and set the context for closure of the landfarm;
- Revise the site closure work plan for the remaining TPH-affected soil, consistent with COCGG Rule 907.e.2;
- Collect and analyze one soil sample from each of the 57 grids to confirm the reported concentrations of TPH;

- Excavate the landfarm and place the unaffected soil back into the on-site pits and dispose of the TPH-affected soil (TPH \geq 500 mg/kg) at Waste Management's Buffalo Ridge Landfill in Keensburg, Colorado; and
- Perform site restoration activities and close the site consistent with the approved work plan.

1.2 Background Information

The Schwake Well A-2 Tank Battery site is located in the Schwake lease adjacent to the No. 1 well. Figure 1 shows the location of the site in Peets, Colorado. The areas of focus for the remedial activities consisted of three former production water pits, including:

- A Main Pit, measuring approximately 175 feet (ft) long by 80 ft wide by eight (8) ft below grade;
- An Overflow Pit, measuring approximately 145 ft long by 50 ft wide by 12 ft below grade; and
- A circular crude Skimmer Pit, with a diameter of 18 ft by 5 ft below grade.

In accordance with the approved work plan, the remedial construction activities were completed between October and December 2010 to address elevated concentrations of TPH in the Main Pit and Skimmer Pit. The work included the construction of an on-site landfarm; removal and placement of 2,600 cubic yards of TPH-affected material from the Main Pit to the landfarm for bioremediation; removal and off-site disposal of liquids from the Skimmer Pit; excavation and off-site disposal to an approved disposal facility of TPH-affected material from the Skimmer Pit; and collection of confirmation samples. Figure 2 includes a layout of the site illustrating the location of the pits and landfarm. The results of the remedial construction activities were included in the *Remedial Construction Completion Report, Schwake A-2 Tank Battery*, dated March 24, 2011.

The landfarm consists of an approximate four-acre area containing two treatment cells. Within the two treatment cells are 57 grids (Figure 3 and Figure 4). The landfarm has been in operation since December 2010. The remediation program consisted of a series of tilling events followed by soil sampling events. Soil samples were collected on May 5, 2011, July 19, 2011, August 19, 2011, November 17, 2011, and May 15, 2012 and analyzed for TPH – gasoline range organics (TPH-GRO) and TPH – diesel range organics (TPH-DRO) to assess the effectiveness of the first year of the remediation program. In addition, the May 5, 2011 samples were analyzed for benzene, ethylbenzene, toluene, and total xylenes (BTEX) to assess if these constituents were present at concentrations of concern in the landfarm. The following section discusses the results of the sampling program.

1.3 Summary of Remediation Results

A summary of the reported analytical results from the Landfarm sampling events is included in Table 1 and Figure 4 and Appendix A includes laboratory analytical reports. The concentration of TPH reported in Table 1 represents the sum of the concentrations of TPH-GRO and TPH-DRO that was analyzed for each sample and reported by the laboratory. A review of the reported results from the last sampling event for 2011 (performed on November 11, 2011) indicated that six of the 57 grids (L1, G1, G2, G3, G5, and G6) exceeded the Colorado COGCC

action level for TPH (500 mg/kg). These six grids were sampled again on May 15, 2012 to establish a baseline for the 2012 remedial activities. The reported concentrations of TPH in the May 2012 samples varied from the November 2011 results by approximately 10%. This variability is consistent with the range expected for soil sampling, suggesting that the starting TPH concentrations for 2012 are consistent with the end of 2011. A review of the May 2012 sample results indicates that five grids (L1, G2, G3, G5, and G6) remain above the COGCC action level for TPH. These results suggest that approximately 2,200 CY of the landfarm soil has achieved the remediation goal for TPH and approximately 400 CY have reported TPH concentrations that are above the remediation goal for TPH.

Because of the cold winter season in this area, the active treatment period for the landfarm is approximately seven months (April to November).

2.0 Scope of Work

Consistent with the approved work plan, this section outlines a scope of work for site closure that includes returning approximate 2,200 CY of treated soil to the pits and off-site disposal of the approximate 400 CY of soil that exceeds the action level for TPH.

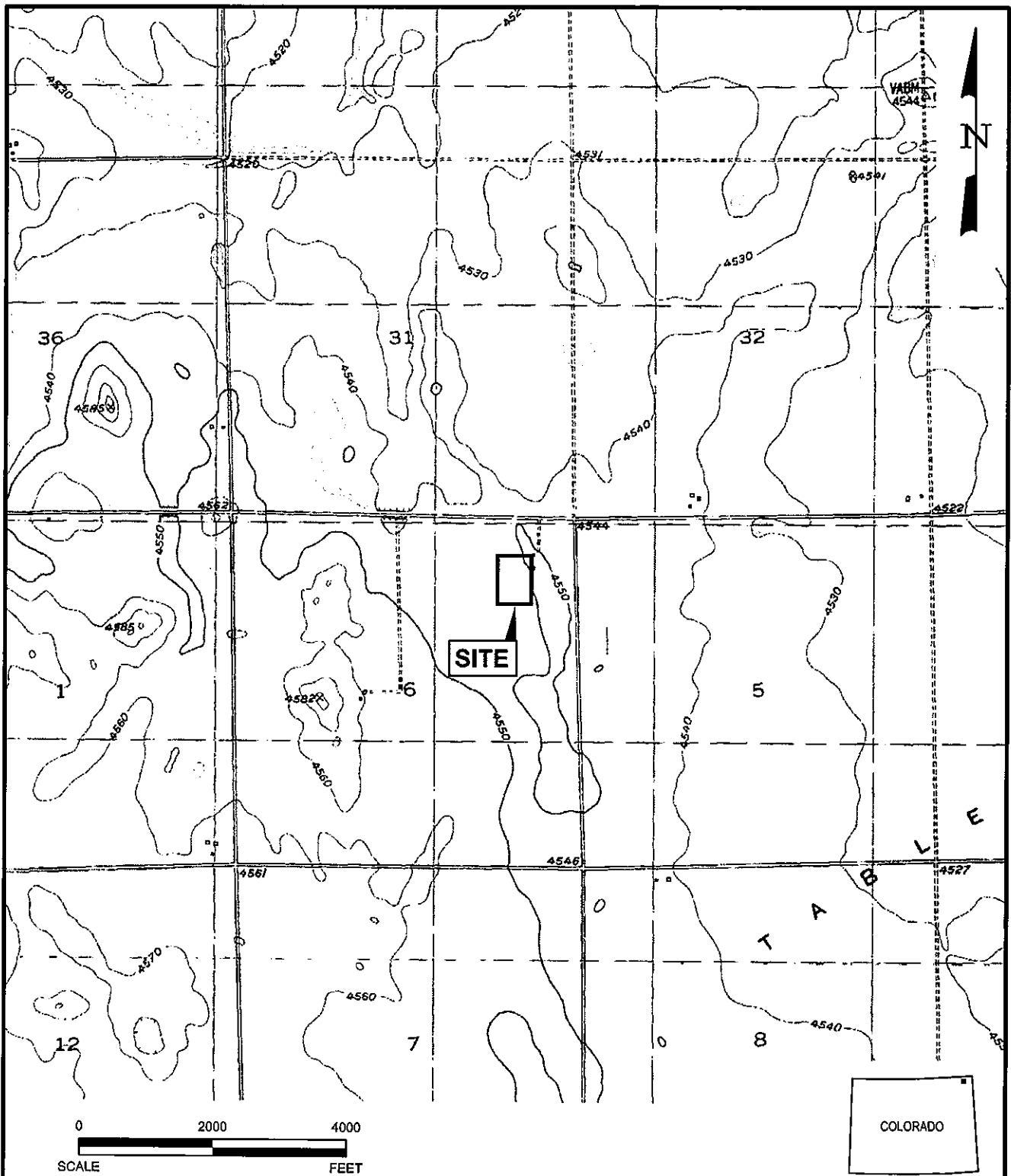
The proposed site closure includes the following steps:

- Collect one soil sample in each of the 57 grids of the landfarm to confirm the reported concentrations of TPH and volumes of TPH-affected and treated soil;
- Excavate and load only the grids with TPH-affected soils (TPH \geq 500 mg/kg) in the landfarm and the associated sand drainage layer, and transport and dispose of the affected soils and sand to the approved off-site landfill, Waste Management's Buffalo Ridge Landfill in Keensburg, CO;
- Excavate and load the treated soils (TPH < 500 mg/kg) in the landfarm and associated landfarm construction material, including the sand drainage layer and clay liner, and transport and place these materials in the Main Pit, Skimmer Pit and Overflow Pit;
- The treated soils, sand layer and clay liner will be excavated one layer at a time, in a manner that facilitates segregation and layered backfilling of this material in the pits in the following sequence: treated soil on the bottom, overlain by sand, overlain by clay;
- Backfill the Main, Skimmer, and Overflow Pits with topsoil from surrounding berm, grade and slope to drain;
- Perform confirmation sampling in the excavated landfarm area, in compliance with Rule 907(e)2, to confirm the limits of the excavation are below COGCC Table 910-1 limits for TPH and that no significant releases have occurred from the landfarm during its operation;
- Upon receipt that the confirmation samples are below COGCC Table 910-1 limits, backfill the landfarm with the on-site stockpiled topsoil originally removed from the landfarm for its construction and restore area to original grade;
- Hydroseed disturbed areas, including the landfarm and three pits, upon completion of work with native seed for growing season.

These steps are consistent with COGCC-approved procedures.

Figures

July 31, 2012
Project No. 0104362



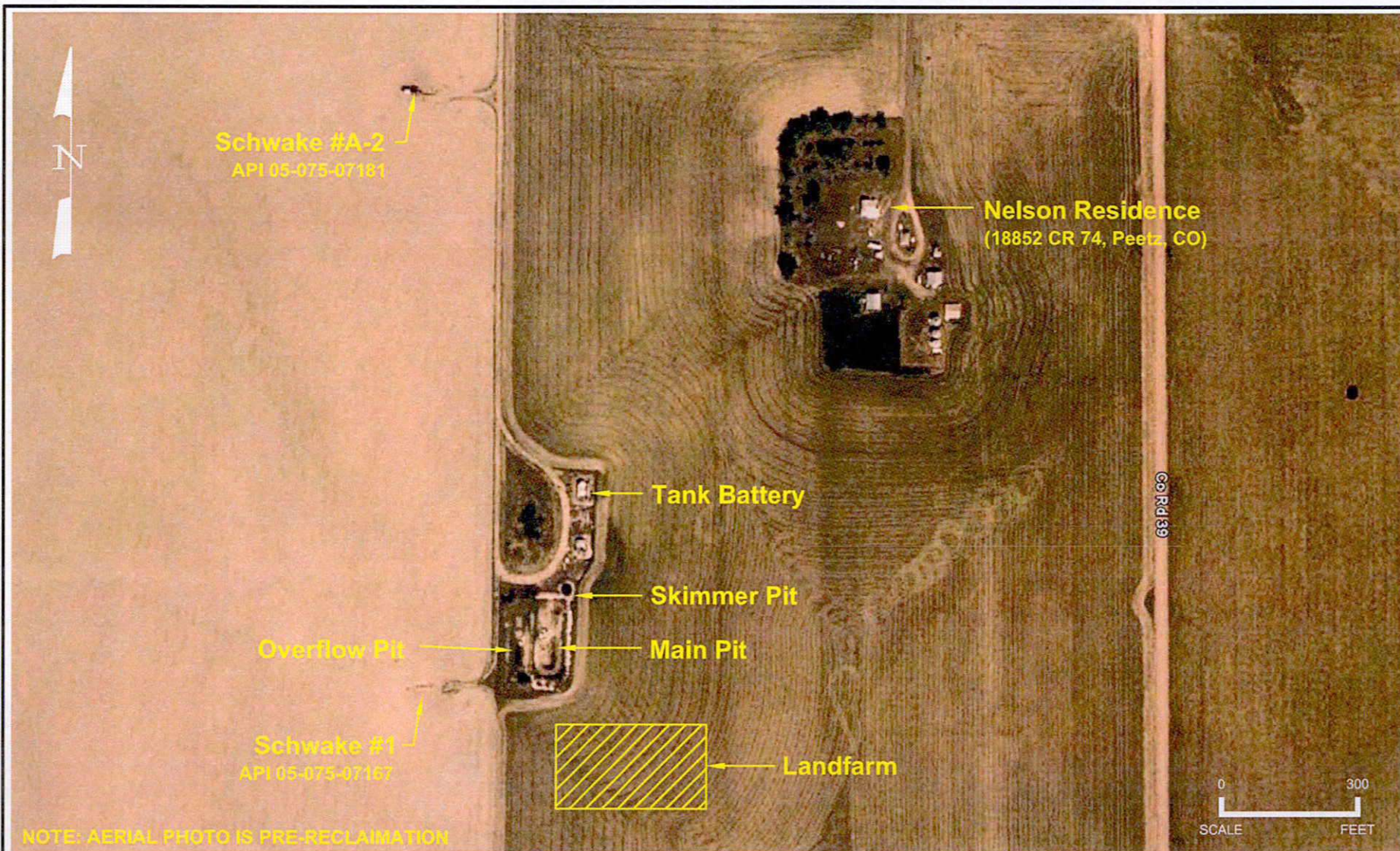
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Environmental Resources Management

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FIGURE 1
SITE LOCATION MAP
Facility ID 100305
Peetz West (68300)
Logan County, Colorado

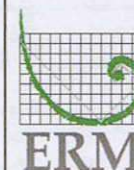


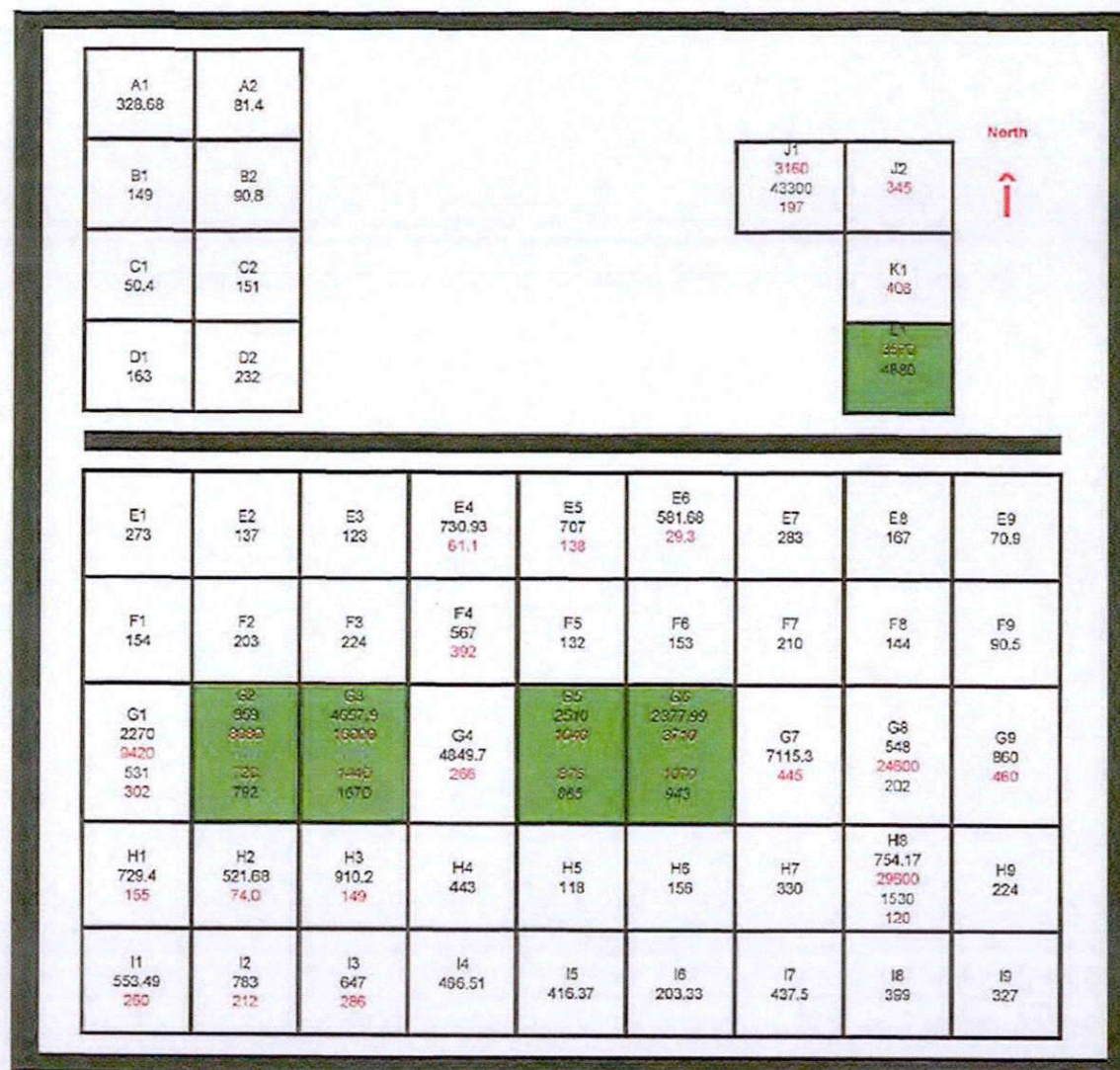


Environmental Resources Management

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FIGURE 2
SITE LAYOUT MAP
Facility ID 100305
Peetz West (68300)
Logan County, Colorado





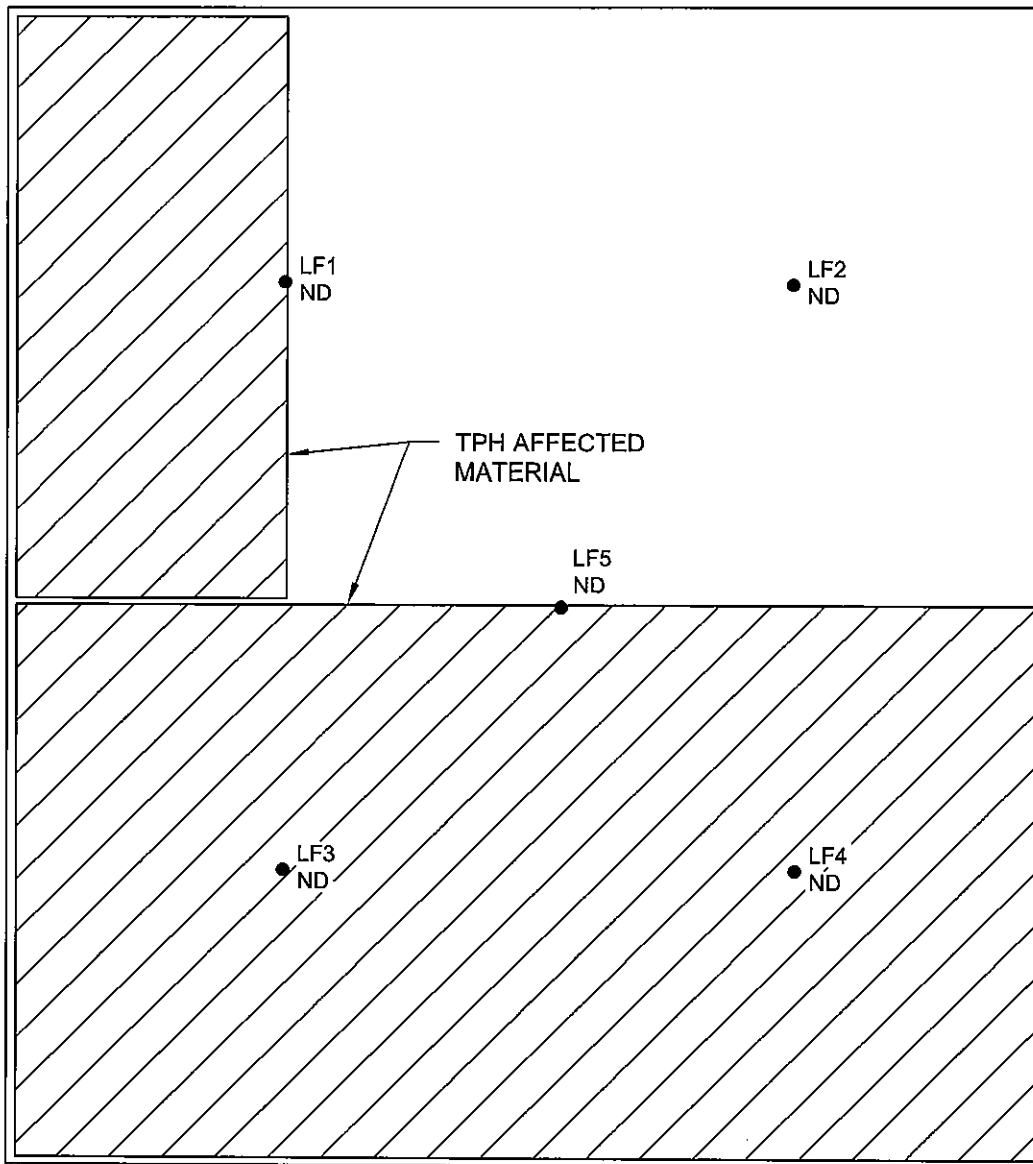
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Environmental Resources Management

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FIGURE 3
REPORTED CONCENTRATIONS OF TPH IN LANDFARM
Facility ID 100305
Peetz West (68300)
Logan County, Colorado





LEGEND

LF1 • PRE-CONSTRUCTION LANDFARM CONFIRMATION
SOIL SAMPLE LOCATION WITH TOTAL PETROLEUM
HYDROCARBON (TPH) RESULT IN mg/kg

ND NOT DETECTED



**Environmental Resources
Management**

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FIGURE 4
LANDFARM LAYOUT
Facility ID 100305
Peetz West (68300)
Logan County, Colorado



Table

July 31, 2012
Project No. 0104362

TABLE 1

Summary of Soil Analytical Results

Schwake A-2 tank Battery Landfarm
Peetz, Colorado

Sample ID:		A1			A2			B1			B2			C1			C2			D1			
Sample Date		5/5/2011			5/5/2011			5/5/2011			5/5/2011			5/5/2011			5/5/2011			5/5/2011			
COGCC																							
Analysis	Units	Limit	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.
Volatile Organic Compounds																							
Benzene	mg/kg	0.170	ND	0.058		ND	0.056		ND	0.06		ND	0.06		ND	0.058		ND	0.062		ND	0.059	
Toluene	mg/kg	85	ND	0.12		ND	0.11		ND	0.12		ND	0.12		ND	0.12		ND	0.12		ND	0.12	
Ethylbenzene	mg/kg	100	ND	0.12		ND	0.11		ND	0.12		ND	0.12		ND	0.12		ND	0.12		ND	0.12	
Xylene (Total)	mg/kg	175	ND	0.23		ND	0.23		ND	0.24		ND	0.24		ND	0.23		ND	0.25		ND	0.24	
Total Petroleum Hydrocarbons																							
TPH-GRO	mg/kg	—	6.68	12	J	ND	11		ND	12		ND	12		ND	12		ND	12		ND	12	
TPH-DRO	mg/kg	—	322	14		81.4	14		149	15		90.8	15		50.4	14		151	15		163	15	
TPH	mg/kg	500	328.68			81.4			149			90.8			50.4			151			163		

Sample ID:		D2			E1			E2			E3			E4			E5						
Sample Date		5/5/2011			5/5/2011			5/5/2011			5/5/2011			5/5/2011			7/19/2011			5/5/2011			
COGCC																							
Analysis	Units	Limit	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.
Volatile Organic Compounds																							
Benzene	mg/kg	0.170	ND	0.061		ND	0.059		ND	0.06		ND	0.057		ND	0.058		NA	---		ND	0.061	
Toluene	mg/kg	85	ND	0.12		ND	0.12		ND	0.12		0.186	0.11		ND	0.12		NA	---		ND	0.12	
Ethylbenzene	mg/kg	100	ND	0.12		ND	0.12		ND	0.12		0.1	0.11	J	ND	0.12		NA	---		ND	0.12	
Xylene (Total)	mg/kg	175	ND	0.24		ND	0.24		ND	0.24		0.181	0.23	J	ND	0.23		NA	---		ND	0.24	
Total Petroleum Hydrocarbons																							
TPH-GRO	mg/kg	—	ND	12		ND	12		ND	12		ND	11		5.93	12	J	ND	12		ND	12	
TPH-DRO	mg/kg	—	232	15		273	15		137	15		123	14		725	14		61.1	15		707	15	
TPH	mg/kg	500	232			273			137			123			730.93			61.1			707		

Sample ID:		E5			E6			E7			E8			E9			F1						
Sample Date		7/19/2011			5/5/2011			7/19/2011			5/5/2011			5/5/2011			5/5/2011						
COGCC																							
Analysis	Units	Limit	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.
Volatile Organic Compounds																							
Benzene	mg/kg	0.170	NA	---		ND	0.059		NA	---		ND	0.063		ND	0.059		ND	0.57		ND	0.63	
Toluene	mg/kg	85	NA	---		ND	0.12		NA	---		ND	0.13		ND	0.12		ND	0.11		ND	0.13	
Ethylbenzene	mg/kg	100	NA	---		ND	0.12		NA	---		ND	0.13		ND	0.12		ND	0.11		ND	0.13	
Xylene (Total)	mg/kg	175	NA	---		ND	0.24		NA	---		ND	0.25		ND	0.24		ND	0.23		ND	0.25	
Total Petroleum Hydrocarbons																							
TPH-GRO	mg/kg	—	ND	12		7.68	12	J	11	5.4		ND	13		ND	12		ND	11		ND	13	
TPH-DRO	mg/kg	—	138	15		574	15		29.3	14		283	15		167	15		70.9	14		154	15	
TPH	mg/kg	500	138			581.68			40.3			283			167			70.9			154		

NOTES:

- Analytical results are summarized in this table from a laboratory analytical reports and compared to COGCC regulatory limits listed in Table 910-1.
- The complete analytical reports are provided as an Appendix A.
- NA = Not Available.
- ND = Not Detected above standard detection limits.
- RL = Laboratory reporting limit.
- Qual. = Qualifier: J = estimated value
- Reported concentrations of TPH above the regulatory limit are shown in bold.

TABLE 1 (Cont'd.)

Summary of Soil Analytical Results

Schwake A-2 tank Battery Landfarm
Peetz, Colorado

Sample ID:		F2			F3			F4			F5			F6			F7						
Sample Date		5/5/2011			5/5/2011			5/5/2011			7/19/2011			5/5/2011			5/5/2011						
COGCC																							
Analysis	Units	Limit	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.
Volatile Organic Compounds																							
Benzene	mg/kg	0.170	ND	0.057		ND	0.061		ND	0.056		NA	---		ND	0.058		ND	0.057		ND	0.062	
Toluene	mg/kg	85	ND	0.11		ND	0.12		ND	0.11		NA	---		ND	0.12		ND	0.11		ND	0.12	
Ethylbenzene	mg/kg	100	ND	0.11		ND	0.12		ND	0.11		NA	---		ND	0.12		ND	0.11		ND	0.12	
Xylene (Total)	mg/kg	175	ND	0.23		ND	0.24		ND	0.23		NA	---		ND	0.23		ND	0.23		ND	0.25	
Total Petroleum Hydrocarbons																							
TPH-GRO	mg/kg	---	ND	11		ND	12		ND	11		ND	12		ND	12		ND	11		ND	12	
TPH-DRO	mg/kg	---	203	14		224	15		567	14		392	15		132	14		153	14		210	15	
TPH	mg/kg	500	203			224			567			392			132			153			210		

Sample ID:		F8			F9			G1						G2									
Sample Date		5/5/2011			5/5/2011			5/5/2011			7/19/2011			8/19/2011			11/17/2011			5/5/2011			
COGCC																							
Analysis	Units	Limit	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.
Volatile Organic Compounds																							
Benzene	mg/kg	0.170	ND	0.06		ND	0.061		ND	0.06		NA	---		NA	---		NA	---		ND	0.059	
Toluene	mg/kg	85	ND	0.12		ND	0.12		ND	0.12		NA	---		NA	---		NA	---		ND	0.12	
Ethylbenzene	mg/kg	100	ND	0.12		ND	0.12		ND	0.12		NA	---		NA	---		NA	---		ND	0.12	
Xylene (Total)	mg/kg	175	ND	0.24		ND	0.25		ND	0.24		NA	---		NA	---		NA	---		ND	0.23	
Total Petroleum Hydrocarbons																							
TPH-GRO	mg/kg	---	ND	12		ND	12		10.0	12	J	ND	12		ND	10		ND	13		ND	12	
TPH-DRO	mg/kg	---	144	15		90.5	15		2260	15		9420	370		531	14		302	72		859	15	
TPH	mg/kg	500	144			90.5			2270			9420			531			302			859		

Sample ID:		G2						G3												
Sample Date		7/19/2011		8/19/2011		11/17/2011		5/15/2012		5/5/2011			7/19/2011			8/19/2011				
COGCC		Limit	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.
Volatile Organic Compounds																				
Benzene	mg/kg	0.170	NA	---		NA	---		NA	---		NA	---		ND	0.06		NA	---	
Toluene	mg/kg	85	NA	---		NA	---		NA	---		NA	---		ND	0.12		NA	---	
Ethylbenzene	mg/kg	100	NA	---		NA	---		NA	---		NA	---		ND	0.12		NA	---	
Xylene (Total)	mg/kg	175	NA	---		NA	---		NA	---		NA	---		ND	0.24		NA	---	
Total Petroleum Hydrocarbons																				
TPH-GRO	mg/kg	---	ND	11		ND	10		ND	12		ND	13		27.9	12		ND	11	
TPH-DRO	mg/kg	---	8080	710		751	14		720	72		792	160		4630	29		16000	350	
TPH	mg/kg	500	8080			751			720			792			4657.9			16000		

NOTES:

1. Analytical results are summarized in this table from a laboratory analytical reports and compared to COGCC regulatory limits listed in Table 910-1.
2. The complete analytical reports are provided as an Appendix A.
3. NA = Not Available.
4. ND = Not Detected above standard detection limits.
5. RL = Laboratory reporting limit.
6. Qual. = Qualifier: J = estimated value
7. Reported concentrations of TPH above the regulatory limit are shown in bold.

TABLE 1 (Cont'd.)

Summary of Soil Analytical Results

Schwake A-2 tank Battery Landfarm
Peetz, Colorado

Sample ID:		G3									G4									G5									
Sample Date		11/17/2011			5/15/2012			5/5/2011			7/19/2011			5/5/2011			7/19/2011			8/19/2011									
COGCC		Limit	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.			
Analysis		Units																											
Volatile Organic Compounds																													
Benzene	mg/kg	0.170	NA	---		NA	---		ND	0.061		NA	---		ND	0.057		NA	---		NA	---		NA	---				
Toluene	mg/kg	85	NA	---		NA	---		ND	0.12		NA	---		ND	0.11		NA	---		NA	---		NA	---				
Ethylbenzene	mg/kg	100	NA	---		NA	---		ND	0.12		NA	---		ND	0.11		NA	---		NA	---		NA	---				
Xylene (Total)	mg/kg	175	NA	---		NA	---		ND	0.24		NA	---		ND	0.23		NA	---		NA	---		NA	---				
Total Petroleum Hydrocarbons																													
TPH-GRO	mg/kg	---	ND	12		ND	11		19.7	12		ND	12		ND	11		ND	11		ND	11		ND	10				
TPH-DRO	mg/kg	---	1440	15		1670	140		4830	30		266	15		2510	14		1040	29		936	14		936	14				
TPH	mg/kg	500	1440			1670			4849.7			266			2510			1040			936			936					

Sample ID:		G5									G6									G6								
Sample Date		11/17/2011			5/15/2012			5/5/2011			7/19/2011			8/19/2011			11/17/2011			5/15/2012								
COGCC		Limit	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.		
Volatile Organic Compounds																												
Benzene	mg/kg	0.170	NA	---		NA	---		ND	0.06		NA	---		NA	---		NA	---		NA	---		NA	---			
Toluene	mg/kg	85	NA	---		NA	---		ND	0.12		NA	---		NA	---		NA	---		NA	---		NA	---			
Ethylbenzene	mg/kg	100	NA	---		NA	---		ND	0.12		NA	---		NA	---		NA	---		NA	---		NA	---			
Xylene (Total)	mg/kg	175	NA	---		NA	---		ND	0.24		NA	---		NA	---		NA	---		NA	---		NA	---			
Total Petroleum Hydrocarbons																												
TPH-GRO	mg/kg	---	ND	11		ND	11		7.99	12	J	ND	11		ND	10		ND	12		ND	12		ND	11			
TPH-DRO	mg/kg	---	876	71		855	140		2370	15		3710	71		602	14		1070	72		943	140		943	140			
TPH	mg/kg	500	876			855			2378			3710			602			1070			943			943				

Sample ID:		G7									G8									G9								
Sample Date		5/5/2011			7/19/2011			5/5/2011			7/19/2011			8/19/2011			5/5/2011			7/19/2011								
COGCC		Limit	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.		
Volatile Organic Compounds																												
Benzene	mg/kg	0.170	ND	0.056		NA	---		ND	0.057		NA	---		NA	---		ND	0.06		NA	---		NA	---			
Toluene	mg/kg	85	ND	0.11		NA	---		ND	0.11		NA	---		NA	---		ND	0.12		NA	---		NA	---			
Ethylbenzene	mg/kg	100	0.0611	0.11	J	NA	---		ND	0.11		NA	---		NA	---		ND	0.12		NA	---		NA	---			
Xylene (Total)	mg/kg	175	0.324	0.22		NA	---		ND	0.23		NA	---		NA	---		ND	0.24		NA	---		NA	---			
Total Petroleum Hydrocarbons																												
TPH-GRO	mg/kg	---	15.3	11		ND	12		ND	11		ND	12		ND	10		ND	12		ND	12		ND	12			
TPH-DRO	mg/kg	---	7100	210		445	30		548	14		24600	870		202	14		860	15		460	29		460	29			
TPH	mg/kg	500	7115.3			445			548			24600			202			860			460			460				

NOTES:

- Analytical results are summarized in this table from a laboratory analytical reports and compared to COGCC regulatory limits listed in Table 910-1.
- The complete analytical reports are provided as an Appendix A.
- NA = Not Available.
- ND = Not Detected above standard detection limits.
- RL = Laboratory reporting limit.
- Qual. = Qualifier: J = estimated value
- Reported concentrations of TPH above the regulatory limit are shown in bold.

TABLE 1 (Cont'd.)

Summary of Soil Analytical Results

Schwake A-2 tank Battery Landfarm
Peetz, Colorado

Sample ID: Sample Date COGCC			H1						H2						H3						H4					
			5/5/2011			7/19/2011			5/15/2012			7/19/2011			5/5/2011			7/19/2011			5/5/2011					
Analysis	Units	Limit	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.			
Volatile Organic Compounds																										
Benzene	mg/kg	0.170	ND	0.059		NA	---		ND	0.061		NA	---		ND	0.061		NA	---		ND	0.058				
Toluene	mg/kg	85	ND	0.12		NA	---		ND	0.12		NA	---		ND	0.12		NA	---		ND	0.12				
Ethylbenzene	mg/kg	100	ND	0.12		NA	---		ND	0.12		NA	---		ND	0.12		NA	---		ND	0.12				
Xylene (Total)	mg/kg	175	ND	0.24		NA	---		ND	0.24		NA	---		ND	0.24		NA	---		ND	0.23				
Total Petroleum Hydrocarbons																										
TPH-GRO	mg/kg	---	10.4	12	J	ND	12		6.68	12	J	ND	12		12.2	12		ND	12		ND	12				
TPH-DRO	mg/kg	---	719	15		155	15		515	15		74.0	15		898	15		149	15		443	14				
TPH	mg/kg	500	729.4			155			521.68			74			910.2			149			443					

Sample ID: Sample Date COGCC			H5						H6						H7						H8								
			5/5/2011			5/5/2011			5/5/2011			5/5/2011			7/19/2011			8/19/2011			11/17/2011								
Analysis	Units	Limit	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.						
Volatile Organic Compounds																													
Benzene	mg/kg	0.170	ND	0.06		ND	0.057		ND	0.056		ND	0.058		NA	---		NA	---		NA	---							
Toluene	mg/kg	85	ND	0.12		ND	0.11		ND	0.11		ND	0.12		NA	---		NA	---		NA	---							
Ethylbenzene	mg/kg	100	ND	0.12		ND	0.11		ND	0.11		ND	0.12		NA	---		NA	---		NA	---							
Xylene (Total)	mg/kg	175	ND	0.24		ND	0.23		ND	0.23		ND	0.23		NA	---		NA	---		NA	---							
Total Petroleum Hydrocarbons																													
TPH-GRO	mg/kg	---	ND	12		ND	11		ND	11		7.17	12	J	ND	12		ND	10		ND	10							
TPH-DRO	mg/kg	---	118	15		156	14		330	14		747	14		29600	2200		1530	13		120	14							
TPH	mg/kg	500	118			156			330			754.17			29600			1530			120								

Sample ID: Sample Date COGCC			H9						I1						I2						I3					
			5/5/2011			5/5/2011			7/19/2011			5/5/2011			7/19/2011			5/5/2011			7/19/2011					
Analysis	Units	Limit	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.			
Volatile Organic Compounds																										
Benzene	mg/kg	0.170	ND	0.057		ND	0.058		NA	---		ND	0.057		NA	---		ND	0.059		NA	---				
Toluene	mg/kg	85	0.07	0.11		ND	0.12		NA	---		ND	0.11		NA	---		ND	0.12		NA	---				
Ethylbenzene	mg/kg	100	ND	0.11		ND	0.12		NA	---		ND	0.11		NA	---		ND	0.12		NA	---				
Xylene (Total)	mg/kg	175	ND	0.23		ND	0.23		NA	---		ND	0.23		NA	---		ND	0.24		NA	---				
Total Petroleum Hydrocarbons																										
TPH-GRO	mg/kg	---	ND	11		7.44	12		ND	12		ND	11		ND	11		ND	12		ND	11				
TPH-DRO	mg/kg	---	224	14		546	14		260	15		783	14		212	14		647	15		286	14				
TPH	mg/kg	500	224			553.44			260			783			212			647			286					

NOTES:

- Analytical results are summarized in this table from a laboratory analytical reports and compared to COGCC regulatory limits listed in Table 910-1.
- The complete analytical reports are provided as an Appendix A.
- NA = Not Available.
- ND = Not Detected above standard detection limits.
- RL = Laboratory reporting limit.
- Qual. = Qualifier: J = estimated value
- Reported concentrations of TPH above the regulatory limit are shown in bold.

TABLE 1 (Cont'd.)

Summary of Soil Analytical Results

Schwake A-2 tank Battery Landfarm

Peetz, Colorado

Sample ID:			I4			I5			I6			I7			I8			I9			J1		
Sample Date			5/5/2011			5/5/2011			5/5/2011			5/5/2011			5/5/2011			5/5/2011			7/19/2011		
COGCC																							
Analysis	Units	Limit	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.
<i>Volatile Organic Compounds</i>																							
Benzene	mg/kg	0.170	ND	0.06		ND	0.058		ND	0.062		ND	0.058		ND	0.058		ND	0.054		NA	---	
Toluene	mg/kg	85	ND	0.12		ND	0.12		ND	0.12		ND	0.12		ND	0.12		ND	0.11		NA	---	
Ethylbenzene	mg/kg	100	ND	0.12		ND	0.12		ND	0.12		ND	0.12		ND	0.12		ND	0.11		NA	---	
Xylene (Total)	mg/kg	175	ND	0.24		ND	0.23		ND	0.25		ND	0.23		ND	0.23		ND	0.22		NA	---	
<i>Total Petroleum Hydrocarbons</i>																							
TPH-GRO	mg/kg	---	7.51	12		6.37	12	J	7.33	12	J	10.5	12	J	ND	12		ND	11		ND	11	
TPH-DRO	mg/kg	---	459	15		410	14		196	15		427	14		399	14		327	14		3160	140	
TPH	mg/kg	500	466.51			416.37			203.33			437.5			399			327			3160		

Sample ID:			J1			J1			J2			K1			L1			L1					
Sample Date			8/19/2011			11/17/2011			7/19/2011			11/17/2011			11/17/2011			5/15/2012					
COGCC																							
Analysis	Units	Limit	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.	Result	RL	Qual.
<i>Volatile Organic Compounds</i>																							
Benzene	mg/kg	0.170	NA	---		NA	---		NA	---		NA	---		NA	---		NA	---				
Toluene	mg/kg	85	NA	---		NA	---		NA	---		NA	---		NA	---		NA	---				
Ethylbenzene	mg/kg	100	NA	---		NA	---		NA	---		NA	---		NA	---		NA	---				
Xylene (Total)	mg/kg	175	NA	---		NA	---		NA	---		NA	---		NA	---		NA	---				
<i>Total Petroleum Hydrocarbons</i>																							
TPH-GRO	mg/kg	---	ND	11		ND	12		ND	11		ND	11		ND	12		ND	11				
TPH-DRO	mg/kg	---	43300	1100		197	14		345	71		406	70		3570	72		4880	140				
TPH	mg/kg	500	43300			197			345			406			3570			4880					

NOTES:

- Analytical results are summarized in this table from a laboratory analytical reports and compared to COGCC regulatory limits listed in Table 910-1.
- The complete analytical reports are provided as an Appendix A.
- NA = Not Available.
- ND = Not Detected above standard detection limits.
- RL = Laboratory reporting limit.
- Qual. = Qualifier: J = estimated value
- Reported concentrations of TPH above the regulatory limit are shown in bold.

Analytical Lab Reports
Appendix A

July 31, 2012
Project No. 0104362



07/13/12

Technical Report for

ERM-Rocky Mountain, Inc.

Landfarm, Peetz, CO

Accutest Job Number: D23238

Sampling Date: 05/05/11


Report to:

chris.thebo@erm.com

Total number of pages in report: 250



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.


Brad Madadian
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO, ID, NE, NM, ND (R-027) (PW), UT (NELAP CO00049), TX (T104704511-12-1)

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Test results relate only to samples analyzed.

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Sample Summary

ERM-Rocky Mountain, Inc.

Job No: D23238

Landfarm, Peetz, CO

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
D23238-1	05/05/11	06:45 GT	05/05/11	SO	Soil	A1
D23238-2	05/05/11	06:50 GT	05/05/11	SO	Soil	A2
D23238-3	05/05/11	07:05 GT	05/05/11	SO	Soil	B1
D23238-4	05/05/11	07:15 GT	05/05/11	SO	Soil	B2
D23238-5	05/05/11	08:15 GT	05/05/11	SO	Soil	C1
D23238-6	05/05/11	08:16 GT	05/05/11	SO	Soil	C11
D23238-7	05/05/11	08:20 GT	05/05/11	SO	Soil	C2
D23238-8	05/05/11	08:25 GT	05/05/11	SO	Soil	D1
D23238-9	05/05/11	08:27 GT	05/05/11	SO	Soil	D2
D23238-10	05/05/11	08:30 GT	05/05/11	SO	Soil	D22
D23238-11	05/05/11	08:40 GT	05/05/11	SO	Soil	E1
D23238-12	05/05/11	08:45 GT	05/05/11	SO	Soil	E2
D23238-13	05/05/11	08:50 GT	05/05/11	SO	Soil	F1

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

ERM-Rocky Mountain, Inc.

Job No: D23238

Landfarm, Peetz, CO

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
D23238-14	05/05/11	08:53 GT	05/05/11	SO	Soil	H1
D23238-15	05/05/11	08:55 GT	05/05/11	SO	Soil	F2
D23238-16	05/05/11	09:00 GT	05/05/11	SO	Soil	G1
D23238-17	05/05/11	09:05 GT	05/05/11	SO	Soil	G2
D23238-18	05/05/11	09:10 GT	05/05/11	SO	Soil	F11
D23238-19	05/05/11	09:15 GT	05/05/11	SO	Soil	H2
D23238-20	05/05/11	09:20 GT	05/05/11	SO	Soil	I1
D23238-21	05/05/11	09:25 GT	05/05/11	SO	Soil	I2
D23238-22	05/05/11	09:35 GT	05/05/11	SO	Soil	E3
D23238-23	05/05/11	09:40 GT	05/05/11	SO	Soil	E4
D23238-24	05/05/11	09:45 GT	05/05/11	SO	Soil	F3
D23238-25	05/05/11	09:50 GT	05/05/11	SO	Soil	F4
D23238-26	05/05/11	09:55 GT	05/05/11	SO	Soil	G3

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

ERM-Rocky Mountain, Inc.

Job No: D23238

Landfarm, Peetz, CO

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
D23238-27	05/05/11	10:00 GT	05/05/11	SO	Soil	G4
D23238-28	05/05/11	10:05 GT	05/05/11	SO	Soil	H3
D23238-29	05/05/11	10:10 GT	05/05/11	SO	Soil	H4
D23238-30	05/05/11	10:15 GT	05/05/11	SO	Soil	I3
D23238-31	05/05/11	10:20 GT	05/05/11	SO	Soil	I4
D23238-32	05/05/11	10:25 GT	05/05/11	SO	Soil	E5
D23238-33	05/05/11	10:30 GT	05/05/11	SO	Soil	E6
D23238-34	05/05/11	10:32 GT	05/05/11	SO	Soil	F5
D23238-35	05/05/11	10:35 GT	05/05/11	SO	Soil	F6
D23238-36	05/05/11	10:40 GT	05/05/11	SO	Soil	G5
D23238-37	05/05/11	10:45 GT	05/05/11	SO	Soil	G6
D23238-38	05/05/11	10:50 GT	05/05/11	SO	Soil	H5
D23238-39	05/05/11	10:55 GT	05/05/11	SO	Soil	H6

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

ERM-Rocky Mountain, Inc.

Job No: D23238

Landfarm, Peetz, CO

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
D23238-40	05/05/11	11:00 GT	05/05/11	SO	Soil	I5
D23238-41	05/05/11	11:05 GT	05/05/11	SO	Soil	I6
D23238-42	05/05/11	11:10 GT	05/05/11	SO	Soil	E7
D23238-43	05/05/11	11:15 GT	05/05/11	SO	Soil	E8
D23238-44	05/05/11	11:16 GT	05/05/11	SO	Soil	E88
D23238-45	05/05/11	11:20 GT	05/05/11	SO	Soil	F7
D23238-46	05/05/11	11:25 GT	05/05/11	SO	Soil	F8
D23238-47	05/05/11	11:45 GT	05/05/11	SO	Soil	G7
D23238-48	05/05/11	11:50 GT	05/05/11	SO	Soil	G8
D23238-49	05/05/11	11:55 GT	05/05/11	SO	Soil	H7
D23238-50	05/05/11	12:00 GT	05/05/11	SO	Soil	H8
D23238-51	05/05/11	12:30 GT	05/05/11	SO	Soil	I7
D23238-52	05/05/11	12:35 GT	05/05/11	SO	Soil	I8

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

ERM-Rocky Mountain, Inc.

Job No: D23238

Landfarm, Peetz, CO

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
D23238-53	05/05/11	12:40 GT	05/05/11	SO	Soil	E9
D23238-54	05/05/11	12:45 GT	05/05/11	SO	Soil	F9
D23238-55	05/05/11	12:50 GT	05/05/11	SO	Soil	G9
D23238-56	05/05/11	12:55 GT	05/05/11	SO	Soil	H9
D23238-57	05/05/11	12:58 GT	05/05/11	SO	Soil	I9
D23238-58	05/05/11	12:47 GT	05/05/11	SO	Soil	G99
D23238-59	05/05/11	13:02 GT	05/05/11	SO	Soil	I99

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY**Client:** ERM-Rocky Mountain, Inc.**Job No** D23238**Site:** Schwake Landfarm, Peetz, CO**Report Dat** 5/19/2011 9:02:26 AM

On 05/05/2011, 59 samples, 0 Trip Blanks, and 0 Field Blanks were received at Accutest Mountain States (AMS) at a temperature of 1.0°C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D23238 was assigned to the project. The lab sample IDs, client sample IDs, and dates of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix	SO	Batch ID:	V3V630
--------	----	-----------	--------

- All samples were analyzed within the recommended method holding time.
- The method blank for this batch meets method specific criteria.
- Samples D23238-49MS and D23238-49MSD were used as the QC samples indicated.
- Samples D23235-1MS, D23235-1MSD, D23289-1MS, D23289-1MSD, and D23238-57 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix	SO	Batch ID:	V3V631
--------	----	-----------	--------

- All samples were analyzed within the recommended method holding time.
- The method blank for this batch meets method specific criteria.
- Samples D23238-18MS and D23238-18MSD were used as the QC samples indicated.
- Samples D23235-1MS, D23235-1MSD, D23289-1MS, D23289-1MSD, and D23238-57 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix	SO	Batch ID:	V3V634
--------	----	-----------	--------

- All samples were analyzed within the recommended method holding time.
- The method blank for this batch meets method specific criteria.
- Samples D23238-1MS and D23238-1MSD were used as the QC samples indicated.
- Samples D23235-1MS, D23235-1MSD, D23289-1MS, D23289-1MSD, and D23238-57 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix	SO	Batch ID:	V3V643
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- All samples were analyzed within the recommended method holding time.
- The method blank for this batch meets method specific criteria.
- Samples D23238-19MS and D23238-19MSD were used as the QC samples indicated.
- Samples DD23235-1MS, D23235-1MSD, D23289-1MS, 23289-1MSD, and D23238-57 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix	SO	Batch ID:	V5V894
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- All samples were analyzed within the recommended method holding time.
- The method blank for this batch meets method specific criteria.
- Samples D23235-1MS and D23235-1MSD were used as the QC samples indicated.
- Samples D23235-1MS, D23235-1MSD, D23289-1MS, D23289-1MSD, and D23238-57 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix	SO	Batch ID:	V5V895
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- All samples were analyzed within the recommended method holding time.

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Volatiles by GCMS By Method SW846 8260B

Matrix	SO	Batch ID:	V5V895
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- Samples D23238-35MS and D23238-35MSD were used as the QC samples indicated.
- The method blank for this batch meets method specific criteria.
- Samples D23235-1MS, D23235-1MSD, D23289-1MS, D23289-1MSD, and D23238-57 have surrogates outside control limits. Probable cause due to matrix interference.

Volatiles by GC By Method SW846 8015B

Matrix	SO	Batch ID:	GGB618
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- All samples were analyzed within the recommended method holding time.
- The method blank for this batch meets method specific criteria.
- Samples D23238-1MS and D23238-1MSD were used as the QC samples indicated.

Matrix	SO	Batch ID:	GGB619
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- All samples were analyzed within the recommended method holding time.
- The method blank for this batch meets method specific criteria.
- Samples D23238-21MS and D23238-21MSD were used as the QC samples indicated.

Matrix	SO	Batch ID:	GGB620
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- All samples were analyzed within the recommended method holding time.
- The method blank for this batch meets method specific criteria.
- Samples D23238-41MS and D23238-41MSD were used as the QC samples indicated.

Extractables by GC By Method SW846-8015B

Matrix SO	Batch ID: OP3622
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- All samples were extracted and analyzed within the recommended method holding time.
- Samples D23190-1MS and D23190-1MSD were used as the QC samples indicated.
- The method blank for this batch meets method specific criteria.
- The matrix spike duplicate (MSD) recovery of TPH-DRO (C10-C28) is outside control limits. Probable cause due to matrix interference. Refer to the lab control or spike blank for recovery information.
- Sample OP3648-MSD has the surrogate outside control limits. Probable cause due to matrix interference.

Matrix SO	Batch ID: OP3623
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- All samples were extracted and analyzed within the recommended method holding time.
- The method blank for this batch meets method specific criteria.
- Samples D23238-11MS and D23238-11MSD were used as the QC samples indicated.
- Sample OP3648-MSD has the surrogate outside control limits. Probable cause due to matrix interference.

Matrix SO	Batch ID: OP3626
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- All samples were extracted and analyzed within the recommended method holding time.
- The method blank for this batch meets method specific criteria.
- Samples D23238-40MS and D23238-40MSD were used as the QC samples indicated.
- Sample OP3648-MSD has the surrogate outside control limits. Probable cause due to matrix interference.

Matrix SO	Batch ID: OP3633
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- All samples were extracted and analyzed within the recommended method holding time.
- Samples D23275-1MS and D23275-1MSD were used as the QC samples indicated.
- The method blank for this batch meets method specific criteria.
- The RPD for the MS and MSD recoveries of TPH-DRO (C10-C28) is outside control limits for sample OP3633-MSD. The high RPD is due to possible sample nonhomogeneity.
- Sample OP3648-MSD has the surrogate outside control limits. Probable cause due to matrix interference.

Matrix SO	Batch ID: OP3648
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- All samples were extracted and analyzed within the recommended method holding time.
- Samples D23388-1MS and D23388-1MSD were used as the QC samples indicated.
- The method blank for this batch meets method specific criteria.
- The RPD for the MS and MSD recoveries of TPH-DRO (C10-C28) is outside control limits for sample OP3648-MSD. Probable cause due to sample homogeneity.
- Sample OP3648-MSD has the surrogate outside control limits. Probable cause due to matrix interference.

Wet Chemistry By Method SM19 2540B M

Matrix SO	Batch ID: GN9485
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- The data for SM19 2540B M meets quality control requirements.

Matrix SO	Batch ID: GN9497
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- The data for SM19 2540B M meets quality control requirements.

Matrix SO	Batch ID: GN9527
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- The data for SM19 2540B M meets quality control requirements.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Summary of Hits

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Job Number: D23238
Account: ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO
Collected: 05/05/11



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D23238-1	A1					
TPH-GRO (C6-C10)		6.68 J	12	5.8	mg/kg	SW846 8015B
TPH-DRO (C10-C28)		322	14	9.4	mg/kg	SW846-8015B
D23238-2	A2					
TPH-DRO (C10-C28)		81.4	14	9.2	mg/kg	SW846-8015B
D23238-3	B1					
TPH-DRO (C10-C28)		149	15	9.5	mg/kg	SW846-8015B
D23238-4	B2					
TPH-DRO (C10-C28)		90.8	15	9.5	mg/kg	SW846-8015B
D23238-5	C1					
TPH-DRO (C10-C28)		50.4	14	9.4	mg/kg	SW846-8015B
D23238-6	C11					
TPH-DRO (C10-C28)		46.7	15	9.5	mg/kg	SW846-8015B
D23238-7	C2					
TPH-DRO (C10-C28)		151	15	9.8	mg/kg	SW846-8015B
D23238-8	D1					
TPH-DRO (C10-C28)		163	15	9.5	mg/kg	SW846-8015B
D23238-9	D2					
TPH-DRO (C10-C28)		232	15	9.6	mg/kg	SW846-8015B
D23238-10	D22					
Toluene		123	120	59	ug/kg	SW846 8260B
Ethylbenzene		30.2 J	120	29	ug/kg	SW846 8260B
Xylene (total)		80.7 J	240	59	ug/kg	SW846 8260B
TPH-DRO (C10-C28)		296	15	9.5	mg/kg	SW846-8015B

Summary of Hits

Page 2 of 6

Job Number: D23238
Account: ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO
Collected: 05/05/11



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D23238-11	E1					
TPH-DRO (C10-C28)		273	15	9.5	mg/kg	SW846-8015B
D23238-12	E2					
TPH-DRO (C10-C28)		137	15	9.6	mg/kg	SW846-8015B
D23238-13	F1					
TPH-DRO (C10-C28)		154	15	9.8	mg/kg	SW846-8015B
D23238-14	H1					
TPH-GRO (C6-C10)		10.4 J	12	5.9	mg/kg	SW846 8015B
TPH-DRO (C10-C28)		719	15	9.5	mg/kg	SW846-8015B
D23238-15	F2					
TPH-DRO (C10-C28)		203	14	9.3	mg/kg	SW846-8015B
D23238-16	G1					
TPH-GRO (C6-C10)		10.0 J	12	6.0	mg/kg	SW846 8015B
TPH-DRO (C10-C28)		2260	15	9.6	mg/kg	SW846-8015B
D23238-17	G2					
TPH-DRO (C10-C28)		859	15	9.4	mg/kg	SW846-8015B
D23238-18	F11					
TPH-DRO (C10-C28)		134	15	9.5	mg/kg	SW846-8015B
D23238-19	H2					
TPH-GRO (C6-C10)		6.68 J	12	6.1	mg/kg	SW846 8015B
TPH-DRO (C10-C28)		515	15	9.6	mg/kg	SW846-8015B
D23238-20	I1					
TPH-GRO (C6-C10)		7.44 J	12	5.8	mg/kg	SW846 8015B
TPH-DRO (C10-C28)		546	14	9.3	mg/kg	SW846-8015B

Summary of Hits

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Job Number: D23238
Account: ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO
Collected: 05/05/11



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D23238-21	I2					
TPH-DRO (C10-C28)		783	14	9.3	mg/kg	SW846-8015B
D23238-22	E3					
Toluene		186	110	57	ug/kg	SW846 8260B
Ethylbenzene		56.0 J	110	29	ug/kg	SW846 8260B
Xylene (total)		181 J	230	57	ug/kg	SW846 8260B
TPH-DRO (C10-C28)		123	14	9.3	mg/kg	SW846-8015B
D23238-23	E4					
TPH-GRO (C6-C10)		5.93 J	12	5.8	mg/kg	SW846 8015B
TPH-DRO (C10-C28)		725	14	9.3	mg/kg	SW846-8015B
D23238-24	F3					
TPH-DRO (C10-C28)		224	15	9.6	mg/kg	SW846-8015B
D23238-25	F4					
TPH-DRO (C10-C28)		567	14	9.2	mg/kg	SW846-8015B
D23238-26	G3					
TPH-GRO (C6-C10)		27.9	12	6.0	mg/kg	SW846 8015B
TPH-DRO (C10-C28)		4630	29	19	mg/kg	SW846-8015B
D23238-27	G4					
TPH-GRO (C6-C10)		19.7	12	6.1	mg/kg	SW846 8015B
TPH-DRO (C10-C28)		4830	30	19	mg/kg	SW846-8015B
D23238-28	H3					
TPH-GRO (C6-C10)		12.2	12	6.1	mg/kg	SW846 8015B
TPH-DRO (C10-C28)		898	15	9.6	mg/kg	SW846-8015B
D23238-29	H4					
TPH-DRO (C10-C28)		443	14	9.4	mg/kg	SW846-8015B

Summary of Hits

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Job Number: D23238
Account: ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO
Collected: 05/05/11



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D23238-30	I3					
TPH-DRO (C10-C28)		647	15	9.5	mg/kg	SW846-8015B
D23238-31	I4					
TPH-GRO (C6-C10)		7.51 J	12	6.0	mg/kg	SW846 8015B
TPH-DRO (C10-C28)		459	15	9.5	mg/kg	SW846-8015B
D23238-32	E5					
TPH-DRO (C10-C28)		707	15	9.6	mg/kg	SW846-8015B
D23238-33	E6					
TPH-GRO (C6-C10)		7.68 J	12	5.9	mg/kg	SW846 8015B
TPH-DRO (C10-C28)		574	15	9.5	mg/kg	SW846-8015B
D23238-34	F5					
TPH-DRO (C10-C28)		132	14	9.4	mg/kg	SW846-8015B
D23238-35	F6					
TPH-DRO (C10-C28)		153	14	9.2	mg/kg	SW846-8015B
D23238-36	G5					
TPH-DRO (C10-C28)		2510	14	9.3	mg/kg	SW846-8015B
D23238-37	G6					
TPH-GRO (C6-C10)		7.99 J	12	6.0	mg/kg	SW846 8015B
TPH-DRO (C10-C28)		2370	15	9.6	mg/kg	SW846-8015B
D23238-38	H5					
TPH-DRO (C10-C28)		118	15	9.6	mg/kg	SW846-8015B
D23238-39	H6					
TPH-DRO (C10-C28)		156	14	9.3	mg/kg	SW846-8015B

Summary of Hits

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Job Number: D23238
Account: ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO
Collected: 05/05/11

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D23238-40	I5					
TPH-GRO (C6-C10)		6.37 J	12	5.8	mg/kg	SW846 8015B
TPH-DRO (C10-C28)		410	14	9.4	mg/kg	SW846-8015B
D23238-41	I6					
TPH-GRO (C6-C10)		7.33 J	12	6.2	mg/kg	SW846 8015B
TPH-DRO (C10-C28)		196	15	9.7	mg/kg	SW846-8015B
D23238-42	E7					
TPH-DRO (C10-C28)		283	15	9.8	mg/kg	SW846-8015B
D23238-43	E8					
TPH-DRO (C10-C28)		167	15	9.5	mg/kg	SW846-8015B
D23238-44	E88					
TPH-DRO (C10-C28)		114	14	9.2	mg/kg	SW846-8015B
D23238-45	F7					
TPH-DRO (C10-C28)		210	15	9.7	mg/kg	SW846-8015B
D23238-46	F8					
TPH-DRO (C10-C28)		144	15	9.5	mg/kg	SW846-8015B
D23238-47	G7					
Ethylbenzene		61.1 J	110	28	ug/kg	SW846 8260B
Xylene (total)		324	220	56	ug/kg	SW846 8260B
TPH-GRO (C6-C10)		15.3	11	5.6	mg/kg	SW846 8015B
TPH-DRO (C10-C28)		7100	210	140	mg/kg	SW846-8015B
D23238-48	G8					
TPH-DRO (C10-C28)		548	14	9.3	mg/kg	SW846-8015B
D23238-49	H7					
TPH-DRO (C10-C28)		330	14	9.2	mg/kg	SW846-8015B

Summary of Hits

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Job Number: D23238
Account: ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO
Collected: 05/05/11



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D23238-50	H8					
TPH-GRO (C6-C10)		7.17 J	12	5.8	mg/kg	SW846 8015B
TPH-DRO (C10-C28)		747	14	9.3	mg/kg	SW846-8015B
D23238-51	I7					
TPH-GRO (C6-C10)		10.5 J	12	5.8	mg/kg	SW846 8015B
TPH-DRO (C10-C28)		427	14	9.3	mg/kg	SW846-8015B
D23238-52	I8					
TPH-DRO (C10-C28)		399	14	9.4	mg/kg	SW846-8015B
D23238-53	E9					
TPH-DRO (C10-C28)		70.9	14	9.3	mg/kg	SW846-8015B
D23238-54	F9					
TPH-DRO (C10-C28)		90.5	15	9.7	mg/kg	SW846-8015B
D23238-55	G9					
TPH-DRO (C10-C28)		860	15	9.5	mg/kg	SW846-8015B
D23238-56	H9					
Toluene		69.0 J	110	57	ug/kg	SW846 8260B
TPH-DRO (C10-C28)		224	14	9.3	mg/kg	SW846-8015B
D23238-57	I9					
TPH-DRO (C10-C28)		327	14	9.0	mg/kg	SW846-8015B
D23238-58	G99					
TPH-DRO (C10-C28)		372	14	9.4	mg/kg	SW846-8015B
D23238-59	I99					
TPH-DRO (C10-C28)		497	14	9.3	mg/kg	SW846-8015B



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Sample Results

Report of Analysis

Report of Analysis

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Client Sample ID: A1
Lab Sample ID: D23238-1
Matrix: SO - Soil
Method: SW846 8260B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11**Date Received:** 05/05/11**Percent Solids:** 92.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11324.D	1	05/11/11	DC	n/a	n/a	V3V634
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	58	26	ug/kg	
108-88-3	Toluene	ND	120	58	ug/kg	
100-41-4	Ethylbenzene	ND	120	29	ug/kg	
1330-20-7	Xylene (total)	ND	230	58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	80%		70-130%
460-00-4	4-Bromofluorobenzene	85%		70-130%
17060-07-0	1,2-Dichloroethane-D4	90%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	A1	Date Sampled:	05/05/11
Lab Sample ID:	D23238-1	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	92.5
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10613.D	1	05/06/11	BR	n/a	n/a	GGB618
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	6.68	12	5.8	mg/kg	J
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	100%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	A1	Date Sampled:	05/05/11
Lab Sample ID:	D23238-1	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	92.5
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06665.D	1	05/10/11	JB	05/06/11	OP3622	GFD290
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	322	14	9.4	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	91%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: A2
Lab Sample ID: D23238-2
Matrix: SO - Soil
Method: SW846 8260B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 93.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11299.D	1	05/11/11	DC	n/a	n/a	V3V631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.02 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	56	25	ug/kg	
108-88-3	Toluene	ND	110	56	ug/kg	
100-41-4	Ethylbenzene	ND	110	28	ug/kg	
1330-20-7	Xylene (total)	ND	230	56	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	84%		70-130%
17060-07-0	1,2-Dichloroethane-D4	90%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	A2	Date Sampled:	05/05/11
Lab Sample ID:	D23238-2	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	93.9
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10616.D	1	05/06/11	BR	n/a	n/a	GGB618
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.6	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	93%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	A2	Date Sampled:	05/05/11
Lab Sample ID:	D23238-2	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	93.9
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06666.D	1	05/10/11	JB	05/06/11	OP3622	GFD290
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	81.4	14	9.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	B1		
Lab Sample ID:	D23238-3	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8260B	Percent Solids:	90.8
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11298.D	1	05/11/11	DC	n/a	n/a	V3V631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.03 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	60	26	ug/kg	
108-88-3	Toluene	ND	120	60	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	83%		70-130%
460-00-4	4-Bromofluorobenzene	83%		70-130%
17060-07-0	1,2-Dichloroethane-D4	89%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	B1		
Lab Sample ID:	D23238-3	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8015B	Percent Solids:	90.8
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10617.D	1	05/06/11	BR	n/a	n/a	GGB618
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	95%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	B1		
Lab Sample ID:	D23238-3	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846-8015B SW846 3546	Percent Solids:	90.8
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06667.D	1	05/10/11	JB	05/06/11	OP3622	GFD290
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	149	15	9.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	B2		
Lab Sample ID:	D23238-4	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8260B	Percent Solids:	91.0
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11297.D	1	05/11/11	DC	n/a	n/a	V3V631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.02 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	60	26	ug/kg	
108-88-3	Toluene	ND	120	60	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	81%		70-130%
460-00-4	4-Bromofluorobenzene	81%		70-130%
17060-07-0	1,2-Dichloroethane-D4	91%		70-130%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	B2		
Lab Sample ID:	D23238-4	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8015B	Percent Solids:	91.0
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10618.D	1	05/06/11	BR	n/a	n/a	GGB618
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	96%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	B2	Date Sampled:	05/05/11
Lab Sample ID:	D23238-4	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	91.0
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06668.D	1	05/10/11	JB	05/06/11	OP3622	GFD290
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	90.8	15	9.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	82%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	C1	Date Sampled:	05/05/11
Lab Sample ID:	D23238-5	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	92.2
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11296.D	1	05/11/11	DC	n/a	n/a	V3V631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.06 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	58	25	ug/kg	
108-88-3	Toluene	ND	120	58	ug/kg	
100-41-4	Ethylbenzene	ND	120	29	ug/kg	
1330-20-7	Xylene (total)	ND	230	58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	83%		70-130%
17060-07-0	1,2-Dichloroethane-D4	88%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: C1
Lab Sample ID: D23238-5
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11**Date Received:** 05/05/11**Percent Solids:** 92.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10619.D	1	05/06/11	BR	n/a	n/a	GGB618
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	96%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	C1		
Lab Sample ID:	D23238-5	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846-8015B SW846 3546	Percent Solids:	92.2
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06669.D	1	05/10/11	JB	05/06/11	OP3622	GFD290
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRÖ (C10-C28)	50.4	14	9.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	C11	Date Sampled:	05/05/11
Lab Sample ID:	D23238-6	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	90.7
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11295.D	1	05/11/11	DC	n/a	n/a	V3V631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	60	26	ug/kg	
108-88-3	Toluene	ND	120	60	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	83%		70-130%
17060-07-0	1,2-Dichloroethane-D4	87%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	C11		
Lab Sample ID:	D23238-6	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8015B	Percent Solids:	90.7
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10620.D	1	05/06/11	BR	n/a	n/a	GGB618
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	94%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	C11		
Lab Sample ID:	D23238-6	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846-8015B SW846 3546	Percent Solids:	90.7
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06670.D	1	05/10/11	JB	05/06/11	OP3622	GFD290
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	46.7	15	9.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: C2
Lab Sample ID: D23238-7
Matrix: SO - Soil
Method: SW846 8260B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 88.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11294.D	1	05/11/11	DC	n/a	n/a	V3V631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	62	27	ug/kg	
108-88-3	Toluene	ND	120	62	ug/kg	
100-41-4	Ethylbenzene	ND	120	31	ug/kg	
1330-20-7	Xylene (total)	ND	250	62	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	82%		70-130%
460-00-4	4-Bromofluorobenzene	83%		70-130%
17060-07-0	1,2-Dichloroethane-D4	89%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	C2		
Lab Sample ID:	D23238-7	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8015B	Percent Solids:	88.6
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10621.D	1	05/06/11	BR	n/a	n/a	GGB618
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.2	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	84%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID: C2

Lab Sample ID: D23238-7

Matrix: SO - Soil

Method: SW846-8015B SW846 3546

Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11

Date Received: 05/05/11

Percent Solids: 88.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06671.D	1	05/10/11	JB	05/06/11	OP3622	GFD290
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	151	15	9.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	D1		
Lab Sample ID:	D23238-8	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8260B	Percent Solids:	91.3
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11293.D	1	05/11/11	DC	n/a	n/a	V3V631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.05 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	59	26	ug/kg	
108-88-3	Toluene	ND	120	59	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	59	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	80%		70-130%
460-00-4	4-Bromofluorobenzene	82%		70-130%
17060-07-0	1,2-Dichloroethane-D4	91%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID: D1
Lab Sample ID: D23238-8
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 91.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10622.D	1	05/07/11	BR	n/a	n/a	GGB618
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	95%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	D1		
Lab Sample ID:	D23238-8	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846-8015B SW846 3546	Percent Solids:	91.3
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI01966.D	1	05/10/11	JB	05/09/11	OP3623	GFI129
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	163	15	9.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	D2	Date Sampled:	05/05/11
Lab Sample ID:	D23238-9	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	89.8
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11292.D	1	05/11/11	DC	n/a	n/a	V3V631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.08 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	61	27	ug/kg	
108-88-3	Toluene	ND	120	61	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	61	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	83%		70-130%
17060-07-0	1,2-Dichloroethane-D4	89%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	D2	Date Sampled:	05/05/11
Lab Sample ID:	D23238-9	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	89.8
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10623.D	1	05/07/11	BR	n/a	n/a	GGB618
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	91%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID: D2
Lab Sample ID: D23238-9
Matrix: SO - Soil
Method: SW846-8015B SW846 3546
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 89.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI01967.D	1	05/10/11	JB	05/09/11	OP3623	GFI129
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	232	15	9.6	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	94%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	D22	Date Sampled:	05/05/11
Lab Sample ID:	D23238-10	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	91.5
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11291.D	1	05/11/11	DC	n/a	n/a	V3V631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.03 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	59	26	ug/kg	
108-88-3	Toluene	123	120	59	ug/kg	
100-41-4	Ethylbenzene	30.2	120	29	ug/kg	J
1330-20-7	Xylene (total)	80.7	240	59	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	83%		70-130%
460-00-4	4-Bromofluorobenzene	82%		70-130%
17060-07-0	1,2-Dichloroethane-D4	91%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	D22		
Lab Sample ID:	D23238-10	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8015B	Percent Solids:	91.5
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10624.D	1	05/07/11	BR	n/a	n/a	GGB618
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	90%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	D22	Date Sampled:	05/05/11
Lab Sample ID:	D23238-10	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	91.5
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI01968.D	1	05/10/11	JB	05/09/11	OP3623	GFI129
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	296	15	9.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	98%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: E1
Lab Sample ID: D23238-11
Matrix: SO - Soil
Method: SW846 8260B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11

Date Received: 05/05/11

Percent Solids: 91.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11290.D	1	05/11/11	DC	n/a	n/a	V3V631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.05 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	59	26	ug/kg	
108-88-3	Toluene	ND	120	59	ug/kg	
100-41-4	Ethylbenzene	ND	120	29	ug/kg	
1330-20-7	Xylene (total)	ND	240	59	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	82%		70-130%
460-00-4	4-Bromofluorobenzene	81%		70-130%
17060-07-0	1,2-Dichloroethane-D4	89%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: E1
Lab Sample ID: D23238-11
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 91.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10626.D	1	05/07/11	BR	n/a	n/a	GGB618
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	87%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E1		
Lab Sample ID:	D23238-11	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846-8015B SW846 3546	Percent Solids:	91.4
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI01965.D	1	05/10/11	JB	05/09/11	OP3623	GFI129
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	273	15	9.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E2	Date Sampled:	05/05/11
Lab Sample ID:	D23238-12	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	90.5
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11289.D	1	05/10/11	DC	n/a	n/a	V3V631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.02 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	60	27	ug/kg	
108-88-3	Toluene	ND	120	60	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	81%		70-130%
460-00-4	4-Bromofluorobenzene	82%		70-130%
17060-07-0	1,2-Dichloroethane-D4	91%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: E2
Lab Sample ID: D23238-12
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 90.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10627.D	1	05/07/11	BR	n/a	n/a	GGB618
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	93%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E2		
Lab Sample ID:	D23238-12	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846-8015B SW846 3546	Percent Solids:	90.5
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI01969.D	1	05/11/11	JB	05/09/11	OP3623	GF1129
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	137	15	9.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: F1
Lab Sample ID: D23238-13
Matrix: SO - Soil
Method: SW846 8260B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 88.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11288.D	1	05/10/11	DC	n/a	n/a	V3V631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.03 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	63	28	ug/kg	
108-88-3	Toluene	ND	130	63	ug/kg	
100-41-4	Ethylbenzene	ND	130	32	ug/kg	
1330-20-7	Xylene (total)	ND	250	63	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	81%		70-130%
460-00-4	4-Bromofluorobenzene	85%		70-130%
17060-07-0	1,2-Dichloroethane-D4	88%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: F1
Lab Sample ID: D23238-13
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 88.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10628.D	1	05/07/11	BR	n/a	n/a	GGB618
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	13	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	96%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F1						
Lab Sample ID:	D23238-13						
Matrix:	SO - Soil				Date Sampled:	05/05/11	
Method:	SW846-8015B SW846 3546				Date Received:	05/05/11	
Project:	Landfarm, Peetz, CO				Percent Solids:	88.0	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI01970.D	1	05/11/11	JB	05/09/11	OP3623	GFI129
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	154	15	9.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H1		
Lab Sample ID:	D23238-14	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8260B	Percent Solids:	91.7
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11287.D	1	05/10/11	DC	n/a	n/a	V3V631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	59	26	ug/kg	
108-88-3	Toluene	ND	120	59	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	59	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	82%		70-130%
460-00-4	4-Bromofluorobenzene	85%		70-130%
17060-07-0	1,2-Dichloroethane-D4	90%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: H1
Lab Sample ID: D23238-14
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 91.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10629.D	1	05/07/11	BR	n/a	n/a	GGB618
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	10.4	12	5.9	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	98%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H1	Date Sampled:	05/05/11
Lab Sample ID:	D23238-14	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	91.7
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI01971.D	1	05/11/11	JB	05/09/11	OP3623	GFI129
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	719	15	9.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	94%		61-142%		

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: F2
Lab Sample ID: D23238-15
Matrix: SO - Soil
Method: SW846 8260B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 92.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11286.D	1	05/10/11	DC	n/a	n/a	V3V631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.06 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	57	25	ug/kg	
108-88-3	Toluene	ND	110	57	ug/kg	
100-41-4	Ethylbenzene	ND	110	29	ug/kg	
1330-20-7	Xylene (total)	ND	230	57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	78%		70-130%
460-00-4	4-Bromofluorobenzene	83%		70-130%
17060-07-0	1,2-Dichloroethane-D4	95%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F2	Date Sampled:	05/05/11
Lab Sample ID:	D23238-15	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	92.7
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10630.D	1	05/07/11	BR	n/a	n/a	GGB618
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.7	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	95%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F2	Date Sampled:	05/05/11
Lab Sample ID:	D23238-15	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	92.7
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI01972.D	1	05/11/11	JB	05/09/11	OP3623	GFI129
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	203	14	9.3	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	91%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G1
Lab Sample ID: D23238-16
Matrix: SO - Soil
Method: SW846 8260B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 90.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11285.D	1	05/10/11	DC	n/a	n/a	V3V631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.06 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	60	26	ug/kg	
108-88-3	Toluene	ND	120	60	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	79%		70-130%
460-00-4	4-Bromofluorobenzene	85%		70-130%
17060-07-0	1,2-Dichloroethane-D4	87%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G1
Lab Sample ID: D23238-16
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 90.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10631.D	1	05/07/11	BR	n/a	n/a	GGB618
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	10.0	12	6.0	mg/kg	J
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	87%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G1						
Lab Sample ID:	D23238-16					Date Sampled:	05/05/11
Matrix:	SO - Soil					Date Received:	05/05/11
Method:	SW846-8015B	SW846	3546			Percent Solids:	90.7
Project:	Landfarm, Peetz, CO						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI01973.D	1	05/11/11	JB	05/09/11	OP3623	GFI129
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	2260	15	9.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	73%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G2		
Lab Sample ID:	D23238-17	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8260B	Percent Solids:	91.6
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11284.D	1	05/10/11	DC	n/a	n/a	V3V631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.05 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	59	26	ug/kg	
108-88-3	Toluene	ND	120	59	ug/kg	
100-41-4	Ethylbenzene	ND	120	29	ug/kg	
1330-20-7	Xylene (total)	ND	230	59	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	82%		70-130%
460-00-4	4-Bromofluorobenzene	83%		70-130%
17060-07-0	1,2-Dichloroethane-D4	90%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G2	Date Sampled:	05/05/11
Lab Sample ID:	D23238-17	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	91.6
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10632.D	1	05/07/11	BR	n/a	n/a	GGB618
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	85%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G2**Lab Sample ID:** D23238-17**Matrix:** SO - Soil**Method:** SW846-8015B SW846 3546**Project:** Landfarm, Peetz, CO**Date Sampled:** 05/05/11**Date Received:** 05/05/11**Percent Solids:** 91.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI01974.D	1	05/11/11	JB	05/09/11	OP3623	GFI129
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	859	15	9.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: F11
Lab Sample ID: D23238-18
Matrix: SO - Soil
Method: SW846 8260B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 90.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11281.D	1	05/10/11	DC	n/a	n/a	V3V631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	60	26	ug/kg	
108-88-3	Toluene	ND	120	60	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	78%		70-130%
460-00-4	4-Bromofluorobenzene	83%		70-130%
17060-07-0	1,2-Dichloroethane-D4	88%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F11		
Lab Sample ID:	D23238-18	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8015B	Percent Solids:	90.9
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10633.D	1	05/07/11	BR	n/a	n/a	GGB618
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.0	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	92%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F11						
Lab Sample ID:	D23238-18					Date Sampled:	05/05/11
Matrix:	SO - Soil					Date Received:	05/05/11
Method:	SW846-8015B	SW846	3546			Percent Solids:	90.9
Project:	Landfarm, Peetz, CO						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI01976.D	1	05/11/11	JB	05/09/11	OP3623	GFI129
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	134	15	9.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	97%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H2	Date Sampled:	05/05/11
Lab Sample ID:	D23238-19	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	89.9
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11448.D	1	05/17/11	DC	n/a	n/a	V3V643
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.02 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	61	27	ug/kg	
108-88-3	Toluene	ND	120	61	ug/kg	
100-41-4	Ethylbenzene	ND	120	31	ug/kg	
1330-20-7	Xylene (total)	ND	240	61	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	80%		70-130%
460-00-4	4-Bromofluorobenzene	88%		70-130%
17060-07-0	1,2-Dichloroethane-D4	93%		70-130%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H2	
Lab Sample ID:	D23238-19	Date Sampled: 05/05/11
Matrix:	SO - Soil	Date Received: 05/05/11
Method:	SW846 8015B	Percent Solids: 89.9
Project:	Landfarm, Peetz, CO	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10634.D	1	05/07/11	BR	n/a	n/a	GGB618
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	6.68	12	6.1	mg/kg	J
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	87%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: H2
Lab Sample ID: D23238-19
Matrix: SO - Soil
Method: SW846-8015B SW846 3546
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11**Date Received:** 05/05/11**Percent Solids:** 89.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI01977.D	1	05/11/11	JB	05/09/11	OP3623	GF1129
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	515	15	9.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		61-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I1		
Lab Sample ID:	D23238-20	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8260B	Percent Solids:	92.7
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15292.D	1	05/11/11	DC	n/a	n/a	V5V895
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.02 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	58	25	ug/kg	
108-88-3	Toluene	ND	120	58	ug/kg	
100-41-4	Ethylbenzene	ND	120	29	ug/kg	
1330-20-7	Xylene (total)	ND	230	58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	73%		70-130%
460-00-4	4-Bromofluorobenzene	90%		70-130%
17060-07-0	1,2-Dichloroethane-D4	120%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I1		
Lab Sample ID:	D23238-20	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8015B	Percent Solids:	92.7
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10635.D	1	05/07/11	BR	n/a	n/a	GGB618
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	7.44	12	5.8	mg/kg	J
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	96%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I1						
Lab Sample ID:	D23238-20				Date Sampled:	05/05/11	
Matrix:	SO - Soil				Date Received:	05/05/11	
Method:	SW846-8015B	SW846	3546		Percent Solids:	92.7	
Project:	Landfarm, Peetz, CO						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI01978.D	1	05/11/11	JB	05/09/11	OP3623	GFI129
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	546	14	9.3	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	82%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I2	Date Sampled:	05/05/11
Lab Sample ID:	D23238-21	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	93.5
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15291.D	1	05/11/11	DC	n/a	n/a	V5V895
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	57	25	ug/kg	
108-88-3	Toluene	ND	110	57	ug/kg	
100-41-4	Ethylbenzene	ND	110	28	ug/kg	
1330-20-7	Xylene (total)	ND	230	57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	73%		70-130%
460-00-4	4-Bromofluorobenzene	89%		70-130%
17060-07-0	1,2-Dichloroethane-D4	119%		70-130%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I2		
Lab Sample ID:	D23238-21	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8015B	Percent Solids:	93.5
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10639.D	1	05/07/11	BR	n/a	n/a	GGB619
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.7	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	92%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I2		
Lab Sample ID:	D23238-21	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846-8015B SW846 3546	Percent Solids:	93.5
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI01979.D	1	05/11/11	JB	05/09/11	OP3623	GFI129
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	783	14	9.3	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	93%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E3	Date Sampled:	05/05/11
Lab Sample ID:	D23238-22	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	92.7
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15290.D	1	05/10/11	DC	n/a	n/a	V5V895
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	57	25	ug/kg	
108-88-3	Toluene	186	110	57	ug/kg	
100-41-4	Ethylbenzene	56.0	110	29	ug/kg	J
1330-20-7	Xylene (total)	181	230	57	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	73%		70-130%
460-00-4	4-Bromofluorobenzene	89%		70-130%
17060-07-0	1,2-Dichloroethane-D4	113%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E3	Date Sampled:	05/05/11
Lab Sample ID:	D23238-22	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	92.7
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10642.D	1	05/07/11	BR	n/a	n/a	GGB619
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.7	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	97%		60-140%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E3	Date Sampled:	05/05/11
Lab Sample ID:	D23238-22	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	92.7
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI01980.D	1	05/11/11	JB	05/09/11	OP3623	GFI129
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	123	14	9.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E4	Date Sampled:	05/05/11
Lab Sample ID:	D23238-23	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	93.0
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15289.D	1	05/10/11	DC	n/a	n/a	V5V895
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	58	25	ug/kg	
108-88-3	Toluene	ND	120	58	ug/kg	
100-41-4	Ethylbenzene	ND	120	29	ug/kg	
1330-20-7	Xylene (total)	ND	230	58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	72%		70-130%
460-00-4	4-Bromofluorobenzene	90%		70-130%
17060-07-0	1,2-Dichloroethane-D4	121%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E4	Date Sampled:	05/05/11
Lab Sample ID:	D23238-23	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	93.0
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10643.D	1	05/07/11	BR	n/a	n/a	GGB619
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	5.93	12	5.8	mg/kg	J
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	97%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E4	Date Sampled:	05/05/11
Lab Sample ID:	D23238-23	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	93.0
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI01981.D	1	05/11/11	JB	05/09/11	OP3623	GFI129
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	725	14	9.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F3	Date Sampled:	05/05/11
Lab Sample ID:	D23238-24	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	90.0
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15288.D	1	05/10/11	DC	n/a	n/a	V5V895
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.02 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	61	27	ug/kg	
108-88-3	Toluene	ND	120	61	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	61	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	76%		70-130%
460-00-4	4-Bromofluorobenzene	91%		70-130%
17060-07-0	1,2-Dichloroethane-D4	118%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: F3
Lab Sample ID: D23238-24
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 90.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10644.D	1	05/07/11	BR	n/a	n/a	GGB619
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.1	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	97%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F3	Date Sampled:	05/05/11
Lab Sample ID:	D23238-24	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	90.0
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI01982.D	1	05/11/11	JB	05/09/11	OP3623	GFI129
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	224	15	9.6	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	93%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F4		
Lab Sample ID:	D23238-25	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8260B	Percent Solids:	93.7
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15287.D	1	05/10/11	DC	n/a	n/a	V5V895
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	56	25	ug/kg	
108-88-3	Toluene	ND	110	56	ug/kg	
100-41-4	Ethylbenzene	ND	110	28	ug/kg	
1330-20-7	Xylene (total)	ND	230	56	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	74%		70-130%
460-00-4	4-Bromofluorobenzene	91%		70-130%
17060-07-0	1,2-Dichloroethane-D4	111%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: F4
Lab Sample ID: D23238-25
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 93.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10645.D	1	05/07/11	BR	n/a	n/a	GGB619
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	98%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F4	Date Sampled:	05/05/11
Lab Sample ID:	D23238-25	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	93.7
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI02034.D	1	05/13/11	JB	05/09/11	OP3626	GFI133
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	567	14	9.2	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	94%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G3
Lab Sample ID: D23238-26
Matrix: SO - Soil
Method: SW846 8260B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 90.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15286.D	1	05/10/11	DC	n/a	n/a	V5V895
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.02 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	60	26	ug/kg	
108-88-3	Toluene	ND	120	60	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	74%		70-130%
460-00-4	4-Bromofluorobenzene	107%		70-130%
17060-07-0	1,2-Dichloroethane-D4	124%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G3	Date Sampled:	05/05/11
Lab Sample ID:	D23238-26	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	90.9
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10646.D	1	05/07/11	BR	n/a	n/a	GGB619
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	27.9	12	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	108%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G3						
Lab Sample ID:	D23238-26					Date Sampled:	05/05/11
Matrix:	SO - Soil					Date Received:	05/05/11
Method:	SW846-8015B	SW846	3546			Percent Solids:	90.9
Project:	Landfarm, Peetz, CO						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI02094.D	2	05/17/11	JB	05/09/11	OP3626	GFI135
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	4630	29	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G4						
Lab Sample ID:	D23238-27					Date Sampled:	05/05/11
Matrix:	SO - Soil					Date Received:	05/05/11
Method:	SW846 8260B					Percent Solids:	89.9
Project:	Landfarm, Peetz, CO						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15285.D	1	05/10/11	DC	n/a	n/a	V5V895
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	61	27	ug/kg	
108-88-3	Toluene	ND	120	61	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	61	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	73%		70-130%
460-00-4	4-Bromofluorobenzene	92%		70-130%
17060-07-0	1,2-Dichloroethane-D4	121%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	G4	Date Sampled:	05/05/11
Lab Sample ID:	D23238-27	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	89.9
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10647.D	1	05/07/11	BR	n/a	n/a	GGB619
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	19.7	12	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	107%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G4	Date Sampled:	05/05/11
Lab Sample ID:	D23238-27	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	89.9
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI02095.D	2	05/17/11	JB	05/09/11	OP3626	GFI135
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	4830	30	19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	67%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: H3
Lab Sample ID: D23238-28
Matrix: SO - Soil
Method: SW846 8260B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 89.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15284.D	1	05/10/11	DC	n/a	n/a	V5V895
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.03 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	61	27	ug/kg	
108-88-3	Toluene	ND	120	61	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	61	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	73%		70-130%
460-00-4	4-Bromofluorobenzene	93%		70-130%
17060-07-0	1,2-Dichloroethane-D4	126%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H3		
Lab Sample ID:	D23238-28	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8015B	Percent Solids:	89.9
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10648.D	1	05/07/11	BR	n/a	n/a	GGB619
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	12.2	12	6.1	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	105%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H3						
Lab Sample ID:	D23238-28					Date Sampled:	05/05/11
Matrix:	SO - Soil					Date Received:	05/05/11
Method:	SW846-8015B SW846 3546					Percent Solids:	89.9
Project:	Landfarm, Peetz, CO						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI02037.D	1	05/13/11	JB	05/09/11	OP3626	GFI133
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	898	15	9.6	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	93%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H4	Date Sampled:	05/05/11
Lab Sample ID:	D23238-29	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	92.0
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15283.D	1	05/10/11	DC	n/a	n/a	V5V895
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	58	26	ug/kg	
108-88-3	Toluene	ND	120	58	ug/kg	
100-41-4	Ethylbenzene	ND	120	29	ug/kg	
1330-20-7	Xylene (total)	ND	230	58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	73%		70-130%
460-00-4	4-Bromofluorobenzene	88%		70-130%
17060-07-0	1,2-Dichloroethane-D4	116%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: H4
Lab Sample ID: D23238-29
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 92.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10649.D	1	05/07/11	BR	n/a	n/a	GGB619
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.8	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	99%		60-140%		

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H4	Date Sampled:	05/05/11
Lab Sample ID:	D23238-29	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	92.0
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI02038.D	1	05/13/11	JB	05/09/11	OP3626	GFI133
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	443	14	9.4	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	96%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: I3
Lab Sample ID: D23238-30
Matrix: SO - Soil
Method: SW846 8260B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 91.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15282.D	1	05/10/11	DC	n/a	n/a	V5V895
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.05 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	59	26	ug/kg	
108-88-3	Toluene	ND	120	59	ug/kg	
100-41-4	Ethylbenzene	ND	120	29	ug/kg	
1330-20-7	Xylene (total)	ND	240	59	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	76%		70-130%
460-00-4	4-Bromofluorobenzene	91%		70-130%
17060-07-0	1,2-Dichloroethane-D4	125%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: I3
Lab Sample ID: D23238-30
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 91.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10650.D	1	05/07/11	BR	n/a	n/a	GGB619
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	96%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I3		
Lab Sample ID:	D23238-30	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846-8015B SW846 3546	Percent Solids:	91.5
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI02039.D	1	05/13/11	JB	05/09/11	OP3626	GFI133
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	647	15	9.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	96%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I4	Date Sampled:	05/05/11
Lab Sample ID:	D23238-31	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	90.7
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	SV15281.D	1	05/10/11	DC	n/a	n/a	V5V895
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	60	26	ug/kg	
108-88-3	Toluene	ND	120	60	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	76%		70-130%
460-00-4	4-Bromofluorobenzene	94%		70-130%
17060-07-0	1,2-Dichloroethane-D4	126%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I4		
Lab Sample ID:	D23238-31	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8015B	Percent Solids:	90.7
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10652.D	1	05/07/11	BR	n/a	n/a	GGB619
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	7.51	12	6.0	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	100%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: I4

Lab Sample ID: D23238-31

Matrix: SO - Soil

Method: SW846-8015B SW846 3546

Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11

Date Received: 05/05/11

Percent Solids: 90.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI02040.D	1	05/13/11	JB	05/09/11	OP3626	GFI133
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	459	15	9.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	97%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: E5
Lab Sample ID: D23238-32
Matrix: SO - Soil
Method: SW846 8260B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11

Date Received: 05/05/11

Percent Solids: 89.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15280.D	1	05/10/11	DC	n/a	n/a	V5V895
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.06 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	61	27	ug/kg	
108-88-3	Toluene	ND	120	61	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	61	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	76%		70-130%
460-00-4	4-Bromofluorobenzene	90%		70-130%
17060-07-0	1,2-Dichloroethane-D4	124%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E5	Date Sampled:	05/05/11
Lab Sample ID:	D23238-32	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	89.8
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10653.D	1	05/07/11	BR	n/a	n/a	GGB619
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	101%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E5	Date Sampled:	05/05/11
Lab Sample ID:	D23238-32	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	89.8
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI02041.D	1	05/13/11	JB	05/09/11	OP3626	GFI133
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	707	15	9.6	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	94%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E6	Date Sampled:	05/05/11
Lab Sample ID:	D23238-33	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	91.2
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15279.D	1	05/10/11	DC	n/a	n/a	V5V895
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.03 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	59	26	ug/kg	
108-88-3	Toluene	ND	120	59	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	59	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	74%		70-130%
460-00-4	4-Bromofluorobenzene	93%		70-130%
17060-07-0	1,2-Dichloroethane-D4	119%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E6	Date Sampled:	05/05/11
Lab Sample ID:	D23238-33	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	91.2
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10654.D	1	05/07/11	BR	n/a	n/a	GGB619
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	7.68	12	5.9	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	92%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: E6
Lab Sample ID: D23238-33
Matrix: SO - Soil
Method: SW846-8015B SW846 3546
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11**Date Received:** 05/05/11**Percent Solids:** 91.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI02042.D	1	05/13/11	JB	05/09/11	OP3626	GFI133
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	574	15	9.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	94%		61-142%		

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F5	Date Sampled:	05/05/11
Lab Sample ID:	D23238-34	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	92.3
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15278.D	1	05/10/11	DC	n/a	n/a	V5V895
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.01 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	58	26	ug/kg	
108-88-3	Toluene	ND	120	58	ug/kg	
100-41-4	Ethylbenzene	ND	120	29	ug/kg	
1330-20-7	Xylene (total)	ND	230	58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	76%		70-130%
460-00-4	4-Bromofluorobenzene	90%		70-130%
17060-07-0	1,2-Dichloroethane-D4	118%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: F5
Lab Sample ID: D23238-34
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 92.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10655.D	1	05/07/11	BR	n/a	n/a	GGB619
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.8	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	95%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F5	Date Sampled:	05/05/11
Lab Sample ID:	D23238-34	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	92.3
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI02044.D	1	05/13/11	JB	05/09/11	OP3626	GFI133
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	132	14	9.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F6	Date Sampled:	05/05/11
Lab Sample ID:	D23238-35	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	93.7
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15275.D	1	05/10/11	DC	n/a	n/a	V5V895
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.01 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	57	25	ug/kg	
108-88-3	Toluene	ND	110	57	ug/kg	
100-41-4	Ethylbenzene	ND	110	28	ug/kg	
1330-20-7	Xylene (total)	ND	230	57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	74%		70-130%
460-00-4	4-Bromofluorobenzene	88%		70-130%
17060-07-0	1,2-Dichloroethane-D4	126%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F6	Date Sampled:	05/05/11
Lab Sample ID:	D23238-35	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	93.7
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10656.D	1	05/07/11	BR	n/a	n/a	GGB619
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	98%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F6	Date Sampled:	05/05/11
Lab Sample ID:	D23238-35	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	93.7
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI02045.D	1	05/13/11	JB	05/09/11	OP3626	GFI133
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	153	14	9.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G5		
Lab Sample ID:	D23238-36	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8260B	Percent Solids:	93.2
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11274.D	1	05/10/11	DC	n/a	n/a	V3V630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.06 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	57	25	ug/kg	
108-88-3	Toluene	ND	110	57	ug/kg	
100-41-4	Ethylbenzene	ND	110	28	ug/kg	
1330-20-7	Xylene (total)	ND	230	57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	80%		70-130%
460-00-4	4-Bromofluorobenzene	88%		70-130%
17060-07-0	1,2-Dichloroethane-D4	91%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G5		
Lab Sample ID:	D23238-36	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8015B	Percent Solids:	93.2
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10657.D	1	05/07/11	BR	n/a	n/a	GGB619
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	86%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G5	Date Sampled:	05/05/11
Lab Sample ID:	D23238-36	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	93.2
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI02050.D	1	05/13/11	JB	05/09/11	OP3626	GFI133
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	2510	14	9.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G6	Date Sampled:	05/05/11
Lab Sample ID:	D23238-37	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	90.1
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11273.D	1	05/10/11	DC	n/a	n/a	V3V630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.06 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	60	27	ug/kg	
108-88-3	Toluene	ND	120	60	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	80%		70-130%
460-00-4	4-Bromofluorobenzene	87%		70-130%
17060-07-0	1,2-Dichloroethane-D4	89%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G6						
Lab Sample ID:	D23238-37					Date Sampled:	05/05/11
Matrix:	SO - Soil					Date Received:	05/05/11
Method:	SW846 8015B					Percent Solids:	90.1
Project:	Landfarm, Peetz, CO						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10658.D	1	05/07/11	BR	n/a	n/a	GGB619
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	7.99	12	6.0	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	90%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G6	Date Sampled:	05/05/11
Lab Sample ID:	D23238-37	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	90.1
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI02051.D	1	05/13/11	JB	05/09/11	OP3626	GFI133
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	2370	15	9.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: H5
Lab Sample ID: D23238-38
Matrix: SO - Soil
Method: SW846 8260B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 90.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11272.D	1	05/10/11	DC	n/a	n/a	V3V630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.06 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	60	26	ug/kg	
108-88-3	Toluene	ND	120	60	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	80%		70-130%
460-00-4	4-Bromofluorobenzene	85%		70-130%
17060-07-0	1,2-Dichloroethane-D4	87%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H5	Date Sampled:	05/05/11
Lab Sample ID:	D23238-38	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	90.7
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10659.D	1	05/07/11	BR	n/a	n/a	GGB619
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	98%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H5	
Lab Sample ID:	D23238-38	Date Sampled: 05/05/11
Matrix:	SO - Soil	Date Received: 05/05/11
Method:	SW846-8015B SW846 3546	Percent Solids: 90.7
Project:	Landfarm, Peetz, CO	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI02052.D	1	05/13/11	JB	05/09/11	OP3626	GFI133
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	118	15	9.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	97%		61-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H6		
Lab Sample ID:	D23238-39	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8260B	Percent Solids:	92.8
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11271.D	1	05/10/11	DC	n/a	n/a	V3V630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.06 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	57	25	ug/kg	
108-88-3	Toluene	ND	110	57	ug/kg	
100-41-4	Ethylbenzene	ND	110	29	ug/kg	
1330-20-7	Xylene (total)	ND	230	57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	81%		70-130%
460-00-4	4-Bromofluorobenzene	87%		70-130%
17060-07-0	1,2-Dichloroethane-D4	91%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H6	Date Sampled:	05/05/11
Lab Sample ID:	D23238-39	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	92.8
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10660.D	1	05/07/11	BR	n/a	n/a	GGB619
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	92%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H6	Date Sampled:	05/05/11
Lab Sample ID:	D23238-39	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	92.8
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI02053.D	1	05/13/11	JB	05/09/11	OP3626	GFI133
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	156	14	9.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I5		
Lab Sample ID:	D23238-40	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8260B	Percent Solids:	92.4
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11267.D	1	05/10/11	DC	n/a	n/a	V3V630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.01 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	58	26	ug/kg	
108-88-3	Toluene	ND	120	58	ug/kg	
100-41-4	Ethylbenzene	ND	120	29	ug/kg	
1330-20-7	Xylene (total)	ND	230	58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	85%		70-130%
17060-07-0	1,2-Dichloroethane-D4	91%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I5		
Lab Sample ID:	D23238-40	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8015B	Percent Solids:	92.4
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10661.D	1	05/08/11	BR	n/a	n/a	GGB619
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	6.37	12	5.8	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	91%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I5	Date Sampled:	05/05/11
Lab Sample ID:	D23238-40	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	92.4
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI02033.D	1	05/13/11	JB	05/09/11	OP3626	GF1133
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	410	14	9.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I6						
Lab Sample ID:	D23238-41					Date Sampled:	05/05/11
Matrix:	SO - Soil					Date Received:	05/05/11
Method:	SW846 8260B					Percent Solids:	88.7
Project:	Landfarm, Peetz, CO						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11266.D	1	05/10/11	DC	n/a	n/a	V3V630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	62	27	ug/kg	
108-88-3	Toluene	ND	120	62	ug/kg	
100-41-4	Ethylbenzene	ND	120	31	ug/kg	
1330-20-7	Xylene (total)	ND	250	62	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	84%		70-130%
17060-07-0	1,2-Dichloroethane-D4	89%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I6						
Lab Sample ID:	D23238-41					Date Sampled:	05/05/11
Matrix:	SO - Soil					Date Received:	05/05/11
Method:	SW846 8015B					Percent Solids:	88.7
Project:	Landfarm, Peetz, CO						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10666.D	1	05/10/11	BR	n/a	n/a	GGB620
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	7.33	12	6.2	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	104%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: I6

Lab Sample ID: D23238-41

Matrix: SO - Soil

Method: SW846-8015B SW846 3546

Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11

Date Received: 05/05/11

Percent Solids: 88.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI02054.D	1	05/13/11	JB	05/09/11	OP3626	GFI133
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	196	15	9.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	99%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E7	Date Sampled:	05/05/11
Lab Sample ID:	D23238-42	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	88.4
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11265.D	1	05/10/11	DC	n/a	n/a	V3V630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.01 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	63	28	ug/kg	
108-88-3	Toluene	ND	130	63	ug/kg	
100-41-4	Ethylbenzene	ND	130	32	ug/kg	
1330-20-7	Xylene (total)	ND	250	63	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	83%		70-130%
460-00-4	4-Bromofluorobenzene	83%		70-130%
17060-07-0	1,2-Dichloroethane-D4	89%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E7	Date Sampled:	05/05/11
Lab Sample ID:	D23238-42	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	88.4
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10669.D	1	05/10/11	BR	n/a	n/a	GGB620
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	13	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	93%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E7		
Lab Sample ID:	D23238-42	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846-8015B SW846 3546	Percent Solids:	88.4
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI02055.D	1	05/13/11	JB	05/09/11	OP3626	GFI133
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	283	15	9.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E8		
Lab Sample ID:	D23238-43	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8260B	Percent Solids:	91.3
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11264.D	1	05/10/11	DC	n/a	n/a	V3V630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.05 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	59	26	ug/kg	
108-88-3	Toluene	ND	120	59	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	59	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	81%		70-130%
460-00-4	4-Bromofluorobenzene	84%		70-130%
17060-07-0	1,2-Dichloroethane-D4	87%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: E8
Lab Sample ID: D23238-43
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 91.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10670.D	1	05/10/11	BR	n/a	n/a	GGB620
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	100%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E8	Date Sampled:	05/05/11
Lab Sample ID:	D23238-43	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	91.3
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI02056.D	1	05/13/11	JB	05/09/11	OP3626	GFI133
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	167	15	9.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E88	Date Sampled:	05/05/11
Lab Sample ID:	D23238-44	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	93.3
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11263.D	1	05/10/11	DC	n/a	n/a	V3V630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	57	25	ug/kg	
108-88-3	Toluene	ND	110	57	ug/kg	
100-41-4	Ethylbenzene	ND	110	28	ug/kg	
1330-20-7	Xylene (total)	ND	230	57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	82%		70-130%
460-00-4	4-Bromofluorobenzene	87%		70-130%
17060-07-0	1,2-Dichloroethane-D4	86%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E88	Date Sampled:	05/05/11
Lab Sample ID:	D23238-44	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	93.3
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10671.D	1	05/10/11	BR	n/a	n/a	GGB620
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	96%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E88	Date Sampled:	05/05/11
Lab Sample ID:	D23238-44	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	93.3
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI02057.D	1	05/13/11	JB	05/09/11	OP3626	GFI133
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	114	14	9.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F7		
Lab Sample ID:	D23238-45	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8260B	Percent Solids:	89.3
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11262.D	1	05/10/11	DC	n/a	n/a	V3V630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	62	27	ug/kg	
108-88-3	Toluene	ND	120	62	ug/kg	
100-41-4	Ethylbenzene	ND	120	31	ug/kg	
1330-20-7	Xylene (total)	ND	250	62	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	86%		70-130%
17060-07-0	1,2-Dichloroethane-D4	91%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: F7
Lab Sample ID: D23238-45
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 89.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10672.D	1	05/10/11	BR	n/a	n/a	GGB620
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	94%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F7		
Lab Sample ID:	D23238-45	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846-8015B SW846 3546	Percent Solids:	89.3
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06727.D	1	05/11/11	JB	05/10/11	OP3633	GFD292
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	210	15	9.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: F8
Lab Sample ID: D23238-46
Matrix: SO - Soil
Method: SW846 8260B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 90.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11261.D	1	05/10/11	DC	n/a	n/a	V3V630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	60	26	ug/kg	
108-88-3	Toluene	ND	120	60	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	81%		70-130%
460-00-4	4-Bromofluorobenzene	87%		70-130%
17060-07-0	1,2-Dichloroethane-D4	89%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F8		
Lab Sample ID:	D23238-46	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8015B	Percent Solids:	90.8
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10673.D	1	05/10/11	BR	n/a	n/a	GGB620
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	100%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F8	Date Sampled:	05/05/11
Lab Sample ID:	D23238-46	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	90.8
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06728.D	1	05/11/11	JB	05/10/11	OP3633	GFD292
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	144	15	9.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		61-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G7		
Lab Sample ID:	D23238-47	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8260B	Percent Solids:	94.1
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11260.D	1	05/10/11	DC	n/a	n/a	V3V630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.03 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	56	25	ug/kg	
108-88-3	Toluene	ND	110	56	ug/kg	
100-41-4	Ethylbenzene	61.1	110	28	ug/kg	J
1330-20-7	Xylene (total)	324	220	56	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	82%		70-130%
460-00-4	4-Bromofluorobenzene	84%		70-130%
17060-07-0	1,2-Dichloroethane-D4	93%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G7		
Lab Sample ID:	D23238-47	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8015B	Percent Solids:	94.1
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10674.D	1	05/10/11	BR	n/a	n/a	GGB620
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	15.3	11	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	103%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G7	Date Sampled:	05/05/11
Lab Sample ID:	D23238-47	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	94.1
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06774.D	10	05/12/11	JB	05/12/11	OP3648	GFD296
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	3.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	7100	210	140	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	67%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G8	Date Sampled:	05/05/11
Lab Sample ID:	D23238-48	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	93.1
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11259.D	1	05/10/11	DC	n/a	n/a	V3V630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics.

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	57	25	ug/kg	
108-88-3	Toluene	ND	110	57	ug/kg	
100-41-4	Ethylbenzene	ND	110	29	ug/kg	
1330-20-7	Xylene (total)	ND	230	57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	82%		70-130%
460-00-4	4-Bromofluorobenzene	83%		70-130%
17060-07-0	1,2-Dichloroethane-D4	86%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G8	Date Sampled:	05/05/11
Lab Sample ID:	D23238-48	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	93.1
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10675.D	1	05/10/11	BR	n/a	n/a	GGB620
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	97%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G8
Lab Sample ID: D23238-48
Matrix: SO - Soil
Method: SW846-8015B SW846 3546
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 93.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06775.D	1	05/12/11	JB	05/12/11	OP3648	GFD296
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	548	14	9.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		61-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H7	Date Sampled:	05/05/11
Lab Sample ID:	D23238-49	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	94.0
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V11256.D	1	05/10/11	DC	n/a	n/a	V3V630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.01 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	56	25	ug/kg	
108-88-3	Toluene	ND	110	56	ug/kg	
100-41-4	Ethylbenzene	ND	110	28	ug/kg	
1330-20-7	Xylene (total)	ND	230	56	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	81%		70-130%
460-00-4	4-Bromofluorobenzene	78%		70-130%
17060-07-0	1,2-Dichloroethane-D4	89%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H7						
Lab Sample ID:	D23238-49					Date Sampled:	05/05/11
Matrix:	SO - Soil					Date Received:	05/05/11
Method:	SW846 8015B					Percent Solids:	94.0
Project:	Landfarm, Peetz, CO						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10676.D	1	05/10/11	BR	n/a	n/a	GGB620
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	92%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: H7

Lab Sample ID: D23238-49

Matrix: SO - Soil

Method: SW846-8015B SW846 3546

Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11

Date Received: 05/05/11

Percent Solids: 94.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06776.D	1	05/12/11	JB	05/12/11	OP3648	GFD296
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	330	14	9.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H8	Date Sampled:	05/05/11
Lab Sample ID:	D23238-50	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	92.6
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15267.D	1	05/10/11	DC	n/a	n/a	V5V894
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	58	25	ug/kg	
108-88-3	Toluene	ND	120	58	ug/kg	
100-41-4	Ethylbenzene	ND	120	29	ug/kg	
1330-20-7	Xylene (total)	ND	230	58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	76%		70-130%
460-00-4	4-Bromofluorobenzene	86%		70-130%
17060-07-0	1,2-Dichloroethane-D4	127%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H8						
Lab Sample ID:	D23238-50					Date Sampled:	05/05/11
Matrix:	SO - Soil					Date Received:	05/05/11
Method:	SW846 8015B					Percent Solids:	92.6
Project:	Landfarm, Peetz, CO						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10677.D	1	05/10/11	BR	n/a	n/a	GGB620
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	7.17	12	5.8	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	84%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: H8

Lab Sample ID: D23238-50

Matrix: SO - Soil

Method: SW846-8015B SW846 3546

Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11

Date Received: 05/05/11

Percent Solids: 92.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06777.D	1	05/12/11	JB	05/12/11	OP3648	GFD296
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	747	14	9.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: I7
Lab Sample ID: D23238-51
Matrix: SO - Soil
Method: SW846 8260B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 92.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15266.D	1	05/09/11	DC	n/a	n/a	V5V894
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.01 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	58	25	ug/kg	
108-88-3	Toluene	ND	120	58	ug/kg	
100-41-4	Ethylbenzene	ND	120	29	ug/kg	
1330-20-7	Xylene (total)	ND	230	58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	79%		70-130%
460-00-4	4-Bromofluorobenzene	92%		70-130%
17060-07-0	1,2-Dichloroethane-D4	125%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	17		
Lab Sample ID:	D23238-51	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8015B	Percent Solids:	92.7
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10679.D	1	05/11/11	BR	n/a	n/a	GGB620
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	10.5	12	5.8	mg/kg	J
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	94%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I7		
Lab Sample ID:	D23238-51	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846-8015B SW846 3546	Percent Solids:	92.7
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06778.D	1	05/12/11	JB	05/12/11	OP3648	GFD296
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	427	14	9.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I8		
Lab Sample ID:	D23238-52	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8260B	Percent Solids:	92.4
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15265.D	1	05/09/11	DC	n/a	n/a	V5V894
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.05 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	58	25	ug/kg	
108-88-3	Toluene	ND	120	58	ug/kg	
100-41-4	Ethylbenzene	ND	120	29	ug/kg	
1330-20-7	Xylene (total)	ND	230	58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	82%		70-130%
460-00-4	4-Bromofluorobenzene	93%		70-130%
17060-07-0	1,2-Dichloroethane-D4	129%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: I8
Lab Sample ID: D23238-52
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 92.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10680.D	1	05/11/11	BR	n/a	n/a	GGB620
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	85%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: I8

Lab Sample ID: D23238-52

Matrix: SO - Soil

Method: SW846-8015B SW846 3546

Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11

Date Received: 05/05/11

Percent Solids: 92.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06779.D	1	05/12/11	JB	05/12/11	OP3648	GFD296
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	399	14	9.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E9	Date Sampled:	05/05/11
Lab Sample ID:	D23238-53	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	92.9
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15264.D	1	05/09/11	DC	n/a	n/a	V5V894
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.02 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	57	25	ug/kg	
108-88-3	Toluene	ND	110	57	ug/kg	
100-41-4	Ethylbenzene	ND	110	29	ug/kg	
1330-20-7	Xylene (total)	ND	230	57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	78%		70-130%
460-00-4	4-Bromofluorobenzene	86%		70-130%
17060-07-0	1,2-Dichloroethane-D4	118%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: E9
Lab Sample ID: D23238-53
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 92.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10681.D	1	05/11/11	BR	n/a	n/a	GGB620
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	96%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E9	Date Sampled:	05/05/11
Lab Sample ID:	D23238-53	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	92.9
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06780.D	1	05/12/11	JB	05/12/11	OP3648	GFD296
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	70.9	14	9.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		61-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	F9		
Lab Sample ID:	D23238-54	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8260B	Percent Solids:	89.3
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15263.D	1	05/09/11	DC	n/a	n/a	V5V894
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.07 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	61	27	ug/kg	
108-88-3	Toluene	ND	120	61	ug/kg	
100-41-4	Ethylbenzene	ND	120	31	ug/kg	
1330-20-7	Xylene (total)	ND	250	61	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	78%		70-130%
460-00-4	4-Bromofluorobenzene	90%		70-130%
17060-07-0	1,2-Dichloroethane-D4	122%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F9		
Lab Sample ID:	D23238-54	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8015B	Percent Solids:	89.3
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10682.D	1	05/11/11	BR	n/a	n/a	GGB620
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	95%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F9	Date Sampled:	05/05/11
Lab Sample ID:	D23238-54	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	89.3
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06781.D	1	05/12/11	JB	05/12/11	OP3648	GFD296
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	90.5	15	9.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		61-142%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G9	Date Sampled:	05/05/11
Lab Sample ID:	D23238-55	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	90.9
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15262.D	1	05/09/11	DC	n/a	n/a	V5V894
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	60	26	ug/kg	
108-88-3	Toluene	ND	120	60	ug/kg	
100-41-4	Ethylbenzene	ND	120	30	ug/kg	
1330-20-7	Xylene (total)	ND	240	60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	79%		70-130%
460-00-4	4-Bromofluorobenzene	89%		70-130%
17060-07-0	1,2-Dichloroethane-D4	116%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	G9	Date Sampled:	05/05/11
Lab Sample ID:	D23238-55	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	90.9
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10683.D	1	05/11/11	BR	n/a	n/a	GGB620
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	91%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G9	
Lab Sample ID:	D23238-55	Date Sampled: 05/05/11
Matrix:	SO - Soil	Date Received: 05/05/11
Method:	SW846-8015B SW846 3546	Percent Solids: 90.9
Project:	Landfarm, Peetz, CO	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06782.D	1	05/12/11	JB	05/12/11	OP3648	GFD296
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	860	15	9.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	93%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H9	Date Sampled:	05/05/11
Lab Sample ID:	D23238-56	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	93.3
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15261.D	1	05/09/11	DC	n/a	n/a	V5V894
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	57	25	ug/kg	
108-88-3	Toluene	69.0	110	57	ug/kg	J
100-41-4	Ethylbenzene	ND	110	29	ug/kg	
1330-20-7	Xylene (total)	ND	230	57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	79%		70-130%
460-00-4	4-Bromofluorobenzene	90%		70-130%
17060-07-0	1,2-Dichloroethane-D4	128%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H9		
Lab Sample ID:	D23238-56	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8015B	Percent Solids:	93.3
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10684.D	1	05/11/11	BR	n/a	n/a	GGB620
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	88%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H9	Date Sampled:	05/05/11
Lab Sample ID:	D23238-56	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	93.3
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06784.D	1	05/13/11	JB	05/12/11	OP3648	GFD296
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	224	14	9.3	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	82%		61-142%		

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I9	Date Sampled:	05/05/11
Lab Sample ID:	D23238-57	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	95.7
Method:	SW846 8260B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15260.D	1	05/09/11	DC	n/a	n/a	V5V894
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.02 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	54	24	ug/kg	
108-88-3	Toluene	ND	110	54	ug/kg	
100-41-4	Ethylbenzene	ND	110	27	ug/kg	
1330-20-7	Xylene (total)	ND	220	54	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	81%		70-130%
460-00-4	4-Bromofluorobenzene	95%		70-130%
17060-07-0	1,2-Dichloroethane-D4	135% ^a		70-130%

(a) Surrogate is high; no hits for reported compounds.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I9		
Lab Sample ID:	D23238-57	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846 8015B	Percent Solids:	95.7
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10685.D	1	05/11/11	BR	n/a	n/a	GGB620
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	87%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I9		
Lab Sample ID:	D23238-57	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846-8015B SW846 3546	Percent Solids:	95.7
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06785.D	1	05/13/11	JB	05/12/11	OP3648	GFD296
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	327	14	9.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: G99
 Lab Sample ID: D23238-58
 Matrix: SO - Soil
 Method: SW846 8260B
 Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
 Date Received: 05/05/11
 Percent Solids: 92.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15259.D	1	05/09/11	DC	n/a	n/a	V5V894
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	59	26	ug/kg	
108-88-3	Toluene	ND	120	59	ug/kg	
100-41-4	Ethylbenzene	ND	120	29	ug/kg	
1330-20-7	Xylene (total)	ND	230	59	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	77%		70-130%
460-00-4	4-Bromofluorobenzene	88%		70-130%
17060-07-0	1,2-Dichloroethane-D4	114%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



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Report of Analysis

Client Sample ID: G99
Lab Sample ID: D23238-58
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 92.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10686.D	1	05/11/11	BR	n/a	n/a	GGB620
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	91%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	G99		
Lab Sample ID:	D23238-58	Date Sampled:	05/05/11
Matrix:	SO - Soil	Date Received:	05/05/11
Method:	SW846-8015B SW846 3546	Percent Solids:	92.0
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06786.D	1	05/13/11	JB	05/12/11	OP3648	GFD296
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	372	14	9.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: I99
Lab Sample ID: D23238-59
Matrix: SO - Soil
Method: SW846 8260B
Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11
Date Received: 05/05/11
Percent Solids: 92.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V15258.D	1	05/09/11	DC	n/a	n/a	V5V894
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	57	25	ug/kg	
108-88-3	Toluene	ND	110	57	ug/kg	
100-41-4	Ethylbenzene	ND	110	29	ug/kg	
1330-20-7	Xylene (total)	ND	230	57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	78%		70-130%
460-00-4	4-Bromofluorobenzene	87%		70-130%
17060-07-0	1,2-Dichloroethane-D4	116%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	199	Date Sampled:	05/05/11
Lab Sample ID:	D23238-59	Date Received:	05/05/11
Matrix:	SO - Soil	Percent Solids:	92.7
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB10687.D	1	05/11/11	BR	n/a	n/a	GGB620
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	88%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: I99

Lab Sample ID: D23238-59

Matrix: SO - Soil

Method: SW846-8015B SW846 3546

Project: Landfarm, Peetz, CO

Date Sampled: 05/05/11

Date Received: 05/05/11

Percent Solids: 92.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD06787.D	1	05/13/11	JB	05/12/11	OP3648	GFD296
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	497	14	9.3	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	91%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D23238 Client: ERM Immediate Client Services Action Required: No
Date / Time Received: 5/5/2011 5:00:00 PM No. Coolers: 3 Client Service Action Required at Login: No
Project: SEKWATER LAND FARM Airbill #'s: HD

<u>Cooler Security</u>		<u>Y or N</u>	<u>Y or N</u>
1. Custody Seals Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. COC Present: <input checked="" type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Smp1 Dates/Time OK <input checked="" type="checkbox"/>

<u>Cooler Temperature</u>	<u>Y or N</u>
1. Temp criteria achieved:	<input checked="" type="checkbox"/>
2. Cooler temp verification:	<u>Infrared gun</u>
3. Cooler media:	<u>Ice (bag)</u>

<u>Quality Control Preservation</u>	<u>Y</u>	<u>or N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>	<input type="checkbox"/>	
2. Trip Blank listed on COC:	<input type="checkbox"/>	<input type="checkbox"/>	
3. Samples preserved properly:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. VOCs headspace free:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<u>Sample Integrity - Documentation</u>	<u>Y</u>	<u>or N</u>
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<u>Sample Integrity - Condition</u>	<u>Y</u>	<u>or N</u>
1. Sample recvd within HT:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Condition of sample:	<u>Intact</u>	

<u>Sample Integrity - Instructions</u>	<u>Y</u>	<u>or N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Sufficient volume rec'd for analysis:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

Accutest Laboratories
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D23238: Chain of Custody
Page 6 of 7

Job Change Order: D23238_5/9/2011

Requested Date:	5/9/2011	Received Date:	5/5/2011
Account Name:	ERM-Rocky Mountain, Inc.	Due Date:	5/19/2011
Project Description:	Schwake Landfarm, Peetz, CO	Deliverable:	COMMBIN
CSR:	AK	TAT (Days):	14
Sample #:	D23238-all	Change:	As per client, please log in for V8280BTX. Please keep original Due Date.

Above Changes	Gabe Touma	Date:	5/9/2011
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To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1

D23238: Chain of Custody
.Page 7 of 7



GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V894-MB1	5V15249.D	1	05/09/11	DC	n/a	n/a	V5V894

The QC reported here applies to the following samples:

Method: SW846 8260B

D23238-50, D23238-51, D23238-52, D23238-53, D23238-54, D23238-55, D23238-56, D23238-57, D23238-58, D23238-59

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	50	22	ug/kg	
100-41-4	Ethylbenzene	ND	100	25	ug/kg	
108-88-3	Toluene	ND	100	50	ug/kg	
1330-20-7	Xylene (total)	ND	200	50	ug/kg	

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	82%	70-130%
460-00-4	4-Bromofluorobenzene	85%	70-130%
17060-07-0	1,2-Dichloroethane-D4	111%	70-130%

Method Blank Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V630-MB1	3V11254.D	1	05/10/11	DC	n/a	n/a	V3V630

The QC reported here applies to the following samples:

Method: SW846 8260B

D23238-36, D23238-37, D23238-38, D23238-39, D23238-40, D23238-41, D23238-42, D23238-43, D23238-44, D23238-45, D23238-46, D23238-47, D23238-48, D23238-49

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	50	22	ug/kg	
100-41-4	Ethylbenzene	ND	100	25	ug/kg	
108-88-3	Toluene	ND	100	50	ug/kg	
1330-20-7	Xylene (total)	ND	200	50	ug/kg	

CAS No.	Surrogate Recoveries	Limits
2037-26-5	Toluene-D8	82% 70-130%
460-00-4	4-Bromofluorobenzene	79% 70-130%
17060-07-0	1,2-Dichloroethane-D4	95% 70-130%

Method Blank Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V895-MB1	5V15273.D	1	05/10/11	DC	n/a	n/a	V5V895

The QC reported here applies to the following samples:

Method: SW846 8260B

D23238-20, D23238-21, D23238-22, D23238-23, D23238-24, D23238-25, D23238-26, D23238-27, D23238-28, D23238-29, D23238-30, D23238-31, D23238-32, D23238-33, D23238-34, D23238-35

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	50	22	ug/kg	
100-41-4	Ethylbenzene	ND	100	25	ug/kg	
108-88-3	Toluene	ND	100	50	ug/kg	
1330-20-7	Xylene (total)	ND	200	50	ug/kg	

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	83%	70-130%
460-00-4	4-Bromofluorobenzene	93%	70-130%
17060-07-0	1,2-Dichloroethane-D4	123%	70-130%

6.1.3

6

Method Blank Summary

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Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V631-MB1	3V11279.D	1	05/10/11	DC	n/a	n/a	V3V631

The QC reported here applies to the following samples:

Method: SW846 8260B

D23238-2, D23238-3, D23238-4, D23238-5, D23238-6, D23238-7, D23238-8, D23238-9, D23238-10, D23238-11, D23238-12, D23238-13, D23238-14, D23238-15, D23238-16, D23238-17, D23238-18

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	50	22	ug/kg	
100-41-4	Ethylbenzene	ND	100	25	ug/kg	
108-88-3	Toluene	ND	100	50	ug/kg	
1330-20-7	Xylene (total)	ND	200	50	ug/kg	

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	83%	70-130%
460-00-4	4-Bromofluorobenzene	81%	70-130%
17060-07-0	1,2-Dichloroethane-D4	96%	70-130%

6.1.4

6

Method Blank Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V634-MB1	3V11317A.D1		05/11/11	DC	n/a	n/a	V3V634

The QC reported here applies to the following samples:

Method: SW846 8260B

D23238-1

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	50	22	ug/kg	
100-41-4	Ethylbenzene	ND	100	25	ug/kg	
108-88-3	Toluene	ND	100	50	ug/kg	
1330-20-7	Xylene (total)	ND	200	50	ug/kg	

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	79%	70-130%
460-00-4	4-Bromofluorobenzene	77%	70-130%
17060-07-0	1,2-Dichloroethane-D4	92%	70-130%

6.1.5
6

Method Blank Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V643-MB1	3V11444.D	1	05/17/11	DC	n/a	n/a	V3V643

The QC reported here applies to the following samples:

Method: SW846 8260B

D23238-19

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	50	22	ug/kg	
100-41-4	Ethylbenzene	ND	100	25	ug/kg	
108-88-3	Toluene	ND	100	50	ug/kg	
1330-20-7	Xylene (total)	ND	200	50	ug/kg	

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	83%	70-130%
460-00-4	4-Bromofluorobenzene	83%	70-130%
17060-07-0	1,2-Dichloroethane-D4	96%	70-130%

6.1.6
6

Blank Spike Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V894-BS1	5V15250.D	1	05/09/11	DC	n/a	n/a	V5V894

The QC reported here applies to the following samples:

Method: SW846 8260B

D23238-50, D23238-51, D23238-52, D23238-53, D23238-54, D23238-55, D23238-56, D23238-57, D23238-58, D23238-59

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	57.0	114	68-130
100-41-4	Ethylbenzene	50	54.7	109	70-130
108-88-3	Toluene	50	52.6	105	70-130
1330-20-7	Xylene (total)	100	103	103	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
2037-26-5	Toluene-D8	86%	70-130%
460-00-4	4-Bromofluorobenzene	100%	70-130%
17060-07-0	1,2-Dichloroethane-D4	119%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V630-BS1	3V11255.D	1	05/10/11	DC	n/a	n/a	V3V630

The QC reported here applies to the following samples:

Method: SW846 8260B

D23238-36, D23238-37, D23238-38, D23238-39, D23238-40, D23238-41, D23238-42, D23238-43, D23238-44, D23238-45, D23238-46, D23238-47, D23238-48, D23238-49

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	45.7	91	68-130
100-41-4	Ethylbenzene	50	45.5	91	70-130
108-88-3	Toluene	50	44.9	90	70-130
1330-20-7	Xylene (total)	100	82.6	83	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
2037-26-5	Toluene-D8	83%	70-130%
460-00-4	4-Bromofluorobenzene	83%	70-130%
17060-07-0	1,2-Dichloroethane-D4	97%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V895-BS1	5V15274.D	1	05/10/11	DC	n/a	n/a	V5V895

The QC reported here applies to the following samples:

Method: SW846 8260B

D23238-20, D23238-21, D23238-22, D23238-23, D23238-24, D23238-25, D23238-26, D23238-27, D23238-28, D23238-29, D23238-30, D23238-31, D23238-32, D23238-33, D23238-34, D23238-35

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	61.1	122	68-130
100-41-4	Ethylbenzene	50	57.6	115	70-130
108-88-3	Toluene	50	54.5	109	70-130
1330-20-7	Xylene (total)	100	109	109	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
2037-26-5	Toluene-D8	80%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%
17060-07-0	1,2-Dichloroethane-D4	118%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V631-BS1	3V11280.D	1	05/10/11	DC	n/a	n/a	V3V631

The QC reported here applies to the following samples:

Method: SW846 8260B

D23238-2, D23238-3, D23238-4, D23238-5, D23238-6, D23238-7, D23238-8, D23238-9, D23238-10, D23238-11, D23238-12, D23238-13, D23238-14, D23238-15, D23238-16, D23238-17, D23238-18

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	55.0	110	68-130
100-41-4	Ethylbenzene	50	55.9	112	70-130
108-88-3	Toluene	50	53.7	107	70-130
1330-20-7	Xylene (total)	100	100	100	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
2037-26-5	Toluene-D8	82%	70-130%
460-00-4	4-Bromofluorobenzene	84%	70-130%
17060-07-0	1,2-Dichloroethane-D4	95%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V634-BS1	3V11318A.D1		05/11/11	DC	n/a	n/a	V3V634

The QC reported here applies to the following samples:

Method: SW846 8260B

D23238-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	45.8	92	68-130
100-41-4	Ethylbenzene	50	46.9	94	70-130
108-88-3	Toluene	50	45.2	90	70-130
1330-20-7	Xylene (total)	100	86.5	87	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
2037-26-5	Toluene-D8	81%	70-130%
460-00-4	4-Bromofluorobenzene	85%	70-130%
17060-07-0	1,2-Dichloroethane-D4	88%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V643-BS1	3V11445.D	1	05/17/11	DC	n/a	n/a	V3V643

The QC reported here applies to the following samples:

Method: SW846 8260B

D23238-19

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	44.2	88	68-130
100-41-4	Ethylbenzene	50	45.5	91	70-130
108-88-3	Toluene	50	44.0	88	70-130
1330-20-7	Xylene (total)	100	83.2	83	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
2037-26-5	Toluene-D8	82%	70-130%
460-00-4	4-Bromofluorobenzene	85%	70-130%
17060-07-0	1,2-Dichloroethane-D4	93%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V643-BS1	3V11447.D	I	05/17/11	DC	n/a	n/a	V3V643

The QC reported here applies to the following samples:

Method: SW846 8260B

D23238-19

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
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CAS No.	Surrogate Recoveries	BSP	Limits
2037-26-5	Toluene-D8	83%	70-130%
460-00-4	4-Bromofluorobenzene	85%	70-130%
17060-07-0	1,2-Dichloroethane-D4	90%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: D23238
Account: ERMCOGV ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D23235-1MS	5V15252.D	1	05/09/11	DC	n/a	n/a	V5V894
D23235-1MSD	5V15253.D	1	05/09/11	DC	n/a	n/a	V5V894
D23235-1	5V15251.D	1	05/09/11	DC	n/a	n/a	V5V894

The QC reported here applies to the following samples:

Method: SW846 8260B

D23238-50, D23238-51, D23238-52, D23238-53, D23238-54, D23238-55, D23238-56, D23238-57, D23238-58, D23238-59

CAS No.	Compound	D23235-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	62.2	J	4020	5370	132	5180	127	4	55-140/30
100-41-4	Ethylbenzene	444		4020	5120	116	5000	113	2	56-139/30
108-88-3	Toluene	98.7	J	4020	4530	110	4430	108	2	57-144/30
1330-20-7	Xylene (total)	1230		8030	9920	108	9840	107	1	51-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D23235-1	Limits
2037-26-5	Toluene-D8	78%	79%	79%	70-130%
460-00-4	4-Bromofluorobenzene	137%* a	135%* a	120%	70-130%
17060-07-0	1,2-Dichloroethane-D4	130%	112%	128%	70-130%

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D23238-49MS	3V11257.D	1	05/10/11	DC	n/a	n/a	V3V630
D23238-49MSD	3V11258.D	1	05/10/11	DC	n/a	n/a	V3V630
D23238-49	3V11256.D	1	05/10/11	DC	n/a	n/a	V3V630

The QC reported here applies to the following samples:

Method: SW846 8260B

D23238-36, D23238-37, D23238-38, D23238-39, D23238-40, D23238-41, D23238-42, D23238-43, D23238-44, D23238-45, D23238-46, D23238-47, D23238-48, D23238-49

CAS No.	Compound	D23238-49 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		2810	2720	97	2630	93	3	55-140/30
100-41-4	Ethylbenzene	ND		2810	2750	98	2760	98	0	56-139/30
108-88-3	Toluene	ND		2810	2660	95	2610	93	2	57-144/30
1330-20-7	Xylene (total)	ND		5630	4980	88	5000	89	0	51-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D23238-49	Limits
2037-26-5	Toluene-D8	81%	83%	81%	70-130%
460-00-4	4-Bromofluorobenzene	84%	86%	78%	70-130%
17060-07-0	1,2-Dichloroethane-D4	90%	87%	89%	70-130%

* = Outside of Control Limits.

6.3.2

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Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D23238-35MS	5V15276.D	1	05/10/11	DC	n/a	n/a	V5V895
D23238-35MSD	5V15277.D	1	05/10/11	DC	n/a	n/a	V5V895
D23238-35	5V15275.D	1	05/10/11	DC	n/a	n/a	V5V895

The QC reported here applies to the following samples:

Method: SW846 8260B

D23238-20, D23238-21, D23238-22, D23238-23, D23238-24, D23238-25, D23238-26, D23238-27, D23238-28, D23238-29, D23238-30, D23238-31, D23238-32, D23238-33, D23238-34, D23238-35

CAS No.	Compound	D23238-35 ug/kg	Spike Q	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	2830	3550	125	3630	128	2	55-140/30
100-41-4	Ethylbenzene	ND	2830	3340	118	3400	120	2	56-139/30
108-88-3	Toluene	ND	2830	3170	112	3230	114	2	57-144/30
1330-20-7	Xylene (total)	ND	5660	6470	114	6520	115	1	51-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D23238-35	Limits
2037-26-5	Toluene-D8	76%	75%	74%	70-130%
460-00-4	4-Bromofluorobenzene	99%	97%	88%	70-130%
17060-07-0	1,2-Dichloroethane-D4	113%	118%	126%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D23238-18MS	3V11282.D	1	05/10/11	DC	n/a	n/a	V3V631
D23238-18MSD	3V11283.D	1	05/10/11	DC	n/a	n/a	V3V631
D23238-18	3V11281.D	1	05/10/11	DC	n/a	n/a	V3V631

The QC reported here applies to the following samples:

Method: SW846 8260B

D23238-2, D23238-3, D23238-4, D23238-5, D23238-6, D23238-7, D23238-8, D23238-9, D23238-10, D23238-11, D23238-12, D23238-13, D23238-14, D23238-15, D23238-16, D23238-17, D23238-18

CAS No.	Compound	D23238-18 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	2980	3160	106	3210	108	2	55-140/30
100-41-4	Ethylbenzene	ND	2980	3250	109	3320	111	2	56-139/30
108-88-3	Toluene	ND	2980	3030	102	3120	105	3	57-144/30
1330-20-7	Xylene (total)	ND	5960	5970	100	6010	101	1	51-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D23238-18	Limits
2037-26-5	Toluene-D8	79%	81%	78%	70-130%
460-00-4	4-Bromofluorobenzene	93%	88%	83%	70-130%
17060-07-0	1,2-Dichloroethane-D4	89%	93%	88%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D23238-1MS	3V11325.D	1	05/11/11	DC	n/a	n/a	V3V634
D23238-1MSD	3V11326.D	1	05/11/11	DC	n/a	n/a	V3V634
D23238-1	3V11324.D	1	05/11/11	DC	n/a	n/a	V3V634

The QC reported here applies to the following samples:

Method: SW846 8260B

D23238-1

CAS No.	Compound	D23238-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		2900	2830	97	2990	103	5	55-140/30
100-41-4	Ethylbenzene	ND		2900	2940	101	3110	107	6	56-139/30
108-88-3	Toluene	ND		2900	2740	94	2900	100	6	57-144/30
1330-20-7	Xylene (total)	ND		5810	5380	93	5700	98	6	51-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D23238-1	Limits
2037-26-5	Toluene-D8	80%	80%	80%	70-130%
460-00-4	4-Bromofluorobenzene	91%	90%	85%	70-130%
17060-07-0	1,2-Dichloroethane-D4	89%	85%	90%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D23238-19MS	3V11453.D	1	05/17/11	DC	n/a	n/a	V3V643
D23238-19MSD	3V11454.D	1	05/17/11	DC	n/a	n/a	V3V643
D23238-19	3V11448.D	1	05/17/11	DC	n/a	n/a	V3V643

The QC reported here applies to the following samples:

Method: SW846 8260B

D23238-19

CAS No.	Compound	D23238-19 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	3050	3040	100	3050	100	0	55-140/30
100-41-4	Ethylbenzene	ND	3050	3110	102	3120	102	0	56-139/30
108-88-3	Toluene	ND	3050	2970	97	2970	97	0	57-144/30
1330-20-7	Xylene (total)	ND	6110	5790	95	5820	95	1	51-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D23238-19	Limits
2037-26-5	Toluene-D8	82%	82%	80%	70-130%
460-00-4	4-Bromofluorobenzene	89%	89%	88%	70-130%
17060-07-0	1,2-Dichloroethane-D4	91%	89%	93%	70-130%

* = Outside of Control Limits.



GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

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Method Blank Summary

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Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB618-MB	GB10612.D	1	05/06/11	BR	n/a	n/a	GGB618

The QC reported here applies to the following samples:

Method: SW846 8015B

D23238-1, D23238-2, D23238-3, D23238-4, D23238-5, D23238-6, D23238-7, D23238-8, D23238-9, D23238-10, D23238-11, D23238-12, D23238-13, D23238-14, D23238-15, D23238-16, D23238-17, D23238-18, D23238-19, D23238-20

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
120-82-1	1,2,4-Trichlorobenzene	102% 60-140%

7.1.1
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Method Blank Summary

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Job Number: D23238
Account: ERMCOGV ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB619-MB	GB10637.D	1	05/07/11	BR	n/a	n/a	GGB619

The QC reported here applies to the following samples:

Method: SW846 8015B

D23238-21, D23238-22, D23238-23, D23238-24, D23238-25, D23238-26, D23238-27, D23238-28, D23238-29, D23238-30, D23238-31, D23238-32, D23238-33, D23238-34, D23238-35, D23238-36, D23238-37, D23238-38, D23238-39, D23238-40

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
120-82-1	1,2,4-Trichlorobenzene	96% 60-140%

7.1.2
7

Method Blank Summary

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Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB620-MB	GB10664.D	1	05/10/11	BR	n/a	n/a	GGB620

The QC reported here applies to the following samples:

Method: SW846 8015B

D23238-41, D23238-42, D23238-43, D23238-44, D23238-45, D23238-46, D23238-47, D23238-48, D23238-49, D23238-50, D23238-51, D23238-52, D23238-53, D23238-54, D23238-55, D23238-56, D23238-57, D23238-58, D23238-59

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
120-82-1	1,2,4-Trichlorobenzene	110% 60-140%

7.1.3
7

Blank Spike Summary

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Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB618-BS	GB10611.D	1	05/06/11	BR	n/a	n/a	GGB618

The QC reported here applies to the following samples:

Method: SW846 8015B

D23238-1, D23238-2, D23238-3, D23238-4, D23238-5, D23238-6, D23238-7, D23238-8, D23238-9, D23238-10, D23238-11, D23238-12, D23238-13, D23238-14, D23238-15, D23238-16, D23238-17, D23238-18, D23238-19, D23238-20

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	110	111	101	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	108%	60-140%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB619-BS	GB10638.D	1	05/07/11	BR	n/a	n/a	GGB619

The QC reported here applies to the following samples:

Method: SW846 8015B

D23238-21, D23238-22, D23238-23, D23238-24, D23238-25, D23238-26, D23238-27, D23238-28, D23238-29, D23238-30, D23238-31, D23238-32, D23238-33, D23238-34, D23238-35, D23238-36, D23238-37, D23238-38, D23238-39, D23238-40

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	110	121	110	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	100%	60-140%

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB620-BS	GB10665.D	1	05/10/11	BR	n/a	n/a	GGB620

The QC reported here applies to the following samples:

Method: SW846 8015B

D23238-41, D23238-42, D23238-43, D23238-44, D23238-45, D23238-46, D23238-47, D23238-48, D23238-49, D23238-50, D23238-51, D23238-52, D23238-53, D23238-54, D23238-55, D23238-56, D23238-57, D23238-58, D23238-59

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	110	116	105	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	110%	60-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D23238
Account: ERMCOGV ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D23238-1MS	GB10614.D	1	05/06/11	BR	n/a	n/a	GGB618
D23238-1MSD	GB10615.D	1	05/06/11	BR	n/a	n/a	GGB618
D23238-1	GB10613.D	1	05/06/11	BR	n/a	n/a	GGB618

The QC reported here applies to the following samples:

Method: SW846 8015B

D23238-1, D23238-2, D23238-3, D23238-4, D23238-5, D23238-6, D23238-7, D23238-8, D23238-9, D23238-10, D23238-11, D23238-12, D23238-13, D23238-14, D23238-15, D23238-16, D23238-17, D23238-18, D23238-19, D23238-20

CAS No.	Compound	D23238-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	6.68	J	128	130	97	125	93	4	62-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D23238-1	Limits
120-82-1	1,2,4-Trichlorobenzene	109%	109%	100%	60-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D23238-21MS	GB10640.D	1	05/07/11	BR	n/a	n/a	GGB619
D23238-21MSD	GB10641.D	1	05/07/11	BR	n/a	n/a	GGB619
D23238-21	GB10639.D	1	05/07/11	BR	n/a	n/a	GGB619

The QC reported here applies to the following samples:

Method: SW846 8015B

D23238-21, D23238-22, D23238-23, D23238-24, D23238-25, D23238-26, D23238-27, D23238-28, D23238-29, D23238-30, D23238-31, D23238-32, D23238-33, D23238-34, D23238-35, D23238-36, D23238-37, D23238-38, D23238-39, D23238-40

CAS No.	Compound	D23238-21 mg/kg	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND	124	133	107	121	97	9	62-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D23238-21	Limits
120-82-1	1,2,4-Trichlorobenzene	100%	97%	92%	60-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D23238-41MS	GB10667.D	1	05/10/11	BR	n/a	n/a	GGB620
D23238-41MSD	GB10668.D	1	05/10/11	BR	n/a	n/a	GGB620
D23238-41	GB10666.D	1	05/10/11	BR	n/a	n/a	GGB620

The QC reported here applies to the following samples:

Method: SW846 8015B

D23238-41, D23238-42, D23238-43, D23238-44, D23238-45, D23238-46, D23238-47, D23238-48, D23238-49, D23238-50, D23238-51, D23238-52, D23238-53, D23238-54, D23238-55, D23238-56, D23238-57, D23238-58, D23238-59

CAS No.	Compound	D23238-41 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	7.33	J	137	142	98	133	92	7	62-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D23238-41	Limits
120-82-1	1,2,4-Trichlorobenzene	111%	102%	104%	60-140%

* = Outside of Control Limits.



GC Semi-volatiles

QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

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Job Number: D23238
Account: ERMCOGV ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3622-MB	FD06650.D	1	05/09/11	JB	05/06/11	OP3622	GFD290

The QC reported here applies to the following samples:

Method: SW846-8015B

D23238-1, D23238-2, D23238-3, D23238-4, D23238-5, D23238-6, D23238-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	13	8.7	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	93% 63-130%

8.1.1
8

Method Blank Summary

Page 1 of 1

Job Number: D23238
Account: ERMCOGV ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3623-MB	FI01961.D	1	05/10/11	JB	05/09/11	OP3623	GFI129

The QC reported here applies to the following samples:

Method: SW846-8015B

D23238-8, D23238-9, D23238-10, D23238-11, D23238-12, D23238-13, D23238-14, D23238-15, D23238-16, D23238-17, D23238-18, D23238-19, D23238-20, D23238-21, D23238-22, D23238-23, D23238-24

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	13	8.7	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	95% 63-130%

8.1.2
8

Method Blank Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3626-MB	FI02029.D	1	05/12/11	JB	05/09/11	OP3626	GFI133

The QC reported here applies to the following samples:

Method: SW846-8015B

D23238-25, D23238-26, D23238-27, D23238-28, D23238-29, D23238-30, D23238-31, D23238-32, D23238-33, D23238-34, D23238-35, D23238-36, D23238-37, D23238-38, D23238-39, D23238-40, D23238-41, D23238-42, D23238-43, D23238-44

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	13	8.7	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	96% 61-142%

8.1.3

8

Method Blank Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3633-MB	FI01996.D	1	05/11/11	JB	05/10/11	OP3633	GFI131

The QC reported here applies to the following samples:

Method: SW846-8015B

D23238-45, D23238-46

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	13	8.7	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	89% 61-142%

8.1.4
8

Method Blank Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3648-MB	FD06769.D	1	05/12/11	JB	05/12/11	OP3648	GFD296

The QC reported here applies to the following samples:

Method: SW846-8015B

D23238-47, D23238-48, D23238-49, D23238-50, D23238-51, D23238-52, D23238-53, D23238-54, D23238-55, D23238-56, D23238-57, D23238-58, D23238-59

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	13	8.7	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	105% 61-142%

8.1.5
8

Blank Spike Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3622-BS	FD06651.D	1	05/09/11	JB	05/06/11	OP3622	GFD290

The QC reported here applies to the following samples:

Method: SW846-8015B

D23238-1, D23238-2, D23238-3, D23238-4, D23238-5, D23238-6, D23238-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	667	497	75	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	87%	63-130%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3623-BS	FI01962.D	1	05/10/11	JB	05/09/11	OP3623	GFI129

The QC reported here applies to the following samples:

Method: SW846-8015B

D23238-8, D23238-9, D23238-10, D23238-11, D23238-12, D23238-13, D23238-14, D23238-15, D23238-16, D23238-17, D23238-18, D23238-19, D23238-20, D23238-21, D23238-22, D23238-23, D23238-24

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	667	579	87	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	98%	63-130%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3626-BS	FI02030.D	1	05/12/11	JB	05/09/11	OP3626	GFI133

The QC reported here applies to the following samples:

Method: SW846-8015B

D23238-25, D23238-26, D23238-27, D23238-28, D23238-29, D23238-30, D23238-31, D23238-32, D23238-33, D23238-34, D23238-35, D23238-36, D23238-37, D23238-38, D23238-39, D23238-40, D23238-41, D23238-42, D23238-43, D23238-44

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	667	567	85	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	98%	61-142%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3633-BS	FI01997.D	1	05/11/11	JB	05/10/11	OP3633	GFI131

The QC reported here applies to the following samples:

Method: SW846-8015B

D23238-45, D23238-46

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	667	479	72	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	85%	61-142%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3648-BS	FD06770.D	1	05/12/11	JB	05/12/11	OP3648	GFD296

The QC reported here applies to the following samples:

Method: SW846-8015B

D23238-47, D23238-48, D23238-49, D23238-50, D23238-51, D23238-52, D23238-53, D23238-54, D23238-55, D23238-56, D23238-57, D23238-58, D23238-59

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	667	565	85	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	93%	61-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3622-MS	FD06652.D	1	05/09/11	JB	05/06/11	OP3622	GFD290
OP3622-MSD	FD06653.D	1	05/09/11	JB	05/06/11	OP3622	GFD290
D23190-1	FD06654.D	1	05/09/11	JB	05/06/11	OP3622	GFD290

The QC reported here applies to the following samples:

Method: SW846-8015B

D23238-1, D23238-2, D23238-3, D23238-4, D23238-5, D23238-6, D23238-7

CAS No.	Compound	D23190-1 mg/kg	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	143	734	655	70	614	64* a	6	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D23190-1	Limits
84-15-1	o-Terphenyl	82%	76%	77%	63-130%

(a) Outside control limits due to possible matrix interference.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D23238
Account: ERMCOGV ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3623-MS	FI01963.D	1	05/10/11	JB	05/09/11	OP3623	GFI129
OP3623-MSD	FI01964.D	1	05/10/11	JB	05/09/11	OP3623	GFI129
D23238-11	FI01965.D	1	05/10/11	JB	05/09/11	OP3623	GFI129

The QC reported here applies to the following samples:

Method: SW846-8015B

D23238-8, D23238-9, D23238-10, D23238-11, D23238-12, D23238-13, D23238-14, D23238-15, D23238-16, D23238-17, D23238-18, D23238-19, D23238-20, D23238-21, D23238-22, D23238-23, D23238-24

CAS No.	Compound	D23238-11 mg/kg	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	273	728	927	90	806	73	14	24-157/35

CAS No.	Surrogate Recoveries	MS	MSD	D23238-11	Limits
84-15-1	o-Terphenyl	90%	98%	95%	61-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D23238
Account: ERMCOGV ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3626-MS	FI02031.D	1	05/12/11	JB	05/09/11	OP3626	GFI133
OP3626-MSD	FI02032.D	1	05/13/11	JB	05/09/11	OP3626	GFI133
D23238-40	FI02033.D	1	05/13/11	JB	05/09/11	OP3626	GFI133

The QC reported here applies to the following samples:

Method: SW846-8015B

D23238-25, D23238-26, D23238-27, D23238-28, D23238-29, D23238-30, D23238-31, D23238-32, D23238-33, D23238-34, D23238-35, D23238-36, D23238-37, D23238-38, D23238-39, D23238-40, D23238-41, D23238-42, D23238-43, D23238-44

CAS No.	Compound	D23238-40 mg/kg	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	410	722	1110	97	1160	104	4	24-157/35

CAS No.	Surrogate Recoveries	MS	MSD	D23238-40	Limits
84-15-1	o-Terphenyl	88%	93%	87%	61-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D23238

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3633-MS	FI01998.D	1	05/11/11	JB	05/10/11	OP3633	GF1131
OP3633-MSD	FI01999.D	1	05/11/11	JB	05/10/11	OP3633	GF1131
D23275-1	FI02000.D	1	05/11/11	JB	05/10/11	OP3633	GF1131

The QC reported here applies to the following samples:

Method: SW846-8015B

D23238-45, D23238-46

CAS No.	Compound	D23275-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	466		702	797	47	1190	104	40* a	24-157/35

8.3.4

8

CAS No.	Surrogate Recoveries	MS	MSD	D23275-1	Limits
84-15-1	o-Terphenyl	99%	86%	96%	61-142%

(a) High RPD due to possible sample nonhomogeneity.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D23238
Account: ERMCOGV ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3648-MS	FD06816.D	5	05/16/11	JB	05/12/11	OP3648	GFD297
OP3648-MSD	FD06817.D	1	05/16/11	JB	05/12/11	OP3648	GFD297
D23388-1	FD06818.D	5	05/16/11	JB	05/12/11	OP3648	GFD297

The QC reported here applies to the following samples:

Method: SW846-8015B

D23238-47, D23238-48, D23238-49, D23238-50, D23238-51, D23238-52, D23238-53, D23238-54, D23238-55, D23238-56, D23238-57, D23238-58, D23238-59

CAS No.	Compound	D23388-1 mg/kg	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	5400	742	6070	90	3350	-277* a	58*	24-157/35

CAS No.	Surrogate Recoveries	MS	MSD	D23388-1	Limits
84-15-1	o-Terphenyl	82%	38%*	82%	61-142%

(a) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.



07/13/12

Technical Report for

ERM-Rocky Mountain, Inc.

Landfarm, Peetz, CO

0104362

Accutest Job Number: D25646

Sampling Date: 07/19/11

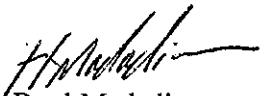
Report to:

chris.thebo@erm.com

Total number of pages in report: 76



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.


Brad Madadian
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO, ID, NE, NM, ND (R-027) (PW), UT (NELAP CO00049), TX (T104704511-12-1)

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Test results relate only to samples analyzed.

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Sample Summary

ERM-Rocky Mountain, Inc.

Job No: D25646

Landfarm, Peetz, CO
Project No: 0104362

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
D25646-1	07/19/11	07:30 GT	07/19/11	SO	Soil	E6
D25646-2	07/19/11	07:40 GT	07/19/11	SO	Soil	E5
D25646-3	07/19/11	07:50 GT	07/19/11	SO	Soil	E4
D25646-4	07/19/11	07:55 GT	07/19/11	SO	Soil	F4
D25646-5	07/19/11	08:00 GT	07/19/11	SO	Soil	G4
D25646-6	07/19/11	08:10 GT	07/19/11	SO	Soil	G3
D25646-7	07/19/11	08:15 GT	07/19/11	SO	Soil	G2
D25646-8	07/19/11	08:20 GT	07/19/11	SO	Soil	G1
D25646-9	07/19/11	08:25 GT	07/19/11	SO	Soil	H3
D25646-10	07/19/11	08:30 GT	07/19/11	SO	Soil	H2
D25646-11	07/19/11	08:35 GT	07/19/11	SO	Soil	H1
D25646-12	07/19/11	08:40 GT	07/19/11	SO	Soil	I1
D25646-13	07/19/11	08:45 GT	07/19/11	SO	Soil	I2

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

ERM-Rocky Mountain, Inc.

Job No: D25646

Landfarm, Peetz, CO
Project No: 0104362

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
D25646-14	07/19/11	08:50 GT	07/19/11	SO	Soil	I3
D25646-15	07/19/11	08:55 GT	07/19/11	SO	Soil	G5
D25646-16	07/19/11	09:00 GT	07/19/11	SO	Soil	G6
D25646-17	07/19/11	09:05 GT	07/19/11	SO	Soil	G7
D25646-18	07/19/11	09:10 GT	07/19/11	SO	Soil	G8
D25646-19	07/19/11	09:15 GT	07/19/11	SO	Soil	G9
D25646-20	07/19/11	09:20 GT	07/19/11	SO	Soil	H8
D25646-21	07/19/11	09:30 GT	07/19/11	SO	Soil	J1
D25646-22	07/19/11	09:35 GT	07/19/11	SO	Soil	J2
D25646-23	07/19/11	07:45 GT	07/19/11	SO	Soil	E55
D25646-24	07/19/11	08:05 GT	07/19/11	SO	Soil	G44

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY**Client:** ERM-Rocky Mountain, Inc.**Job No** D25646**Site:** Landfarm, Peetz, CO**Report Dat** 7/28/2011 3:00:22 PM

On 07/19/2011, 24 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 1.8 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D25646 was assigned to the project. The lab sample IDs, client sample IDs, and dates of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GC By Method SW846 8015B

Matrix	SO	Batch ID:	GGB684
--------	----	-----------	--------

- All samples were analyzed within the recommended method holding time.
- Sample(s) D25646-1MS, D25646-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix	SO	Batch ID:	GGB685
--------	----	-----------	--------

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D25646-19MS, D25646-19MSD were used as the QC samples indicated.

Extractables by GC By Method SW846-8015B

Matrix	SO	Batch ID:	OP4105
--------	----	-----------	--------

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D25640-1MS, D25640-1MSD were used as the QC samples indicated.

Matrix	SO	Batch ID:	OP4113
--------	----	-----------	--------

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D25712-1MS, D25712-1MSD were used as the QC samples indicated.

Wet Chemistry By Method SM19 2540B M

Matrix	SO	Batch ID:	GN10632
--------	----	-----------	---------

- The data for SM19 2540B M meets quality control requirements.

Matrix	SO	Batch ID:	GN10652
--------	----	-----------	---------

- The data for SM19 2540B M meets quality control requirements.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Summary of Hits

Page 1 of 3

Job Number: D25646
Account: ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO
Collected: 07/19/11



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D25646-1	E6					
TPH-DRO (C10-C28)		29.3	14	9.1	mg/kg	SW846-8015B
D25646-2	E5					
TPH-DRO (C10-C28)		138	15	9.6	mg/kg	SW846-8015B
D25646-3	E4					
TPH-DRO (C10-C28)		61.1	15	9.7	mg/kg	SW846-8015B
D25646-4	F4					
TPH-DRO (C10-C28)		392	15	9.6	mg/kg	SW846-8015B
D25646-5	G4					
TPH-DRO (C10-C28)		266	15	9.6	mg/kg	SW846-8015B
D25646-6	G3					
TPH-DRO (C10-C28)		16000	350	230	mg/kg	SW846-8015B
D25646-7	G2					
TPH-DRO (C10-C28)		8080	710	460	mg/kg	SW846-8015B
D25646-8	G1					
TPH-DRO (C10-C28)		9420	370	240	mg/kg	SW846-8015B
D25646-9	H3					
TPH-DRO (C10-C28)		149	15	9.5	mg/kg	SW846-8015B
D25646-10	H2					
TPH-DRO (C10-C28)		74.0	15	9.6	mg/kg	SW846-8015B
D25646-11	H1					
TPH-DRO (C10-C28)		155	15	9.5	mg/kg	SW846-8015B

Summary of Hits

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Job Number: D25646
Account: ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO
Collected: 07/19/11



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D25646-12	I1					
TPH-DRO (C10-C28)		260	15	9.6	mg/kg	SW846-8015B
D25646-13	I2					
TPH-DRO (C10-C28)		212	14	9.3	mg/kg	SW846-8015B
D25646-14	I3					
TPH-DRO (C10-C28)		286	14	9.4	mg/kg	SW846-8015B
D25646-15	G5					
TPH-DRO (C10-C28)		1040	29	19	mg/kg	SW846-8015B
D25646-16	G6					
TPH-DRO (C10-C28)		3710	71	46	mg/kg	SW846-8015B
D25646-17	G7					
TPH-DRO (C10-C28)		445	30	19	mg/kg	SW846-8015B
D25646-18	G8					
TPH-DRO (C10-C28)		24600	870	570	mg/kg	SW846-8015B
D25646-19	G9					
TPH-DRO (C10-C28)		460	29	19	mg/kg	SW846-8015B
D25646-20	H8					
TPH-DRO (C10-C28)		29600	2200	1400	mg/kg	SW846-8015B
D25646-21	J1					
TPH-DRO (C10-C28)		3160	140	89	mg/kg	SW846-8015B
D25646-22	J2					
TPH-DRO (C10-C28)		345	71	46	mg/kg	SW846-8015B

Summary of Hits

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Job Number: D25646
Account: ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO
Collected: 07/19/11



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D25646-23	E55					
TPH-DRO (C10-C28)		120	15	9.5	mg/kg	SW846-8015B
D25646-24	G44					
TPH-DRO (C10-C28)		300	36	23	mg/kg	SW846-8015B



Sample Results

Report of Analysis

Report of Analysis

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Client Sample ID: E6
Lab Sample ID: D25646-1
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 07/19/11

Date Received: 07/19/11

Percent Solids: 95.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11891.D	1	07/20/11	SK	n/a	n/a	GGB684
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	81%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: E6

Lab Sample ID: D25646-1

Matrix: SO - Soil

Method: SW846-8015B SW846 3546

Project: Landfarm, Peetz, CO

Date Sampled: 07/19/11

Date Received: 07/19/11

Percent Solids: 95.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08002.D	1	07/21/11	CS	07/20/11	OP4105	GFD354
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	29.3	14	9.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		61-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: E5
Lab Sample ID: D25646-2
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 07/19/11
Date Received: 07/19/11
Percent Solids: 90.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11897.D	1	07/20/11	SK	n/a	n/a	GGB684
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	75%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E5	Date Sampled:	07/19/11
Lab Sample ID:	D25646-2	Date Received:	07/19/11
Matrix:	SO - Soil	Percent Solids:	90.5
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08003.D	1	07/21/11	CS	07/20/11	OP4105	GFD354
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	138	15	9.6	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	84%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	E4		
Lab Sample ID:	D25646-3	Date Sampled:	07/19/11
Matrix:	SO - Soil	Date Received:	07/19/11
Method:	SW846 8015B	Percent Solids:	89.2
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11898.D	1	07/20/11	SK	n/a	n/a	GGB684
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	79%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: E4
Lab Sample ID: D25646-3
Matrix: SO - Soil
Method: SW846-8015B SW846 3546
Project: Landfarm, Peetz, CO

Date Sampled: 07/19/11
Date Received: 07/19/11
Percent Solids: 89.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08004.D	1	07/21/11	CS	07/20/11	OP4105	GFD354
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	61.1	15	9.7	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	82%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F4	Date Sampled:	07/19/11
Lab Sample ID:	D25646-4	Date Received:	07/19/11
Matrix:	SO - Soil	Percent Solids:	90.3
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11899.D	1	07/20/11	SK	n/a	n/a	GGB684
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.2 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	77%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	F4		
Lab Sample ID:	D25646-4	Date Sampled:	07/19/11
Matrix:	SO - Soil	Date Received:	07/19/11
Method:	SW846-8015B SW846 3546	Percent Solids:	90.3
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08005.D	1	07/21/11	CS	07/20/11	OP4105	GFD354
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	392	15	9.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G4
Lab Sample ID: D25646-5
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 07/19/11
Date Received: 07/19/11
Percent Solids: 90.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11900.D	1	07/20/11	SK	n/a	n/a	GGB684
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	73%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G4
Lab Sample ID: D25646-5
Matrix: SO - Soil
Method: SW846-8015B SW846 3546
Project: Landfarm, Peetz, CO

Date Sampled: 07/19/11
Date Received: 07/19/11
Percent Solids: 90.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08006.D	1	07/21/11	CS	07/20/11	OP4105	GFD354
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	266	15	9.6	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	84%		61-142%		

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G3	Date Sampled:	07/19/11
Lab Sample ID:	D25646-6	Date Received:	07/19/11
Matrix:	SO - Soil	Percent Solids:	95.9
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11901.D	1	07/20/11	SK	n/a	n/a	GGB684
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.2 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.3	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	70%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G3	Date Sampled:	07/19/11
Lab Sample ID:	D25646-6	Date Received:	07/19/11
Matrix:	SO - Soil	Percent Solids:	95.9
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI03337.D	10	07/27/11	CS	07/20/11	OP4105	GFI219
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	16000	350	230	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	68%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G2
Lab Sample ID: D25646-7
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 07/19/11
Date Received: 07/19/11
Percent Solids: 93.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11902.D	1	07/20/11	SK	n/a	n/a	GGB684
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	73%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G2						
Lab Sample ID:	D25646-7					Date Sampled:	07/19/11
Matrix:	SO - Soil					Date Received:	07/19/11
Method:	SW846-8015B	SW846	3546			Percent Solids:	93.3
Project:	Landfarm, Peetz, CO						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08008.D	20	07/21/11	CS	07/20/11	OP4105	GFD354
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	8080	710	460	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	75%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G1
Lab Sample ID: D25646-8
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 07/19/11
Date Received: 07/19/11
Percent Solids: 90.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11903.D	1	07/20/11	SK	n/a	n/a	GGB684
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	73%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G1
Lab Sample ID: D25646-8
Matrix: SO - Soil
Method: SW846-8015B SW846 3546
Project: Landfarm, Peetz, CO

Date Sampled: 07/19/11**Date Received:** 07/19/11**Percent Solids:** 90.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08010.D	10	07/21/11	CS	07/20/11	OP4105	GFD354
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	9420	370	240	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	111%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H3	Date Sampled:	07/19/11
Lab Sample ID:	D25646-9	Date Received:	07/19/11
Matrix:	SO - Soil	Percent Solids:	90.8
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11904.D	1	07/20/11	SK	n/a	n/a	GGB684
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	73%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H3	Date Sampled:	07/19/11
Lab Sample ID:	D25646-9	Date Received:	07/19/11
Matrix:	SO - Soil	Percent Solids:	90.8
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08011.D	1	07/21/11	CS	07/20/11	OP4105	GFD354
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	149	15	9.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	80%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	H2	Date Sampled:	07/19/11
Lab Sample ID:	D25646-10	Date Received:	07/19/11
Matrix:	SO - Soil	Percent Solids:	89.8
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11906.D	1	07/20/11	SK	n/a	n/a	GGB684
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	78%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	H2						
Lab Sample ID:	D25646-10					Date Sampled:	07/19/11
Matrix:	SO - Soil					Date Received:	07/19/11
Method:	SW846-8015B SW846 3546					Percent Solids:	89.8
Project:	Landfarm, Peetz, CO						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08012.D	1	07/21/11	CS	07/20/11	OP4105	GFD354
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	74.0	15	9.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: H1
Lab Sample ID: D25646-11
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 07/19/11
Date Received: 07/19/11
Percent Solids: 91.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11907.D	1	07/20/11	SK	n/a	n/a	GGB684
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	76%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Client Sample ID:	H1	Date Sampled:	07/19/11
Lab Sample ID:	D25646-11	Date Received:	07/19/11
Matrix:	SO - Soil	Percent Solids:	91.2
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08013.D	1	07/21/11	CS	07/20/11	OP4105	GFD354
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	155	15	9.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	I1		
Lab Sample ID:	D25646-12	Date Sampled:	07/19/11
Matrix:	SO - Soil	Date Received:	07/19/11
Method:	SW846 8015B	Percent Solids:	90.0
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11908.D	1	07/20/11	SK	n/a	n/a	GGB684
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	77%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	I1		
Lab Sample ID:	D25646-12	Date Sampled:	07/19/11
Matrix:	SO - Soil	Date Received:	07/19/11
Method:	SW846-8015B SW846 3546	Percent Solids:	90.0
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08014.D	1	07/21/11	CS	07/20/11	OP4105	GFD354
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	260	15	9.6	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	77%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID: I2
Lab Sample ID: D25646-13
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 07/19/11
Date Received: 07/19/11
Percent Solids: 93.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11909.D	1	07/20/11	SK	n/a	n/a	GGB684
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.7	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	77%		60-140%		

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I2		
Lab Sample ID:	D25646-13	Date Sampled:	07/19/11
Matrix:	SO - Soil	Date Received:	07/19/11
Method:	SW846-8015B SW846 3546	Percent Solids:	93.1
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08025.D	1	07/21/11	CS	07/21/11	OP4113	GFD355
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	212	14	9.3	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	80%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	I3		
Lab Sample ID:	D25646-14	Date Sampled:	07/19/11
Matrix:	SO - Soil	Date Received:	07/19/11
Method:	SW846 8015B	Percent Solids:	92.1
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11910.D	1	07/20/11	SK	n/a	n/a	GGB684
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.2 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	75%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	I3		
Lab Sample ID:	D25646-14	Date Sampled:	07/19/11
Matrix:	SO - Soil	Date Received:	07/19/11
Method:	SW846-8015B SW846 3546	Percent Solids:	92.1
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08026.D	1	07/22/11	CS	07/21/11	OP4113	GFD355
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	286	14	9.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G5	Date Sampled:	07/19/11
Lab Sample ID:	D25646-15	Date Received:	07/19/11
Matrix:	SO - Soil	Percent Solids:	92.2
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11911.D	1	07/20/11	SK	n/a	n/a	GGB684
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.2 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	72%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G5	Date Sampled:	07/19/11
Lab Sample ID:	D25646-15	Date Received:	07/19/11
Matrix:	SO - Soil	Percent Solids:	92.2
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08027.D	2	07/22/11	CS	07/21/11	OP4113	GFD355
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	1040	29	19	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	77%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G6
Lab Sample ID: D25646-16
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 07/19/11
Date Received: 07/19/11
Percent Solids: 94.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11912.D	1	07/20/11	SK	n/a	n/a	GGB684
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.6	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	72%		60-140%		

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G6	Date Sampled:	07/19/11
Lab Sample ID:	D25646-16	Date Received:	07/19/11
Matrix:	SO - Soil	Percent Solids:	94.1
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI03335.D	5	07/27/11	CS	07/21/11	OP4113	GFI219
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	3710	71	46	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	65%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID: G7
Lab Sample ID: D25646-17
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 07/19/11
Date Received: 07/19/11
Percent Solids: 88.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11913.D	1	07/20/11	SK	n/a	n/a	GGB684
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.2	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	72%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G7

Lab Sample ID: D25646-17

Matrix: SO - Soil

Method: SW846-8015B SW846 3546

Project: Landfarm, Peetz, CO

Date Sampled: 07/19/11

Date Received: 07/19/11

Percent Solids: 88.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08030.D	2	07/22/11	CS	07/21/11	OP4113	GFD355
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	445	30	19	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	77%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	G8	Date Sampled:	07/19/11
Lab Sample ID:	D25646-18	Date Received:	07/19/11
Matrix:	SO - Soil	Percent Solids:	91.8
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11914.D	1	07/20/11	SK	n/a	n/a	GGB684
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.8	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	82%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G8
Lab Sample ID: D25646-18
Matrix: SO - Soil
Method: SW846-8015B SW846 3546
Project: Landfarm, Peetz, CO

Date Sampled: 07/19/11**Date Received:** 07/19/11**Percent Solids:** 91.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08031.D	10	07/22/11	CS	07/21/11	OP4113	GFD355
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	6.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	24600	870	570	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	65%		61-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G9	Date Sampled:	07/19/11
Lab Sample ID:	D25646-19	Date Received:	07/19/11
Matrix:	SO - Soil	Percent Solids:	90.4
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11918.D	1	07/20/11	SK	n/a	n/a	GGB685
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.0	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	70%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G9	Date Sampled:	07/19/11
Lab Sample ID:	D25646-19	Date Received:	07/19/11
Matrix:	SO - Soil	Percent Solids:	90.4
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08032.D	2	07/22/11	CS	07/21/11	OP4113	GFD355
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	460	29	19	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	73%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID: H8
Lab Sample ID: D25646-20
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 07/19/11
Date Received: 07/19/11
Percent Solids: 91.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11921.D	1	07/21/11	SK	n/a	n/a	GGB685
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.2 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.8	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	72%		60-140%		

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Client Sample ID:	H8	Date Sampled:	07/19/11
Lab Sample ID:	D25646-20	Date Received:	07/19/11
Matrix:	SO - Soil	Percent Solids:	91.3
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08033.D	20	07/22/11	CS	07/21/11	OP4113	GFD355
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	8.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	29600	2200	1400	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	116%		61-142%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID: J1
Lab Sample ID: D25646-21
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 07/19/11
Date Received: 07/19/11
Percent Solids: 96.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11922.D	1	07/21/11	SK	n/a	n/a	GGB685
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.3	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	72%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	J1	Date Sampled:	07/19/11
Lab Sample ID:	D25646-21	Date Received:	07/19/11
Matrix:	SO - Soil	Percent Solids:	96.8
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08034.D	10	07/22/11	CS	07/21/11	OP4113	GFD355
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	3160	140	89	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	62%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	J2	Date Sampled:	07/19/11
Lab Sample ID:	D25646-22	Date Received:	07/19/11
Matrix:	SO - Soil	Percent Solids:	94.3
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11923.D	1	07/21/11	SK	n/a	n/a	GGB685
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	73%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	J2		
Lab Sample ID:	D25646-22	Date Sampled:	07/19/11
Matrix:	SO - Soil	Date Received:	07/19/11
Method:	SW846-8015B SW846 3546	Percent Solids:	94.3
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08035.D	5	07/22/11	CS	07/21/11	OP4113	GFD355
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	345	71	46	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: E55
Lab Sample ID: D25646-23
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 07/19/11
Date Received: 07/19/11
Percent Solids: 91.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11924.D	1	07/21/11	SK	n/a	n/a	GGB685
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	80%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: E55
Lab Sample ID: D25646-23
Matrix: SO - Soil
Method: SW846-8015B SW846 3546
Project: Landfarm, Peetz, CO

Date Sampled: 07/19/11
Date Received: 07/19/11
Percent Solids: 91.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08036.D	1	07/22/11	CS	07/21/11	OP4113	GFD355
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	120	15	9.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	77%		61-142%		

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	G44	Date Sampled:	07/19/11
Lab Sample ID:	D25646-24	Date Received:	07/19/11
Matrix:	SO - Soil	Percent Solids:	73.9
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB11925.D	1	07/21/11	SK	n/a	n/a	GGB685
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	17	8.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	70%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: G44

Lab Sample ID: D25646-24

Matrix: SO - Soil

Method: SW846-8015B SW846 3546

Project: Landfarm, Peetz, CO

Date Sampled: 07/19/11

Date Received: 07/19/11

Percent Solids: 73.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08037.D	2	07/22/11	CS	07/21/11	OP4113	GFD355
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	300	36	23	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	71%		61-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



Misc. Forms

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Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Client Reporting Information Company Name: ERM Street Address: 64555 Yosemite St City: Greenwood Village CO 80111 Project Contact: Gabe Touma Phone #: 720 4682420 Email: Gabe.Touma@ERM.com		Project Information Project Name: Pectz, Land Farm - SAMPLING Street: Gr-74 City: Pectz Project: 0104362 Client PO#: Dennis Schilly Project Manager: Dennis Schilly		Requested Analysis (See Test Code List) Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Water, SW - Surface Water, SO - Soil, SL - Sludge, SED - Sediment, OI - Oil, LIQ - Other Liquid, AIR - Air, SOL - Other Solid, WP - Wipe, FB - Field Blank, ED - Equipment Blank, RB - Rinse Blank, TB - Trip Blank			
Field ID / Point of Collection E6 E5 E4 F4 G4 G3 G2 G1 H3 H2 H1 I1		Collection Date: 7-19-11 Time: 730 Collected by: GT Matrix: S # of bottles: 1		Number of preserved bottles G: X , GRO: X , DRO: X , N: X , NH: X , NH2: X , NH3: X , NH4: X , NH5: X , NH6: X , NH7: X , NH8: X , NH9: X , NH10: X , NH11: X , NH12: X , NH13: X , NH14: X , NH15: X , NH16: X , NH17: X , NH18: X , NH19: X , NH20: X , NH21: X , NH22: X , NH23: X , NH24: X , NH25: X , NH26: X , NH27: X , NH28: X , NH29: X , NH30: X , NH31: X , NH32: X , NH33: X , NH34: X , NH35: X , NH36: X , NH37: X , NH38: X , NH39: X , NH40: X , NH41: X , NH42: X , NH43: X , NH44: X , NH45: X , NH46: X , NH47: X , NH48: X , NH49: X , NH50: X , NH51: X , NH52: X , NH53: X , NH54: X , NH55: X , NH56: X , NH57: X , NH58: X , NH59: X , NH60: X , NH61: X , NH62: X , NH63: X , NH64: X , NH65: X , NH66: X , NH67: X , NH68: X , NH69: X , NH70: X , NH71: X , NH72: X , NH73: X , NH74: X , NH75: X , NH76: X , NH77: X , NH78: X , NH79: X , NH80: X , NH81: X , NH82: X , NH83: X , NH84: X , NH85: X , NH86: X , NH87: X , NH88: X , NH89: X , NH90: X , NH91: X , NH92: X , NH93: X , NH94: X , NH95: X , NH96: X , NH97: X , NH98: X , NH99: X , NH100: X		LAB USE ONLY 01 02 03 04 05 06 07 08 09 10 11 12	
Turnaround Time (Business Days) <input checked="" type="checkbox"/> Std. 10 Business Days <input type="checkbox"/> Std. 5 Business Days (By Contract only) <input type="checkbox"/> 5 Day FR. SH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY		Approved By (Accutest PM): / Date: _____		Comments / Special Instructions _____ _____ _____			
Emergency & Rush TIA data available VIA LabLink		Commercial "A" = Results Only Commercial "B" = Results + OC Summary		State Forms <input type="checkbox"/> EDD Format <input type="checkbox"/> PDF			
Sample Custody must be documented below each time samples change possession, including courier delivery.							
Relinquished By: 1. [Signature] Date/Time: 7/19/11 1300		Received By: 1. [Signature] Date/Time: 7/19/11 1300		Relinquished By: 2. [Signature] Date/Time: 7/19/11 1300			
Relinquished By: 3. [Signature] Date/Time: 7/19/11 1300		Received By: 3. [Signature] Date/Time: 7/19/11 1300		Relinquished By: 4. [Signature] Date/Time: 7/19/11 1300			
Relinquished By: 5. [Signature] Date/Time: 7/19/11 1300		Received By: 5. [Signature] Date/Time: 7/19/11 1300		Relinquished By: 6. [Signature] Date/Time: 7/19/11 1300			
Emergency & Rush TIA data available VIA LabLink		Commercial "A" = Results Only Commercial "B" = Results + OC Summary		State Forms <input type="checkbox"/> EDD Format <input type="checkbox"/> PDF			

5.1
5

D25646: Chain of Custody
Page 1 of 3

Accutest Laboratories Mountain States
4036 Youngfield Street West Ridge, Co. 80033
TEL 303-425-6021 877-737-4521
FAX 303-425-6021

FED-EX Tracking #	Order Order Control #
Accutest Quote #	Accutest Job # D 25646

Client Reporting Information		Project Information		Requested Analysis (see TEST CODE sheet)												Matrix Codes				
Company Name ERM		Project Name PEETZ, LAND FARM SAMPLING																		
Street Address 6455 S. Yosemite		Street GR-74																		
City Greenwood Village CO		City Peetz CO																		
Project Contact Gabe Touna		Project 0104362																		
Phone # 720 468 2420		Client PO#																		
Sampler(s) Name(s)		Project Manager Dennis Schilly																		
		Attention:																		
		PO#																		
Access Sample #	Field ID / Point of Collection	MEQ/DIV#	Collection		Sampled by	Matrix	# of bottles	Number of preserved bottles												LAB USE ONLY
			Date	Time				HCl	NO3H	NO3S	NO3L	NO3M	NO3W	NO3E	NO3M	NO3W	NO3E	NO3M	NO3W	
	I 2		7-19-11	845	6-T	1												13		
	I 3			850														14		
	G 5			855														15		
	G 6			900														16		
	G 7			905														17		
	G 8			910														18		
	G 9			915														19		
	H 8			920														20		
	J 1			930														21		
	J 2			935														22		
	E 55			745														23		
	G 44			805														24		

<input checked="" type="checkbox"/> Turnaround Time (Business days) <input type="checkbox"/> Std. 10 Business Days <input type="checkbox"/> Std. 5 Business Days (By Contract only) <input type="checkbox"/> 5 Day /R/ SH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY	Approved By (Accutest PM): / Date: _____ _____ _____ _____	<input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> Commercial "B" + Narrative <input type="checkbox"/> FULLY (Level 3-4) Commercial "A" = Results Only Commercial "B" = Results + QC Summary	<input type="checkbox"/> State Forms <input type="checkbox"/> EDD Format <input type="checkbox"/> PDF	Comments / Special Instructions: _____ _____ _____
--	---	---	---	--

Emergency & Rush TIA data available VIA Lablink					
Sample Custody must be documented below each time samples change possession, including courier delivery.					
Relinquished by (Signature):	Date/Time: 7/19/11 1300	Received By: 1	Relinquished By: 2	Date/Time:	Received By: 7-19-11 13:00
Relinquished by (Signature):	Date/Time:	Received By: 3	Relinquished By: 4	Date/Time:	Received By: 4
Relinquished by: 5	Date/Time:	Received By: 5	Custody Seal # AD	Preserved where applicable <input checked="" type="checkbox"/> Initial <input checked="" type="checkbox"/> Not Initial <input type="checkbox"/>	Cooler Temp: 7.8

D25646: Chain of Custody
Page 2 of 3



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D25646 Client: ERM Immediate Client Services Action Required: No
Date / Time Received: 7/19/2011 1:00:00 PM No. Coolers: 1 Client Service Action Required at Login: No
Project: PEETZ Airbill #'s: HD

<u>Cooler Security</u>		<u>Y or N</u>			<u>Y or N</u>
1. Custody Seals Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Smpl Dates/Time OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<u>Cooler Temperature</u>		<u>Y or N</u>
1. Temp criteria achieved:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Cooler temp verification:	<u>Infrared gun</u>	
3. Cooler media:	<u>Ice (bag)</u>	

<u>Quality Control Preservation</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input type="checkbox"/>	
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input type="checkbox"/>	
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

<u>Sample Integrity - Documentation</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>		<input type="checkbox"/>

<u>Sample Integrity - Condition</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample recvd within HT:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Condition of sample:	<u>Intact</u>		

<u>Sample Integrity - Instructions</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume rec'd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

Accutest Laboratories
V: (303) 425-6021

4036 Youngfield Street
F: (303) 425-6854

Wheat Ridge, CO
www.accutest.com

D25646: Chain of Custody
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GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

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Method Blank Summary

Page 1 of 1

Job Number: D25646

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB684-MB	GB11889.D	1	07/20/11	SK	n/a	n/a	GGB684

The QC reported here applies to the following samples:

Method: SW846 8015B

D25646-1, D25646-2, D25646-3, D25646-4, D25646-5, D25646-6, D25646-7, D25646-8, D25646-9, D25646-10, D25646-11, D25646-12, D25646-13, D25646-14, D25646-15, D25646-16, D25646-17, D25646-18

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
120-82-1	1,2,4-Trichlorobenzene	83% 60-140%

6.1.1

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Method Blank Summary

Page 1 of 1

Job Number: D25646

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB685-MB	GB11916.D	1	07/20/11	SK	n/a	n/a	GGB685

The QC reported here applies to the following samples:

Method: SW846 8015B

D25646-19, D25646-20, D25646-21, D25646-22, D25646-23, D25646-24

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
120-82-1	1,2,4-Trichlorobenzene	77% 60-140%

Blank Spike Summary

Page 1 of 1

Job Number: D25646

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB684-BS	GB11890.D	1	07/20/11	SK	n/a	n/a	GGB684

The QC reported here applies to the following samples:

Method: SW846 8015B

D25646-1, D25646-2, D25646-3, D25646-4, D25646-5, D25646-6, D25646-7, D25646-8, D25646-9, D25646-10, D25646-11, D25646-12, D25646-13, D25646-14, D25646-15, D25646-16, D25646-17, D25646-18

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	110	114	104	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	96%	60-140%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: D25646

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB685-BS	GB11917.D	1	07/20/11	SK	n/a	n/a	GGB685

The QC reported here applies to the following samples:

Method: SW846 8015B

D25646-19, D25646-20, D25646-21, D25646-22, D25646-23, D25646-24

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	110	115	105	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	85%	60-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D25646
Account: ERMCOGV ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D25646-1MS	GB11892.D	1	07/20/11	SK	n/a	n/a	GGB684
D25646-1MSD	GB11893.D	1	07/20/11	SK	n/a	n/a	GGB684
D25646-1	GB11891.D	1	07/20/11	SK	n/a	n/a	GGB684

The QC reported here applies to the following samples:

Method: SW846 8015B

D25646-1, D25646-2, D25646-3, D25646-4, D25646-5, D25646-6, D25646-7, D25646-8, D25646-9, D25646-10, D25646-11, D25646-12, D25646-13, D25646-14, D25646-15, D25646-16, D25646-17, D25646-18

CAS No.	Compound	D25646-1 mg/kg	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND	119	119	100	118	99	1	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D25646-1	Limits
120-82-1	1,2,4-Trichlorobenzene	82%	79%	81%	60-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D25646

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D25646-19MS	GB11919.D	1	07/20/11	SK	n/a	n/a	GGB685
D25646-19MSD	GB11920.D	1	07/21/11	SK	n/a	n/a	GGB685
D25646-19	GB11918.D	1	07/20/11	SK	n/a	n/a	GGB685

The QC reported here applies to the following samples:

Method: SW846 8015B

D25646-19, D25646-20, D25646-21, D25646-22, D25646-23, D25646-24

CAS No.	Compound	D25646-19 mg/kg	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND	132	135	103	137	104	1	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D25646-19	Limits
120-82-1	1,2,4-Trichlorobenzene	80%	79%	70%	60-140%

* = Outside of Control Limits.



GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

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Method Blank Summary

Page 1 of 1

Job Number: D25646

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4105-MB	FD07989.D	1	07/21/11	CS	07/20/11	OP4105	GFD354

The QC reported here applies to the following samples:

Method: SW846-8015B

D25646-1, D25646-2, D25646-3, D25646-4, D25646-5, D25646-6, D25646-7, D25646-8, D25646-9, D25646-10, D25646-11, D25646-12

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	13	8.7	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	85% 61-142%

7.1.1

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Method Blank Summary

Page 1 of 1

Job Number: D25646

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4113-MB	FD08018.D	1	07/21/11	CS	07/21/11	OP4113	GFD355

The QC reported here applies to the following samples:

Method: SW846-8015B

D25646-13, D25646-14, D25646-15, D25646-16, D25646-17, D25646-18, D25646-19, D25646-20, D25646-21, D25646-22, D25646-23, D25646-24

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	13	8.7	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	76% 61-142%

Blank Spike Summary

Page 1 of 1

Job Number: D25646
Account: ERMCOGV ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4105-BS	FD07990.D	1	07/21/11	CS	07/20/11	OP4105	GFD354

The QC reported here applies to the following samples:

Method: SW846-8015B

D25646-1, D25646-2, D25646-3, D25646-4, D25646-5, D25646-6, D25646-7, D25646-8, D25646-9, D25646-10, D25646-11, D25646-12

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	667	448	67	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	79%	61-142%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: D25646
Account: ERMCOGV ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4113-BS	FD08019.D	1	07/21/11	CS	07/21/11	OP4113	GFD355

The QC reported here applies to the following samples:

Method: SW846-8015B

D25646-13, D25646-14, D25646-15, D25646-16, D25646-17, D25646-18, D25646-19, D25646-20, D25646-21, D25646-22, D25646-23, D25646-24

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	667	477	72	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	80%	61-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D25646
Account: ERMCOGV ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4105-MS	FD07991.D	1	07/21/11	CS	07/20/11	OP4105	GFD354
OP4105-MSD	FD07992.D	1	07/21/11	CS	07/20/11	OP4105	GFD354
D25640-1	FD07993.D	1	07/21/11	CS	07/20/11	OP4105	GFD354

The QC reported here applies to the following samples:

Method: SW846-8015B

D25646-1, D25646-2, D25646-3, D25646-4, D25646-5, D25646-6, D25646-7, D25646-8, D25646-9, D25646-10, D25646-11, D25646-12

CAS No.	Compound	D25640-1 mg/kg	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	164	904	553	43	606	49	9	24-157/35

CAS No.	Surrogate Recoveries	MS	MSD	D25640-1	Limits
84-15-1	o-Terphenyl	66%	71%	65%	61-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D25646

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4113-MS	FD08020.D	1	07/21/11	CS	07/21/11	OP4113	GFD355
OP4113-MSD	FD08021.D	1	07/21/11	CS	07/21/11	OP4113	GFD355
D25712-1	FD08022.D	1	07/21/11	CS	07/21/11	OP4113	GFD355

The QC reported here applies to the following samples:

Method: SW846-8015B

D25646-13, D25646-14, D25646-15, D25646-16, D25646-17, D25646-18, D25646-19, D25646-20, D25646-21, D25646-22, D25646-23, D25646-24

CAS No.	Compound	D25712-1 mg/kg	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	292	745	855	76	1010	97	17	24-157/35

CAS No.	Surrogate Recoveries	MS	MSD	D25712-1	Limits
84-15-1	o-Terphenyl	67%	70%	67%	61-142%

* = Outside of Control Limits.



07/13/12

Technical Report for

ERM-Rocky Mountain, Inc.

Landfarm, Peetz, CO

Schwake 0104362

Accutest Job Number: D26810

Sampling Date: 08/19/11


Report to:

chris.thebo@erm.com

Total number of pages in report: 35



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.


Brad Madadian
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO, ID, NE, NM, ND (R-027) (PW), UT (NELAP CO00049), TX (T104704511-12-1)

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Test results relate only to samples analyzed.

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Sample Summary

ERM-Rocky Mountain, Inc.

Job No: D26810

Landfarm, Peetz, CO

Project No: Schwake 0104362

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
D26810-1	08/19/11	13:35 GT	08/19/11	SO	Soil	G1
D26810-2	08/19/11	13:40 GT	08/19/11	SO	Soil	G2
D26810-3	08/19/11	13:45 GT	08/19/11	SO	Soil	G3
D26810-4	08/19/11	13:10 GT	08/19/11	SO	Soil	G5
D26810-5	08/19/11	13:15 GT	08/19/11	SO	Soil	G6
D26810-6	08/19/11	13:25 GT	08/19/11	SO	Soil	G8
D26810-7	08/19/11	13:05 GT	08/19/11	SO	Soil	J1
D26810-8	08/19/11	13:20 GT	08/19/11	SO	Soil	H8
D26810-9	08/19/11	13:22 GT	08/19/11	SO	Soil	H88

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY**Client:** ERM-Rocky Mountain, Inc.**Job No** D26810**Site:** Landfarm, Peetz, CO**Report Date** 8/30/2011 4:38:50 PM

On 08/19/2011, 9 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 3.3 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D26810 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GC By Method SW846 8015B

Matrix SO	Batch ID: GGB712
------------------	-------------------------

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D26439-1RMS, D26439-1RMSD were used as the QC samples indicated.

Extractables by GC By Method SW846-8015B

Matrix SO	Batch ID: OP4332
------------------	-------------------------

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D26843-1MS, D26843-1MSD were used as the QC samples indicated.
- The matrix spike duplicate (MSD) recovery(s) of TPH-DRO (C10-C28) are outside control limits. Probable cause due to matrix interference.
- The RPD(s) for the MS and MSD recoveries of TPH-DRO (C10-C28) are outside control limits for sample OP4332-MSD. High RPD due to possible sample nonhomogeneity.

Wet Chemistry By Method SM19 2540B M

Matrix SO	Batch ID: GN11193
------------------	--------------------------

- The data for SM19 2540B M meets quality control requirements.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Summary of Hits

Page 1 of 1

Job Number: D26810
Account: ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO
Collected: 08/19/11



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D26810-1	G1					
TPH-DRO (C10-C28)		531	14	8.9	mg/kg	SW846-8015B
D26810-2	G2					
TPH-DRO (C10-C28)		751	14	8.9	mg/kg	SW846-8015B
D26810-3	G3					
TPH-DRO (C10-C28)		4560	68	44	mg/kg	SW846-8015B
D26810-4	G5					
TPH-DRO (C10-C28)		936	14	8.8	mg/kg	SW846-8015B
D26810-5	G6					
TPH-DRO (C10-C28)		602	14	8.9	mg/kg	SW846-8015B
D26810-6	G8					
TPH-DRO (C10-C28)		202	14	8.8	mg/kg	SW846-8015B
D26810-7	J1					
TPH-DRO (C10-C28)		43300	1100	720	mg/kg	SW846-8015B
D26810-8	H8					
TPH-DRO (C10-C28)		1530	13	8.8	mg/kg	SW846-8015B
D26810-9	H88					
TPH-DRO (C10-C28)		416	13	8.7	mg/kg	SW846-8015B



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4

Sample Results

Report of Analysis



Report of Analysis

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Client Sample ID: G1
Lab Sample ID: D26810-1
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 08/19/11
Date Received: 08/19/11
Percent Solids: 97.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB12521.D	1	08/23/11	SK	n/a	n/a	GGB712
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	74%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	G1						
Lab Sample ID:	D26810-1					Date Sampled:	08/19/11
Matrix:	SO - Soil					Date Received:	08/19/11
Method:	SW846-8015B SW846 3546					Percent Solids:	97.2
Project:	Landfarm, Peetz, CO						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD09454.D	1	08/23/11	KV	08/23/11	OP4332	GFD410
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	531	14	8.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	106%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	G2	Date Sampled:	08/19/11
Lab Sample ID:	D26810-2	Date Received:	08/19/11
Matrix:	SO - Soil	Percent Solids:	97.3
Method:	SW846 8015B		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB12524.D	1	08/23/11	SK	n/a	n/a	GGB712
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	74%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	G2	Date Sampled:	08/19/11
Lab Sample ID:	D26810-2	Date Received:	08/19/11
Matrix:	SO - Soil	Percent Solids:	97.3
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD09455.D	1	08/23/11	KV	08/23/11	OP4332	GFD410
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	751	14	8.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		61-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: G3
Lab Sample ID: D26810-3
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 08/19/11
Date Received: 08/19/11
Percent Solids: 98.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB12525.D	1	08/23/11	SK	n/a	n/a	GGB712
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	74%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G3
Lab Sample ID: D26810-3
Matrix: SO - Soil
Method: SW846-8015B SW846 3546
Project: Landfarm, Peetz, CO

Date Sampled: 08/19/11
Date Received: 08/19/11
Percent Solids: 98.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD09493.D	5	08/24/11	KV	08/23/11	OP4332	GFD413
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	4560	68	44	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		61-142%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G5
Lab Sample ID: D26810-4
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 08/19/11
Date Received: 08/19/11
Percent Solids: 97.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB12526.D	1	08/23/11	SK	n/a	n/a	GGB712
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	73%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	G5						
Lab Sample ID:	D26810-4					Date Sampled:	08/19/11
Matrix:	SO - Soil					Date Received:	08/19/11
Method:	SW846-8015B SW846 3546					Percent Solids:	97.8
Project:	Landfarm, Peetz, CO						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD09457.D	1	08/23/11	KV	08/23/11	OP4332	GFD410
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	936	14	8.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G6
Lab Sample ID: D26810-5
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 08/19/11
Date Received: 08/19/11
Percent Solids: 96.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB12529.D	1	08/23/11	SK	n/a	n/a	GGB712
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	72%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G6
Lab Sample ID: D26810-5
Matrix: SO - Soil
Method: SW846-8015B SW846 3546
Project: Landfarm, Peetz, CO

Date Sampled: 08/19/11
Date Received: 08/19/11
Percent Solids: 96.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD09458.D	1	08/23/11	KV	08/23/11	OP4332	GFD410
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	602	14	8.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		61-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G8
Lab Sample ID: D26810-6
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 08/19/11
Date Received: 08/19/11
Percent Solids: 98.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB12530.D	1	08/23/11	SK	n/a	n/a	GGB712
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	76%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G8
Lab Sample ID: D26810-6
Matrix: SO - Soil
Method: SW846-8015B SW846 3546
Project: Landfarm, Peetz, CO

Date Sampled: 08/19/11
Date Received: 08/19/11
Percent Solids: 98.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD09460.D	1	08/23/11	KV	08/23/11	OP4332	GFD410
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	202	14	8.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: J1
Lab Sample ID: D26810-7
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 08/19/11**Date Received:** 08/19/11**Percent Solids:** 95.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB12531.D	1	08/23/11	SK	n/a	n/a	GGB712
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	67%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	J1		
Lab Sample ID:	D26810-7	Date Sampled:	08/19/11
Matrix:	SO - Soil	Date Received:	08/19/11
Method:	SW846-8015B SW846 3546	Percent Solids:	95.8
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD09494.D	10	08/24/11	KV	08/23/11	OP4332	GFD413
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	8.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	43300	1100	720	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	126%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: H8
Lab Sample ID: D26810-8
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 08/19/11
Date Received: 08/19/11
Percent Solids: 98.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB12532.D	1	08/23/11	SK	n/a	n/a	GGB712
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	74%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: H8
Lab Sample ID: D26810-8
Matrix: SO - Soil
Method: SW846-8015B SW846 3546
Project: Landfarm, Peetz, CO

Date Sampled: 08/19/11
Date Received: 08/19/11
Percent Solids: 98.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD09462.D	1	08/23/11	KV	08/23/11	OP4332	GFD410
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	1530	13	8.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: H88
Lab Sample ID: D26810-9
Matrix: SO - Soil
Method: SW846 8015B
Project: Landfarm, Peetz, CO

Date Sampled: 08/19/11
Date Received: 08/19/11
Percent Solids: 98.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB12533.D	1	08/23/11	SK	n/a	n/a	GGB712
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	74%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	H88	Date Sampled:	08/19/11
Lab Sample ID:	D26810-9	Date Received:	08/19/11
Matrix:	SO - Soil	Percent Solids:	98.8
Method:	SW846-8015B SW846 3546		
Project:	Landfarm, Peetz, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD09463.D	1	08/23/11	KV	08/23/11	OP4332	GFD410
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	416	13	8.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	109%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



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Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



Accutest Laboratories Mountain States
4036 Youngfield Street Wheat Ridge, Co 80033
TEL. 303-425-6021 877-737-4521
FAX 303-425-6021

FED-EX Tracking #	Bottle Order Control #
Accountant Quote #	Account Job # D26810

[illegible]

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D26810: Chain of Custody

Page 1 of 2



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D26810

Client: ERM

Immediate Client Services Action Required: No

Date / Time Received: 8/19/2011 6:00:00 PM

No. Coolers: 1

Client Service Action Required at Login: No

Project: SCHWAKE LANDFARM

Airbill #s: HD

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | Infrared gun | |
| 3. Cooler media: | Ice (bag) | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> | <input type="checkbox"/> | |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> | <input type="checkbox"/> | |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume rec'd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

Accutest Laboratories
V: (903) 425-8021

4036 Youngfield Street
F: (303) 425-6854

Wheat Ridge, CO
www.accutest.com

D26810: Chain of Custody

Page 2 of 2



GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Page 1 of 1

Job Number: D26810

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB712-MB	GB12512.D	1	08/23/11	SK	n/a	n/a	GGB712

The QC reported here applies to the following samples:

Method: SW846 8015B

D26810-1, D26810-2, D26810-3, D26810-4, D26810-5, D26810-6, D26810-7, D26810-8, D26810-9

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
120-82-1	1,2,4-Trichlorobenzene	78% 60-140%

Blank Spike Summary

Page 1 of 1

Job Number: D26810

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB712-BS	GB12513.D	1	08/23/11	SK	n/a	n/a	GGB712

The QC reported here applies to the following samples:

Method: SW846 8015B

D26810-1, D26810-2, D26810-3, D26810-4, D26810-5, D26810-6, D26810-7, D26810-8, D26810-9

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	110	119	108	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	89%	60-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D26810
Account: ERMCOGV ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D26439-1RMS	GB12515.D	1	08/23/11	SK	n/a	n/a	GGB712
D26439-1RMSD	GB12516.D	1	08/23/11	SK	n/a	n/a	GGB712
D26439-1R	GB12514.D	1	08/23/11	SK	n/a	n/a	GGB712

The QC reported here applies to the following samples:

Method: SW846 8015B

D26810-1, D26810-2, D26810-3, D26810-4, D26810-5, D26810-6, D26810-7, D26810-8, D26810-9

CAS No.	Compound	D26439-1R mg/kg	Spike Q mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND	110	111	101	112	102	1	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D26439-1R	Limits
120-82-1	1,2,4-Trichlorobenzene	72%	73%	67%	60-140%

* = Outside of Control Limits.



GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

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Method Blank Summary

Page 1 of 1

Job Number: D26810

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4332-MB	FD09445.D	1	08/23/11	KV	08/23/11	OP4332	GFD410

The QC reported here applies to the following samples:

Method: SW846-8015B

D26810-1, D26810-2, D26810-3, D26810-4, D26810-5, D26810-6, D26810-7, D26810-8, D26810-9

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	13	8.7	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	89% 61-142%

Blank Spike Summary

Page 1 of 1

Job Number: D26810
Account: ERMCOGV ERM-Rocky Mountain, Inc.
Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4332-BS	FD09446.D	1	08/23/11	KV	08/23/11	OP4332	GFD410

The QC reported here applies to the following samples:

Method: SW846-8015B

D26810-1, D26810-2, D26810-3, D26810-4, D26810-5, D26810-6, D26810-7, D26810-8, D26810-9

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	667	548	82	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	99%	61-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D26810

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Landfarm, Peetz, CO

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4332-MS	FD09447.D	1	08/23/11	KV	08/23/11	OP4332	GFD410
OP4332-MSD	FD09448.D	1	08/23/11	KV	08/23/11	OP4332	GFD410
D26843-1	FD09450.D	1	08/23/11	KV	08/23/11	OP4332	GFD410

The QC reported here applies to the following samples:

Method: SW846-8015B

D26810-1, D26810-2, D26810-3, D26810-4, D26810-5, D26810-6, D26810-7, D26810-8, D26810-9

CAS No.	Compound	D26843-1 mg/kg	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	643	735	949	42	571	-10* a	50* b	24-157/35

CAS No.	Surrogate Recoveries	MS	MSD	D26843-1	Limits
84-15-1	o-Terphenyl	84%	85%	87%	61-142%

(a) Outside control limits due to possible matrix interference.

(b) High RPD due to possible sample nonhomogeneity.

* = Outside of Control Limits.



07/13/12

Technical Report for

ERM-Rocky Mountain, Inc.

Schwake Tank Battery

Accutest Job Number: D29606

Sampling Date: 11/17/11


Report to:

chris.thebo@erm.com

Total number of pages in report: 47



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.


Brad Madadian
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO, ID, NE, NM, ND (R-027) (PW), UT (NELAP CO00049), TX (T104704511-12-1)
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Test results relate only to samples analyzed.

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Sample Summary

ERM-Rocky Mountain, Inc.

Job No: D29606

Schwake Tank Battery

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
D29606-1	11/17/11	13:15 GT	11/17/11	SO	Soil	G1
D29606-2	11/17/11	13:20 GT	11/17/11	SO	Soil	G2
D29606-3	11/17/11	13:25 GT	11/17/11	SO	Soil	G3
D29606-4	11/17/11	13:30 GT	11/17/11	SO	Soil	G5
D29606-5	11/17/11	13:35 GT	11/17/11	SO	Soil	G6
D29606-6	11/17/11	13:40 GT	11/17/11	SO	Soil	H8
D29606-7	11/17/11	13:45 GT	11/17/11	SO	Soil	J1
D29606-8	11/17/11	13:50 GT	11/17/11	SO	Soil	K1
D29606-9	11/17/11	13:55 GT	11/17/11	SO	Soil	G11
D29606-10	11/17/11	14:00 GT	11/17/11	SO	Soil	L1

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY**Client:** ERM-Rocky Mountain, Inc.**Job No** D29606**Site:** Schwake Tank Battery**Report Date** 12/8/2011 10:55:52 AM

On 11/17/2011, 10 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 2.1 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D29606 was assigned to the project. The lab sample IDs, client sample IDs, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GC By Method SW846 8015B

Matrix SO	Batch ID: GGB794
------------------	-------------------------

- All samples were analyzed within the recommended method holding time.
- Sample(s) D29577-IMS, D29577-IMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix SO	Batch ID: GGB795
------------------	-------------------------

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D29637-IMS, D29637-IMSD were used as the QC samples indicated.

Matrix SO	Batch ID: GGB796
------------------	-------------------------

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D29717-IMS, D29717-IMSD were used as the QC samples indicated.

Extractables by GC By Method SW846-8015B

Matrix SO	Batch ID: OP4881
------------------	-------------------------

- All samples were extracted and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D29629-IMS, D29629-IMSD were used as the QC samples indicated.

Matrix SO	Batch ID: OP4904
------------------	-------------------------

- All samples were extracted and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D29708-3MS, D29708-3MSD were used as the QC samples indicated.

Wet Chemistry By Method SM19 2540B M

Matrix SO	Batch ID: GNI2618
------------------	--------------------------

- The data for SM19 2540B M meets quality control requirements.

Matrix SO	Batch ID: GNI2621
------------------	--------------------------

- The data for SM19 2540B M meets quality control requirements.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Summary of Hits

Page 1 of 1

Job Number: D29606
Account: ERM-Rocky Mountain, Inc.
Project: Schwake Tank Battery
Collected: 11/17/11



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D29606-1	G1					
TPH-DRO (C10-C28)		302	72	47	mg/kg	SW846-8015B
D29606-2	G2					
TPH-DRO (C10-C28)		720	72	47	mg/kg	SW846-8015B
D29606-3	G3					
TPH-DRO (C10-C28)		1440	15	9.4	mg/kg	SW846-8015B
D29606-4	G5					
TPH-DRO (C10-C28)		876	71	46	mg/kg	SW846-8015B
D29606-5	G6					
TPH-DRO (C10-C28)		1070	72	47	mg/kg	SW846-8015B
D29606-6	H8					
TPH-DRO (C10-C28)		120	14	9.1	mg/kg	SW846-8015B
D29606-7	J1					
TPH-DRO (C10-C28)		197	14	9.4	mg/kg	SW846-8015B
D29606-8	K1					
TPH-DRO (C10-C28)		406	70	46	mg/kg	SW846-8015B
D29606-9	G11					
TPH-DRO (C10-C28)		470	15	9.4	mg/kg	SW846-8015B
D29606-10	L1					
TPH-DRO (C10-C28)		3570	72	47	mg/kg	SW846-8015B



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4

Sample Results

Report of Analysis



Report of Analysis

Page 1 of 1

Client Sample ID: G1
Lab Sample ID: D29606-1
Matrix: SO - Soil
Method: SW846 8015B
Project: Schwake Tank Battery

Date Sampled: 11/17/11
Date Received: 11/17/11
Percent Solids: 92.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB13999.D	1	11/22/11	SK	n/a	n/a	GGB794
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.5 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	13	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	82%		60-140%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	G1		
Lab Sample ID:	D29606-1	Date Sampled:	11/17/11
Matrix:	SO - Soil	Date Received:	11/17/11
Method:	SW846-8015B SW846 3546	Percent Solids:	92.9
Project:	Schwake Tank Battery		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD11821:D	5	11/30/11	TR	11/23/11	OP4904	GFD603
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	302	72	47	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		61-142%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: G2
Lab Sample ID: D29606-2
Matrix: SO - Soil
Method: SW846 8015B
Project: Schwake Tank Battery

Date Sampled: 11/17/11
Date Received: 11/17/11
Percent Solids: 92.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB14000.D	1	11/22/11	SK	n/a	n/a	GGB794
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.7 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	85%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: G2

Lab Sample ID: D29606-2

Matrix: SO - Soil

Method: SW846-8015B SW846 3546

Project: Schwake Tank Battery

Date Sampled: 11/17/11

Date Received: 11/17/11

Percent Solids: 92.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD11822.D	5	11/30/11	TR	11/23/11	OP4904	GFD603
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	720	72	47	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		61-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: G3
Lab Sample ID: D29606-3
Matrix: SO - Soil
Method: SW846 8015B
Project: Schwake Tank Battery

Date Sampled: 11/17/11
Date Received: 11/17/11
Percent Solids: 91.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB14001.D	1	11/22/11	SK	n/a	n/a	GGB794
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	85%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: G3
Lab Sample ID: D29606-3
Matrix: SO - Soil
Method: SW846-8015B SW846 3546
Project: Schwake Tank Battery

Date Sampled: 11/17/11**Date Received:** 11/17/11**Percent Solids:** 91.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD11593.D	1	11/21/11	TR	11/19/11	OP4881	GFD588
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	1440	15	9.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	71%		61-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: G5
Lab Sample ID: D29606-4
Matrix: SO - Soil
Method: SW846 8015B
Project: Schwake Tank Battery

Date Sampled: 11/17/11
Date Received: 11/17/11
Percent Solids: 94.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB14002.D	1	11/22/11	SK	n/a	n/a	GGB794
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.3 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	84%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: G5
Lab Sample ID: D29606-4
Matrix: SO - Soil
Method: SW846-8015B SW846 3546
Project: Schwake Tank Battery

Date Sampled: 11/17/11
Date Received: 11/17/11
Percent Solids: 94.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD11823.D	5	11/30/11	TR	11/23/11	OP4904	GFD603
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	876	71	46	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		61-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: G6
Lab Sample ID: D29606-5
Matrix: SO - Soil
Method: SW846 8015B
Project: Schwake Tank Battery

Date Sampled: 11/17/11
Date Received: 11/17/11
Percent Solids: 92.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB14003.D	1	11/22/11	SK	n/a	n/a	GGB794
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.8 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	87%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: G6

Lab Sample ID: D29606-5

Matrix: SO - Soil

Method: SW846-8015B SW846 3546

Project: Schwake Tank Battery

Date Sampled: 11/17/11

Date Received: 11/17/11

Percent Solids: 92.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD11824.D	5	11/30/11	TR	11/23/11	OP4904	GFD603
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	1070	72	47	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: H8
Lab Sample ID: D29606-6
Matrix: SO - Soil
Method: SW846 8015B
Project: Schwake Tank Battery

Date Sampled: 11/17/11
Date Received: 11/17/11
Percent Solids: 94.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB14018.D	1	11/22/11	SK	n/a	n/a	GGB795
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.4 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	91%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	H8	Date Sampled:	11/17/11
Lab Sample ID:	D29606-6	Date Received:	11/17/11
Matrix:	SO - Soil	Percent Solids:	94.8
Method:	SW846-8015B SW846 3546		
Project:	Schwake Tank Battery		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD11597.D	1	11/21/11	TR	11/19/11	OP4881	GFD588
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	120	14	9.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	114%		61-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: J1
Lab Sample ID: D29606-7
Matrix: SO - Soil
Method: SW846 8015B
Project: Schwake Tank Battery

Date Sampled: 11/17/11
Date Received: 11/17/11
Percent Solids: 92.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB14019.D	1	11/22/11	SK	n/a	n/a	GGB795
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.8 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	89%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	J1	Date Sampled:	11/17/11
Lab Sample ID:	D29606-7	Date Received:	11/17/11
Matrix:	SO - Soil	Percent Solids:	92.2
Method:	SW846-8015B SW846 3546		
Project:	Schwake Tank Battery		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD11598.D	1	11/21/11	TR	11/19/11	OP4881	GFD588
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	197	14	9.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: K1
Lab Sample ID: D29606-8
Matrix: SO - Soil
Method: SW846 8015B
Project: Schwake Tank Battery

Date Sampled: 11/17/11
Date Received: 11/17/11
Percent Solids: 94.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB14062.D	1	11/24/11	SK	n/a	n/a	GGB796
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.2 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	89%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: K1

Lab Sample ID: D29606-8

Matrix: SO - Soil

Method: SW846-8015B SW846 3546

Project: Schwake Tank Battery

Date Sampled: 11/17/11

Date Received: 11/17/11

Percent Solids: 94.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD11825.D	5	11/30/11	TR	11/23/11	OP4904	GFD603
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	406	70	46	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		61-142%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: G11
Lab Sample ID: D29606-9
Matrix: SO - Soil
Method: SW846 8015B
Project: Schwake Tank Battery

Date Sampled: 11/17/11
Date Received: 11/17/11
Percent Solids: 91.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB14063.D	1	11/24/11	SK	n/a	n/a	GGB796
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	86%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: G11
Lab Sample ID: D29606-9
Matrix: SO - Soil
Method: SW846-8015B SW846 3546
Project: Schwake Tank Battery

Date Sampled: 11/17/11**Date Received:** 11/17/11**Percent Solids:** 91.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD11600.D	1	11/21/11	TR	11/19/11	OP4881	GFD588
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	470	15	9.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	102%		61-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: L1
Lab Sample ID: D29606-10
Matrix: SO - Soil
Method: SW846 8015B
Project: Schwake Tank Battery

Date Sampled: 11/17/11

Date Received: 11/17/11

Percent Solids: 93.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB14064.D	1	11/24/11	SK	n/a	n/a	GGB796
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.9 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	12	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	85%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	L1		
Lab Sample ID:	D29606-10	Date Sampled:	11/17/11
Matrix:	SO - Soil	Date Received:	11/17/11
Method:	SW846-8015B SW846 3546	Percent Solids:	93.1
Project:	Schwake Tank Battery		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD11826.D	5	11/30/11	TR	11/23/11	OP4904	GFD603
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	3570	72	47	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	53%		43-136%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY

4036 Youngfield Street
Wheat Ridge, CO 80033-3882
303-425-6021; 877-737-4521
FAX: 303-425-6854
www.accutest.com

Client/Reporting Information Company: <u>ERM, West, Inc.</u> Street: <u>6455 Yosemite St, Ste 90</u> City: <u>Golden</u> State: <u>CO</u> ZIP: <u>80111</u> Contact: <u>Gabe Touna</u> E-Mail: <u>Gabe.Touna@erm.com</u> Phone: <u>720 468 2429</u> Fax: <u>720 468 2429</u> Sampler: <u>Gabe Touna</u> Phone: <u>720 468 2429</u>		Billing Information (if different from reporting) Company: _____ Street: _____ City: _____ State: _____ ZIP: _____ Attention: _____ Client PO #: _____ Accutest Quote/Bottle Order #: _____		Project Information Accutest Job #: <u>D29606</u> PWSID or Project#: <u>010436</u> System Name: <u>Schwake Land Farm</u> System Address: <u>CR 74</u> City: <u>Golden</u> State: <u>CO</u> ZIP: _____ Contact Person: _____ Tel: _____ Email: _____	
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Turn Around Time (Business Days) <input checked="" type="checkbox"/> Std 10 business Days <input type="checkbox"/> 5 Day Rush <input type="checkbox"/> 3 Day Rush <input type="checkbox"/> 2 Day Rush <input type="checkbox"/> 1 Day Rush			PHASE I - V Drinking Water Analysis (check analysis) SOLS															Subcontracted Analysis		Lab Use Only																																																																	
State Form Information State Forms Required Yes <input type="checkbox"/> No <input type="checkbox"/> Compliance Samples Yes <input type="checkbox"/> No <input type="checkbox"/> Mail Forms to State Yes <input type="checkbox"/> No <input type="checkbox"/> Fax <input type="checkbox"/> PDF <input type="checkbox"/> EDD <input type="checkbox"/>			<table border="1"> <tr> <th>No. of Containers</th> <th>THM 524.2</th> <th>VOC 524.2</th> <th>Halocarbon Acids 552.2</th> <th>EDB/DBP 504.1</th> <th>Pesticides / PCBs 508</th> <th>Herbicides 515.4</th> <th>SOC 525.2 (3 analytes only)</th> <th>OP Pesticides 525.2</th> <th>Carbamates 531.1</th> <th>Glyphosate 547</th> <th>Endothal 548.1</th> <th>Diquat 549.2</th> <th>Nitrite-N</th> <th>Nitrate-N</th> <th>Fluoride</th> <th>Alkalinity</th> <th>Langlier Index</th> <th>TOC</th> <th>DOC</th> <th>Cyanide</th> <th>SUA</th> <th>UV254</th> <th>11 Inorganic Metals *</th> <th>Lead & Copper</th> <th>TPH GPO</th> <th>TPH DRO</th> <th>Total Coliform (pl)</th> <th>Gross-A + Total Solid</th> <th>Gross-A+B</th> <th>Ra 226</th> <th>Ra 228</th> <th>Uranium</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>																		No. of Containers	THM 524.2	VOC 524.2	Halocarbon Acids 552.2	EDB/DBP 504.1	Pesticides / PCBs 508	Herbicides 515.4	SOC 525.2 (3 analytes only)	OP Pesticides 525.2	Carbamates 531.1	Glyphosate 547	Endothal 548.1	Diquat 549.2	Nitrite-N	Nitrate-N	Fluoride	Alkalinity	Langlier Index	TOC	DOC	Cyanide	SUA	UV254	11 Inorganic Metals *	Lead & Copper	TPH GPO	TPH DRO	Total Coliform (pl)	Gross-A + Total Solid	Gross-A+B	Ra 226	Ra 228	Uranium																																
No. of Containers	THM 524.2	VOC 524.2	Halocarbon Acids 552.2	EDB/DBP 504.1	Pesticides / PCBs 508	Herbicides 515.4	SOC 525.2 (3 analytes only)	OP Pesticides 525.2	Carbamates 531.1	Glyphosate 547	Endothal 548.1	Diquat 549.2	Nitrite-N	Nitrate-N	Fluoride	Alkalinity	Langlier Index	TOC	DOC	Cyanide	SUA	UV254	11 Inorganic Metals *	Lead & Copper	TPH GPO	TPH DRO	Total Coliform (pl)	Gross-A + Total Solid	Gross-A+B	Ra 226	Ra 228	Uranium																																																					
Sample Location or ID			Date			Time																																																																															
G-1			11/17/11			1315																						01																																																									
G-2						1320																						02																																																									
G-3						1325																						03																																																									
G-5						1330																						04																																																									
G-6						1335																						05																																																									
H-8						1340																						06																																																									
J-1						1345																						07																																																									
K-1						1350																						08																																																									
G-11						1355																						09																																																									
L-1						1400																						10																																																									

Instructions:

* Inorganic Metals include: Sb, As, Ba, Be, Cd, Cr, Hg, Ni, Se, Na, Ti

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished By:	Date/Time	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time
1 <u>[Signature]</u>	11/17/11 1700	2 <u>David J R</u>	11/17 17:00				
Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time	Received By:	Date/Time
2		3		4		5	

Custody Seal: HD Intact ☒ Not Intact ☐ Preserved where applicable ☐ Cooler Temp: 2.1 On Ice ☒ Location: _____

D29606: Chain of Custody

Page 1 of 2



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D29606 Client: ERM WEST INC. Immediate Client Services Action Required: No
Date / Time Received: 11/17/2011 5:00:00 PM No. Coolers: 1 Client Service Action Required at Login: No
Project: 010436 Airbill #'s: HD

Cooler Security

	Y	or	N		Y	or	N
1. Custody Seals Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	4. Smpl Dates/Time OK	<input checked="" type="checkbox"/>		<input type="checkbox"/>

Cooler Temperature

	Y	or	N
1. Temp criteria achieved:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Cooler temp verification:	<u>Infrared gun</u>		
3. Cooler media:	<u>Ice (bag)</u>		

Quality Control Preservation

	Y	or	N	N/A
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input type="checkbox"/>	
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input type="checkbox"/>	
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Sample Integrity - Documentation

	Y	or	N
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>		<input type="checkbox"/>

Sample Integrity - Condition

	Y	or	N
1. Sample recvd within HT:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Condition of sample:	<u>Intact</u>		

Sample Integrity - Instructions

	Y	or	N	N/A
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume rec'd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

Accutest Laboratories
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Wheat Ridge, CO
www.accutest.com

D29606: Chain of Custody
Page 2 of 2



GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

6

Method Blank Summary

Page 1 of 1

Job Number: D29606

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB794-MB	GB13979.D	1	11/21/11	SK	n/a	n/a	GGB794

The QC reported here applies to the following samples:

Method: SW846 8015B

D29606-1, D29606-2, D29606-3, D29606-4, D29606-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
120-82-1	1,2,4-Trichlorobenzene	97% 60-140%

6.1.1
6

Method Blank Summary

Page 1 of 1

Job Number: D29606

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB795-MB	GB14007.D	1	11/22/11	SK	n/a	n/a	GGB795

The QC reported here applies to the following samples:

Method: SW846 8015B

D29606-6, D29606-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
120-82-1	1,2,4-Trichlorobenzene	94% 60-140%

6.1.2

6

Method Blank Summary

Page 1 of 1

Job Number: D29606

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB796-MB	GB14037.D	1	11/23/11	SK	n/a	n/a	GGB796

The QC reported here applies to the following samples:

Method: SW846 8015B

D29606-8, D29606-9, D29606-10

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
120-82-1	1,2,4-Trichlorobenzene	95% 60-140%

6.1.3

6

Blank Spike Summary

Page 1 of 1

Job Number: D29606

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB794-BS	GB13980.D	1	11/21/11	SK	n/a	n/a	GGB794

The QC reported here applies to the following samples:

Method: SW846 8015B

D29606-1, D29606-2, D29606-3, D29606-4, D29606-5

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	110	110	100	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	107%	60-140%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: D29606

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB795-BS	GB14008.D	1	11/22/11	SK	n/a	n/a	GGB795

The QC reported here applies to the following samples:

Method: SW846 8015B

D29606-6, D29606-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	110	111	101	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	109%	60-140%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: D29606

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB796-BS	GB14038.D	1	11/23/11	SK	n/a	n/a	GGB796

The QC reported here applies to the following samples:

Method: SW846 8015B

D29606-8, D29606-9, D29606-10

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	110	115	105	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	106%	60-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D29606

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D29577-1MS	GB13982.D	1	11/21/11	SK	n/a	n/a	GGB794
D29577-1MSD	GB13983.D	1	11/21/11	SK	n/a	n/a	GGB794
D29577-1	GB13981.D	1	11/21/11	SK	n/a	n/a	GGB794

The QC reported here applies to the following samples:

Method: SW846 8015B

D29606-1, D29606-2, D29606-3, D29606-4, D29606-5

CAS No.	Compound	D29577-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	12.2	J	154	162	97	159	95	2	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D29577-1	Limits
120-82-1	1,2,4-Trichlorobenzene	109%	107%	87%	60-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D29606

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D29637-1MS	GB14010.D	1	11/22/11	SK	n/a	n/a	GGB795
D29637-1MSD	GB14011.D	1	11/22/11	SK	n/a	n/a	GGB795
D29637-1	GB14009.D	1	11/22/11	SK	n/a	n/a	GGB795

The QC reported here applies to the following samples:

Method: SW846 8015B

D29606-6, D29606-7

CAS No.	Compound	D29637-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		156	163	105	160	103	2	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D29637-1	Limits
120-82-1	1,2,4-Trichlorobenzene	115%	106%	94%	60-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D29606

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D29717-1MS	GB14040.D	1	11/23/11	SK	n/a	n/a	GGB796
D29717-1MSD	GB14041.D	1	11/23/11	SK	n/a	n/a	GGB796
D29717-1	GB14039.D	1	11/23/11	SK	n/a	n/a	GGB796

The QC reported here applies to the following samples:

Method: SW846 8015B

D29606-8, D29606-9, D29606-10

CAS No.	Compound	D29717-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		176	180	103	182	104	1	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D29717-1	Limits
120-82-1	1,2,4-Trichlorobenzene	105%	107%	95%	60-140%

* = Outside of Control Limits.



GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

7

Method Blank Summary

Page 1 of 1

Job Number: D29606

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4881-MB	FD11580.D	1	11/21/11	TR	11/19/11	OP4881	GFD588

The QC reported here applies to the following samples:

Method: SW846-8015B

D29606-3, D29606-6, D29606-7, D29606-9

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	13	8.7	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	109% 61-142%

Method Blank Summary

Page 1 of 1

Job Number: D29606

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4904-MB	FD11816.D	1	11/30/11	TR	11/23/11	OP4904	GFD603

The QC reported here applies to the following samples:

Method: SW846-8015B

D29606-1, D29606-2, D29606-4, D29606-5, D29606-8, D29606-10

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	13	8.7	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	85% 61-142%

7.1.2

7

Blank Spike Summary

Page 1 of 1

Job Number: D29606

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4881-BS	FD11581.D	1	11/21/11	TR	11/19/11	OP4881	GFD588

The QC reported here applies to the following samples:

Method: SW846-8015B

D29606-3, D29606-6, D29606-7, D29606-9

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	667	518	78	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	99%	61-142%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: D29606

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4904-BS	FD11817.D	1	11/30/11	TR	11/23/11	OP4904	GFD603

The QC reported here applies to the following samples:

Method: SW846-8015B

D29606-1, D29606-2, D29606-4, D29606-5, D29606-8, D29606-10

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	667	560	84	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	93%	61-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D29606

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4881-MS	FD11582.D	1	11/21/11	TR	11/19/11	OP4881	GFD588
OP4881-MSD	FD11583.D	1	11/21/11	TR	11/19/11	OP4881	GFD588
D29629-1	FD11584.D	1	11/21/11	TR	11/19/11	OP4881	GFD588

The QC reported here applies to the following samples:

Method: SW846-8015B

D29606-3, D29606-6, D29606-7, D29606-9

CAS No.	Compound	D29629-1 mg/kg	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	ND	779	652	84	636	82	2	24-157/35

CAS No.	Surrogate Recoveries	MS	MSD	D29629-1	Limits
84-15-1	o-Terphenyl	104%	101%	80%	61-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D29606
Account: ERMCOGV ERM-Rocky Mountain, Inc.
Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4904-MS	FD11818.D	1	11/30/11	TR	11/23/11	OP4904	GFD603
OP4904-MSD	FD11819.D	1	11/30/11	TR	11/23/11	OP4904	GFD603
D29708-3	FD11820.D	1	11/30/11	TR	11/23/11	OP4904	GFD603

The QC reported here applies to the following samples:

Method: SW846-8015B

D29606-1, D29606-2, D29606-4, D29606-5, D29606-8, D29606-10

CAS No.	Compound	D29708-3 mg/kg	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	ND	758	550	73	490	65	12	24-157/35

CAS No.	Surrogate Recoveries	MS	MSD	D29708-3	Limits
84-15-1	o-Terphenyl	75%	68%	77%	61-142%

* = Outside of Control Limits.



07/13/12

Technical Report for

ERM-Rocky Mountain, Inc.

Schwake Tank Battery

0104362

Accutest Job Number: D34523

Sampling Date: 05/15/12


Report to:

chris.thebo@erm.com

Total number of pages in report: 29



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.


Brad Madadian
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO, ID, NE, NM, ND (R-027) (PW), UT (NELAP CO00049), TX (T104704511-12-1)

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Test results relate only to samples analyzed.

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Sample Summary

ERM-Rocky Mountain, Inc.

Job No: D34523

Schwake Tank Battery
Project No: 0104362

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
D34523-1	05/15/12	13:10 GT	05/15/12	SO Soil	L1
D34523-2	05/15/12	13:20 GT	05/15/12	SO Soil	G2
D34523-3	05/15/12	13:30 GT	05/15/12	SO Soil	G3
D34523-4	05/15/12	13:40 GT	05/15/12	SO Soil	G5
D34523-5	05/15/12	13:50 GT	05/15/12	SO Soil	G6
D34523-6	05/15/12	13:45 GT	05/15/12	SO Soil	G55

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



CASE NARRATIVE / CONFORMANCE SUMMARY

Client: ERM-Rocky Mountain, Inc.

Job No D34523

Site: Schwake Tank Battery

Report Date 5/25/2012 3:44:21 PM

On 05/15/2012, 6 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 2.7 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D34523 was assigned to the project. The lab sample IDs, client sample IDs, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GC By Method SW846 8015B

Matrix SO	Batch ID: GGB892
------------------	-------------------------

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D34531-1MS, D34531-1MSD were used as the QC samples indicated.

Extractables by GC By Method SW846-8015B

Matrix SO	Batch ID: OP5909
------------------	-------------------------

- All samples were extracted and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D34531-2MS, D34531-2MSD were used as the QC samples indicated.
- Sample(s) D34523-1 have surrogates outside control limits. Probable cause due to matrix interference.
- D34523-1 for o-Terphenyl: Outside control limits due to possible matrix interference.

Wet Chemistry By Method SM19 2540B M

Matrix SO	Batch ID: GNI4992
------------------	--------------------------

- The data for SM19 2540B M meets quality control requirements.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Summary of Hits

Page 1 of 1

Job Number: D34523
Account: ERM-Rocky Mountain, Inc.
Project: Schwake Tank Battery
Collected: 05/15/12



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D34523-1	L1					
TPH-DRO (C10-C28)		4880	140	90	mg/kg	SW846-8015B
D34523-2	G2					
TPH-DRO (C10-C28)		792	160	100	mg/kg	SW846-8015B
D34523-3	G3					
TPH-DRO (C10-C28)		1670	140	92	mg/kg	SW846-8015B
D34523-4	G5					
TPH-DRO (C10-C28)		885	140	90	mg/kg	SW846-8015B
D34523-5	G6					
TPH-DRO (C10-C28)		943	140	91	mg/kg	SW846-8015B
D34523-6	G55					
TPH-DRO (C10-C28)		969	14	9.1	mg/kg	SW846-8015B



4

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 1

Client Sample ID: L1
Lab Sample ID: D34523-1
Matrix: SO - Soil
Method: SW846 8015B
Project: Schwake Tank Battery

Date Sampled: 05/15/12
Date Received: 05/15/12
Percent Solids: 96.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB16026.D	1	05/16/12	SK	n/a	n/a	GGB892
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	84%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: L1

Lab Sample ID: D34523-1

Matrix: SO - Soil

Method: SW846-8015B SW846 3546

Project: Schwake Tank Battery

Date Sampled: 05/15/12

Date Received: 05/15/12

Percent Solids: 96.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH004567.D	10	05/23/12	AW	05/18/12	OP5909	GFH253
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	4880	140	90	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	36% ^a		43-136%

(a) Outside control limits due to possible matrix interference.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: G2
Lab Sample ID: D34523-2
Matrix: SO - Soil
Method: SW846 8015B
Project: Schwake Tank Battery

Date Sampled: 05/15/12
Date Received: 05/15/12
Percent Solids: 84.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB16028.D	1	05/17/12	SK	n/a	n/a	GGB892
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	13	6.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	84%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: G2

Lab Sample ID: D34523-2

Matrix: SO - Soil

Method: SW846-8015B SW846 3546

Project: Schwake Tank Battery

Date Sampled: 05/15/12

Date Received: 05/15/12

Percent Solids: 84.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH004569.D	10	05/23/12	AW	05/18/12	OP5909	GFH253
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	792	160	100	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	63%		43-136%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: G3
Lab Sample ID: D34523-3
Matrix: SO - Soil
Method: SW846 8015B
Project: Schwake Tank Battery

Date Sampled: 05/15/12
Date Received: 05/15/12
Percent Solids: 93.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB16029.D	1	05/17/12	SK	n/a	n/a	GGB892
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	79%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: G3	
Lab Sample ID: D34523-3	Date Sampled: 05/15/12
Matrix: SO - Soil	Date Received: 05/15/12
Method: SW846-8015B SW846 3546	Percent Solids: 93.8
Project: Schwake Tank Battery	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH004571.D	10	05/23/12	AW	05/18/12	OP5909	GFH253
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	1670	140	92	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	50%		43-136%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G5
Lab Sample ID: D34523-4
Matrix: SO - Soil
Method: SW846 8015B
Project: Schwake Tank Battery

Date Sampled: 05/15/12
Date Received: 05/15/12
Percent Solids: 96.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB16030.D	1	05/17/12	SK	n/a	n/a	GGB892
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	80%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G5	
Lab Sample ID: D34523-4	Date Sampled: 05/15/12
Matrix: SO - Soil	Date Received: 05/15/12
Method: SW846-8015B SW846 3546	Percent Solids: 96.2
Project: Schwake Tank Battery	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH004573.D	10	05/23/12	AW	05/18/12	OP5909	GFH253
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	885	140	90	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	62%		43-136%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: G6
Lab Sample ID: D34523-5
Matrix: SO - Soil
Method: SW846 8015B
Project: Schwake Tank Battery

Date Sampled: 05/15/12
Date Received: 05/15/12
Percent Solids: 95.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB16031.D	1	05/17/12	SK	n/a	n/a	GGB892
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	79%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: G6

Lab Sample ID: D34523-5

Matrix: SO - Soil

Method: SW846-8015B SW846 3546

Project: Schwake Tank Battery

Date Sampled: 05/15/12

Date Received: 05/15/12

Percent Solids: 95.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH004575.D	10	05/23/12	AW	05/18/12	OP5909	GFH253
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	943	140	91	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		43-136%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: G55
Lab Sample ID: D34523-6
Matrix: SO - Soil
Method: SW846 8015B
Project: Schwake Tank Battery

Date Sampled: 05/15/12
Date Received: 05/15/12
Percent Solids: 95.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB16032.D	1	05/17/12	SK	n/a	n/a	GGB892
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	82%		60-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: G55	
Lab Sample ID: D34523-6	Date Sampled: 05/15/12
Matrix: SO - Soil	Date Received: 05/15/12
Method: SW846-8015B SW846 3546	Percent Solids: 95.6
Project: Schwake Tank Battery	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH004577.D	1	05/23/12	AW	05/18/12	OP5909	GFH253
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	969	14	9.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	101%		43-136%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Mountain States
4036 Youngfield Street Wheat Ridge, Co 80033
TEL. 303-425-6021 877-737-4521
FAX 303-425-6021

[illegible]

5.1

D34523: Chain of Custody

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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D34523

Client: ERM WEST - INC

Immediate Client Services Action Required: No

Date / Time Received: 5/15/2012 4:35:00 PM

No. Coolers: 1

Client Service Action Required at Login: No

Project: SCHWAKA LANDFARM

Airbill #'s: HD

Cooler Security

Y or N

1. Custody Seals Present: ☒ ☐
2. Custody Seals Intact: ☒ ☐

Y or N

3. COC Present: ☒ ☐
4. SmpI Dates/Time OK: ☒ ☐

Cooler Temperature

Y or N

1. Temp criteria achieved: ☒ ☐
2. Cooler temp verification: Infrared gun
3. Cooler media: Ice (bag)

Quality Control Preservation

Y or N N/A

1. Trip Blank present / cooler: ☐ ☐
2. Trip Blank listed on COC: ☐ ☐
3. Samples preserved properly: ☒ ☐
4. VOCs headspace free: ☐ ☐ ☒

Sample Integrity - Documentation

Y or N

1. Sample labels present on bottles: ☒ ☐
2. Container labeling complete: ☒ ☐
3. Sample container label / COC agree: ☒ ☐

Sample Integrity - Condition

Y or N

1. Sample recvd within HT: ☒ ☐
2. All containers accounted for: ☒ ☐
3. Condition of sample: Intact

Sample Integrity - Instructions

Y or N N/A

1. Analysis requested is clear: ☒ ☐
2. Bottles received for unspecified tests: ☐ ☒
3. Sufficient volume rec'd for analysis: ☒ ☐
4. Compositing instructions clear: ☐ ☐ ☒
5. Filtering instructions clear: ☐ ☐ ☒

Comments

Accutest Laboratories
V: (303) 425-6021

4036 Youngfield Street
F: (303) 425-6854

Wheat Ridge, CO
www.accutest.com

D34523: Chain of Custody

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Mountain States
ACCUTEST
LABORATORIES

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

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Method Blank Summary

Page 1 of 1

Job Number: D34523

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB892-MB	GB16017.D	1	05/16/12	SK	n/a	n/a	GGB892

The QC reported here applies to the following samples:

Method: SW846 8015B

D34523-1, D34523-2, D34523-3, D34523-4, D34523-5, D34523-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
120-82-1	1,2,4-Trichlorobenzene	92% 60-140%

6.1.1
6

Blank Spike Summary

Page 1 of 1

Job Number: D34523

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB892-BS	GB16018.D	1	05/16/12	SK	n/a	n/a	GGB892

The QC reported here applies to the following samples:

Method: SW846 8015B

D34523-1, D34523-2, D34523-3, D34523-4, D34523-5, D34523-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	110	125	114	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	98%	60-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D34523

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D34531-1MS	GB16020.D	1	05/16/12	SK	n/a	n/a	GGB892
D34531-1MSD	GB16021.D	1	05/16/12	SK	n/a	n/a	GGB892
D34531-1	GB16019.D	1	05/16/12	SK	n/a	n/a	GGB892

The QC reported here applies to the following samples:

Method: SW846 8015B

D34523-1, D34523-2, D34523-3, D34523-4, D34523-5, D34523-6

CAS No.	Compound	D34531-1 mg/kg	Spike Q	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND	136	156	115	155	114	1	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D34531-1	Limits
120-82-1	1,2,4-Trichlorobenzene	101%	92%	91%	60-140%

* = Outside of Control Limits.



GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Page 1 of 1

Job Number: D34523

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP5909-MB	FH004377.D 1		05/20/12	AW	05/18/12	OP5909	GFH243

The QC reported here applies to the following samples:

Method: SW846-8015B

D34523-1, D34523-2, D34523-3, D34523-4, D34523-5, D34523-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	13	8.7	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	93% 43-136%

Blank Spike Summary

Page 1 of 1

Job Number: D34523

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP5909-BS	FH004379.D 1		05/20/12	AW	05/18/12	OP5909	GFH243

The QC reported here applies to the following samples:

Method: SW846-8015B

D34523-1, D34523-2, D34523-3, D34523-4, D34523-5, D34523-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	667	587	88	58-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	122%	43-136%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D34523

Account: ERMCOGV ERM-Rocky Mountain, Inc.

Project: Schwake Tank Battery

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP5909-MS	FH004381.D 1		05/20/12	AW	05/18/12	OP5909	GFH243
OP5909-MSD	FH004383.D 1		05/20/12	AW	05/18/12	OP5909	GFH243
D34531-2	FH004385.D 1		05/20/12	AW	05/18/12	OP5909	GFH243

The QC reported here applies to the following samples:

Method: SW846-8015B

D34523-1, D34523-2, D34523-3, D34523-4, D34523-5, D34523-6

CAS No.	Compound	D34531-2 mg/kg	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	552	758	1090	108	1070	105	2	20-183/43

CAS No.	Surrogate Recoveries	MS	MSD	D34531-2	Limits
84-15-1	o-Terphenyl	98%	91%	92%	43-136%

* = Outside of Control Limits.