



Kerr-McGee Oil & Gas Onshore LP
1099 18th Street, Suite 1800
Denver, Colorado 80202
720-929-6000 Fax 720-929-7000

April 29, 2014

Mr. Chris Canfield
Environmental Protection Specialist
Colorado Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801
Denver, Colorado 80203

**Re: No Further Action Status Request
Castor Hanson Unit True 1, Magness Land 15-25
COGCC Spill Tracking No. 2147690
SESE 25-T3N-R67W**

Dear Mr. Canfield:

Kerr-McGee Oil and Gas Onshore LP (Kerr-McGee) is submitting this letter report as an update to the Form 19, submitted on February 7, 2014, for the Castor Hanson Unit True 1, Magness Land 15-25 tank battery (Site). We are requesting a No Further Action (NFA) status for this Site.

On January 28, 2014, an equipment failure caused approximately 1 barrel of condensate to release from the production tank. The condensate misted onto the snow covered ground of the production facility and lease road, which are located adjacent to the South Platte River. The wells were shut in. An earthen berm was constructed around the spray release area to prevent any condensate from potentially migrating offsite with melting snow. Absorbent booms were placed between the earthen berm and the South Platte River as an additional precautionary measure. The remaining fluid was transferred from the failed production tank to another production facility.

Kerr-McGee contracted LT Environmental, Inc. (LTE) to collect surface water samples from the South Platte River, soil samples from the spray release area, and interpret the laboratory analytical results. Four surface water samples (SW01 through SW04) were collected from the South Platte River on the day of the release and submitted for benzene, toluene, ethylbenzene and total xylenes (BTEX) analysis by Environmental Protection Agency (EPA) Method 8260. The surface water sample analytical results indicate that BTEX concentrations in the surface water are below the laboratory reporting limit of 1.0 micrograms per liter ($\mu\text{g/L}$). Surface soil samples could not be collected on the day of the release due to the presence of snow on the ground. The initial spill response actions and surface water sample results summarized above were submitted to the Colorado Oil and Gas Conservation Commission (COGCC) via Form 19 on February 7, 2014.

On February 28, 2014, following submittal of the Form 19 and following snow melt, nine surface soil samples (SS01 through SS09) were collected from within the spray release area to assess the lateral extent of petroleum hydrocarbon impacted soil, if present. The surface soil samples were

submitted for total petroleum hydrocarbon (TPH) analysis by EPA Methods 8015 and 8260 and BTEX analysis by EPA Method 8260. The soil sample analytical results confirm that TPH and BTEX concentrations are below COGCC allowable levels within the spray release area. As a precautionary measure, approximately 130 cubic yards of soil were excavated from the release area and transported to the Front Range Landfill in Erie, Colorado for disposal.

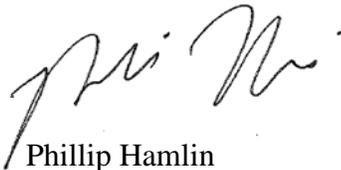
A Site Map showing the general site layout, surface soil sample locations, and surface water sample locations is provided as Figure 1. The surface water sample and soil sample analytical results are summarized in Tables 1 and 2, respectively. The laboratory analytical reports are attached.

No further investigation is required at this site. Laboratory results for the surface water samples indicate that BTEX concentrations in the surface water are below the laboratory reporting limit of 1.0 µg/L. Laboratory results for the surface soil samples confirm that TPH and BTEX concentrations are below COGCC allowable levels within the release area. Based on the surface water sample and surface soil sample analytical results, Kerr-McGee is requesting a No Further Action status for this site.

Feel free to contact me at 970-515-1161 if you have any questions regarding this information.

Sincerely,

Kerr-McGee Oil & Gas Onshore LP



Phillip Hamlin
Senior HSE Representative

Attachments

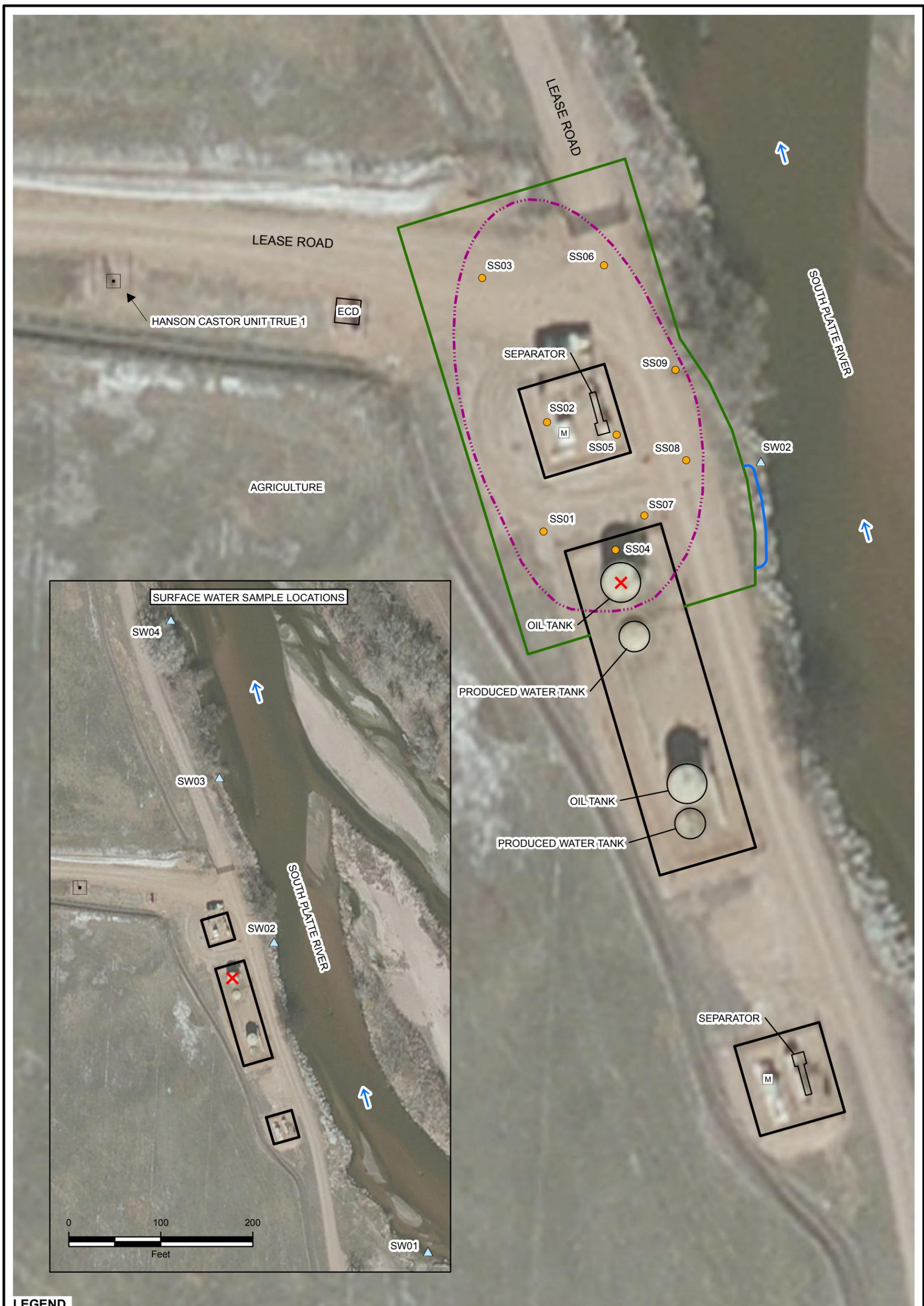
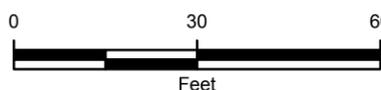


IMAGE COURTESY OF ESRI

LEGEND

- | | | | |
|--|------------------------------|--|------------------------------|
| | RELEASE | | EMERGENCY EARTHEN BERM |
| | SOIL SAMPLE | | ABSORBENT BOOM |
| | SURFACE WATER SAMPLE | | SPRAY RELEASE EXTENT |
| | WELLHEAD | | BERM |
| | METER HOUSE | | ECD: EMISSION CONTROL DEVICE |
| | SURFACE WATER FLOW DIRECTION | | |



**FIGURE 1
SITE MAP**
 CASTOR HANSON UNIT TRUE 1, MAGNESS LAND 15-25
 SESE SEC 25-T3N-R67W
 WELD COUNTY, COLORADO
 KERR-MCGEE OIL & GAS ONSHORE LP



TABLE 1
SURFACE WATER ANALYTICAL RESULTS
CASTOR HANSON UNIT TRUE 1, MAGNESS LAND 15-25
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Sample Name	Date	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Xylenes (ug/L)
SW01	01/28/2014	<1.0	<1.0	<1.0	<1.0
SW02	01/28/2014	<1.0	<1.0	<1.0	<1.0
SW03	01/28/2014	<1.0	<1.0	<1.0	<1.0
SW04	01/28/2014	<1.0	<1.0	<1.0	<1.0

Notes: < - less than
ug/L - micrograms per Liter
NA - Not Analyzed/Not Available



TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
CASTOR HANSON UNIT TRUE 1, MAGNESS LAND 15-25
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Soil Sample ID	Depth (bgs)	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	DRO (mg/kg)	GRO (mg/kg)	ORO (mg/kg)
SS01	Surface	02/28/2014	<0.01	0.177	0.027	0.376	<50	<50	<50
SS02	Surface	02/28/2014	<0.01	<0.01	<0.01	<0.01	<50	<50	<50
SS03	Surface	02/28/2014	<0.01	<0.01	<0.01	<0.01	<50	<50	<50
SS04	Surface	02/28/2014	0.027	2.18	0.681	12.3	<50	122	<50
SS05	Surface	02/28/2014	<0.01	<0.01	<0.01	<0.01	<50	<50	<50
SS06	Surface	02/28/2014	<0.01	<0.01	<0.01	<0.01	<50	<50	<50
SS07	Surface	02/28/2014	<0.01	0.047	<0.01	0.061	<50	<50	<50
SS08	Surface	02/28/2014	<0.01	<0.01	<0.01	<0.01	<50	<50	<50
SS09	Surface	02/28/2014	<0.01	<0.01	<0.01	<0.01	<50	<50	<50
COGCC Standards			0.17	85	100	175	500*	500*	500*

Notes: bgs - below ground surface
< - less than
DRO - Diesel Range Organics
ORO - Oil Range Organics
GRO - Gasoline Range Organics
* - Standard applies to combined DRO-GRO-ORO

mg/kg - milligrams per kilogram
NA - Not Analyzed/Not Available
Bold numbers indicate result equaled or exceeded standard.
COGCC - Colorado Oil and Gas Conservation Commission



Test Report

eANALYTICS LABORATORY

January 28, 2014

Client: LT Environmental / Anadarko
Project: Hanson Castor True #1
Lab ID: 667
Date Samples Received: 1/28/2014
Number of Samples: 4
Sample Condition: Samples arrived intact and in appropriate sample containers
Sample Temperature: Within acceptable range of 2-6° C, or as specified in EPA Method

The quality control procedures associated with the requested analyses were satisfactorily passed before the samples were run.

Thank you for allowing eAnalytics Laboratory to provide laboratory services for you.

Sincerely,



Christopher Dieken
Quality Assurance Manager



Todd Rhea
Laboratory Manager



Proudly certified by A2LA & The
United States Department of Defense
(DoD ELAP)

eAnalytics Laboratory

1767 Rocky Mountain Avenue Loveland CO 80538



eANALYTICS
LABORATORY

Client: LT Environmental / Anadarko Lab ID: 667
 Project: Hanson Castor True #1 Method: EPA8260

Sample Name	Dibromo- fluoromethane % Recovery	1,2 Dichloro- ethane-D4 % Recovery	Toluene-D8 % Recovery	Bromo- fluorobenzene % Recovery	Date Sampled	Date Analyzed	Lab ID
SW01	87	99	104	107	01/28/14	01/28/14	667 1
SW02	101	102	100	100	01/28/14	01/28/14	667 2
SW03	87	103	98	103	01/28/14	01/28/14	667 3
SW04	91	105	88	104	01/28/14	01/28/14	667 4

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Client: LT Environmental / Anadarko Lab ID: 667
 Project: Hanson Castor True #1
 Analysis: Volatile Organics Method: EPA8260

Sample Name	Benzene % Rec	Toluene % Rec	Ethyl- benzene % Rec	Total Xylenes % Rec	Date Analyzed	Lab ID
Laboratory Control (70-130%)	102	101	90	103	01/28/14	LCS 667 1
Calibration Verification (80-120%)	103	91	101	103	01/28/14	CCV 667 1
Method Blank	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L	< 1.0 ug/L	01/28/14	MB 667 1

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Test Report

eANALYTICS LABORATORY

March 2, 2014

Client: LT Environmental / Anadarko

Project: Hanson Caster True #1

Lab ID: 831

Date Samples Received: 2/28/2014

Number of Samples: 9

Sample Condition: Samples arrived intact and in appropriate sample containers

Sample Temperature: Within acceptable range of 2-6° C, or as specified in EPA Method

The quality control procedures associated with the requested analyses were satisfactorily passed before the samples were run.

Thank you for allowing eAnalytics Laboratory to provide laboratory services for you.

Sincerely,



Christopher Dieken
Quality Assurance Manager



Todd Rhea
Laboratory Manager



Proudly certified by A2LA & The
United States Department of Defense
(DoD ELAP)

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Chain of Custody

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LABORATORY

Chain of Custody Form

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1767 Rocky Mountain Avenue Loveland CO 80538 | Phone: (970) 667-6975 | Fax: (970) 669-0941 | www.eAnalyticsLab.com

CLIENT INFORMATION <small>(*New Clients please fill out completely)</small>			ANALYSIS INFORMATION <small>(Select analysis by checking box on corresponding sample line)</small>																		
Company: LT Environmental			Number of Containers	Matrix: (S) Soil (W) Water (V) Vapor (O) Other	BTEX (EPA 8260)	BTEX Naphthalene (EPA 8260)	TPH - GRO/DRO (EPA 8260/8015)	TPH-GRO/DRO/ORO (EPA 8260/8015)	SAR (US Dept of Ag Method 20B)	EC (US Dept of Ag Method 3)	pH (EPA 9045D)	Other Analysis									
Project: Hanson Caster tree #1																					
Project Manager: J. Croft																					
Sampler: J. Dochter																					
Phone/Email: 303-433-9788																					
Address: 4600 W 60th Ave Arvada, CO 80003																					
Lab ID	Sample Name	Sampling Date/Time																			
1	SS01	2/28/14 1555 AM/PM	1	S	X			X													
2	SS02	1600 AM/PM																			
3	SS03	1605 AM/PM																			
4	SS04	1610 AM/PM																			
5	SS05	1615 AM/PM																			
6	SS06	1620 AM/PM																			
7	SS07	1625 AM/PM																			
8	SS08	1630 AM/PM																			
9	SS09	1635 AM/PM																			

Comments:

<p>Turnaround Time (Business Days) TAT begins when sample is received by eANALYTICS</p> <p><input type="radio"/> Normal (5-10 Days) Rush analysis requires an extra charge. <input type="radio"/> 3 Day (1.25x) possible please inform eANALYTICS in advance <input type="radio"/> 1 Day (2x) for rush analysis. <input type="radio"/> Same Day (3x) <input checked="" type="radio"/> Next Bus. Morning (APC Pricing)</p>	<p style="text-align: center;">Record of Custody</p> <p>Relinquished by: <i>[Signature]</i> Date: 2/28/14 Company: LIE Time: 4:30 AM/PM</p> <p>Received by: _____ Date: _____ Company: _____ Time: _____</p> <p>Relinquished by: _____ Date: _____ Company: _____ Time: _____</p> <p>Received by: <i>[Signature]</i> Date: 2-28-14 Company: eANALYTICS Time: 4:30 AM/PM</p>
For eANALYTICS Use	
Samples Received Intact <input checked="" type="radio"/> Yes <input type="radio"/> No Received Within Temperature Range (2-6°C) <input checked="" type="radio"/> Yes <input type="radio"/> No Sample Preservative <input type="radio"/> Ice <input type="radio"/> Acid <input checked="" type="radio"/> None <input type="radio"/> Other	

WO # 831 eANALYTICS: Environmental testing made Easy Page 1 of 1



Client: LT Environmental / Anadarko Lab ID: 831
 Project: Hanson Caster True #1
 Analysis: Volatile Organics Method: EPA8260
 TPH EPA8260/8015

Sample Name	Benzene mg/kg	Toluene mg/kg	Ethyl- benzene mg/kg	Total Xylenes mg/kg	TPH	TPH	TPH	Date Sampled	Date Analyzed	Lab ID
					GRO C6-C10 mg/kg	DRO C10-C28 mg/kg	ORO C28-C36 mg/kg			
SS01	< 0.01	0.177	0.027	0.376	< 50	< 50	< 50	02/28/14	02/28/14	831 1
SS02	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	< 50	02/28/14	02/28/14	831 2
SS03	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	< 50	02/28/14	02/28/14	831 3
SS04	0.027	2.18	0.681	12.3	122	< 50	< 50	02/28/14	02/28/14	831 4
SS05	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	< 50	02/28/14	02/28/14	831 5
SS06	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	< 50	02/28/14	02/28/14	831 6
SS07	< 0.01	0.047	< 0.01	0.061	< 50	< 50	< 50	02/28/14	02/28/14	831 7
SS08	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	< 50	02/28/14	02/28/14	831 8
SS09	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	< 50	02/28/14	02/28/14	831 9

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Client: LT Environmental / Anadarko Lab ID: 831
 Project: Hanson Caster True #1 Method: EPA8260

Sample Name	Dibromo-fluoromethane % Recovery	1,2 Dichloro-ethane-D4 % Recovery	Toluene-D8 % Recovery	Bromo-fluorobenzene % Recovery	Date Sampled	Date Analyzed	Lab ID
SS01	89	97	109	89	02/28/14	02/28/14	831 1
SS02	91	91	95	111	02/28/14	02/28/14	831 2
SS03	90	87	109	88	02/28/14	02/28/14	831 3
SS04	95	93	91	101	02/28/14	02/28/14	831 4
SS05	108	88	109	107	02/28/14	02/28/14	831 5
SS06	102	96	89	86	02/28/14	02/28/14	831 6
SS07	105	95	106	109	02/28/14	02/28/14	831 7
SS08	95	88	96	96	02/28/14	02/28/14	831 8
SS09	107	110	89	99	02/28/14	02/28/14	831 9



Client: LT Environmental / Anadarko Lab ID: 831
 Project: Hanson Caster True #1
 Analysis: Volatile Organics Method: EPA8260
 TPH EPA8260/8015

Sample Name	Benzene % Rec	Toluene % Rec	Ethyl- benzene % Rec	Total Xylenes % Rec	TPH GRO C6-C10 % Rec	TPH DRO C10-C28 % Rec	TPH ORO C28-C36 % Rec	Date Analyzed	Lab ID	
Laboratory Control Sample (70-130%)	91	90	98	104	103	100	100	02/28/14	LCS	831 1
Method Blank	< 0.01 mg/kg	< 0.01 mg/kg	< 0.01 mg/kg	< 0.01 mg/kg	< 50 mg/kg	< 50 mg/kg	< 50 mg/kg	02/28/14	MB	831 1

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