

## Bratcher, Mike, EMNRD

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**From:** shelby.g.pennington@exxonmobil.com  
**Sent:** Wednesday, October 14, 2009 8:46 AM  
**To:** Bratcher, Mike, EMNRD  
**Subject:** ADU Injection Leak  
**Attachments:** H18443 EXXON.pdf; ADU #238 Diagram.doc

Mike,  
Here is a diagram of the spill at Avalon. The spill is one area, there is a gap in the diagram due to building a crossing area for a trackhoe. The spill has been excavated to an average of 6 feet deep. We obtained these samples last week at the bottom of each area on diagram. There are some high chloride levels and some that are not high at all. I previously sent you the samples we obtained with the auger rig which showed that we dug down 70 foot and reached no groundwater. Also dug to borings sampling every 5 foot until we obtained clean soil samples at 60 foot. I recommend installing a liner in the high chloride level and backfilling/re-seeding the site. If you want you can give me a call or we can go meet out at the site to discuss any ideas you may have. The chlorides seem to be higher at the release point. The bottom of the site shows to be clean. Thanks Mike.

Shelby G. Pennington  
ExxonMobil Fullerton/Seminole & New Mexico  
Sr. Operations Compliance Technician  
Office: 432-596-4211 ext. 14  
Cell: 432-266-1454  
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E-Mail: [shelby.g.pennington@exxonmobil.com](mailto:shelby.g.pennington@exxonmobil.com)

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# ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

October 12, 2009

Shelby Pennington  
Exxon Mobil  
6810 NW 8000  
Andrews, TX 79714

Re: ADU 238 Spill

Enclosed are the results of analyses for sample number H18443, received by the laboratory on 10/08/09 at 1:15 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

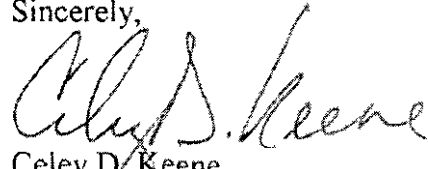
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,



Celey D. Keene  
Laboratory Director



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ANALYTICAL RESULTS FOR  
EXXON MOBIL  
ATTN: SHELBY PENNINGTON  
6810 NW 8000  
ANDREWS, TX 79714  
FAX TO: (432) 596-0010

Receiving Date: 10/08/09  
Reporting Date: 10/09/09  
Project Number: ADU 238  
Project Name: ADU 238 SPILL  
Project Location: ADU

Sampling Date: 10/08/09  
Sample Type: SOIL  
Sample Condition: COOL & INTACT @ 5°C  
Sample Received By: ML  
Analyzed By: HM

LAB NO. SAMPLE ID

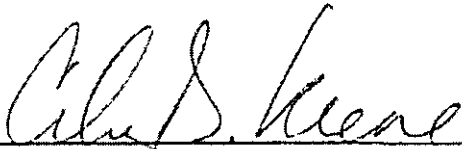
CI  
(mg/kg)


ANALYSIS DATE:	10/09/09
H18443-1 1V	12,000
H18443-2 2V	12,200
H18443-3 3V	32
H18443-4 4V	64
H18443-5 1-SW	1,010
H18443-6 2-SW	80
H18443-7 3-SW	2,120
H18443-8 4-SW	240
H18443-9 5-SW	13,400
H18443-10 6-SW	15,000
H18443-11 7-SW	112
H18443-12 8-SW	32
H18443-13 9-SW	48
H18443-14 10-SW	16
Quality Control	500
True Value QC	500
% Recovery	100
Relative Percent Difference	< 0.1

METHOD: Standard Methods

4500-CI'B

Note: Analyses performed on 1:4 w:v aqueous extracts.

  
Cheryl S. Keene  
Chemist

  
Date 10/12/09

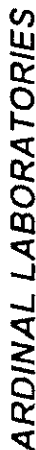
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EXCAVATION AUG Sept 6' 695

