

APPROVED

By Olivia Yu at 11:54 am, Mar 09, 2018

HollyFrontier Hobbs Truck Station #529
GPS Coordinates for Sample Points

NMOCD approves of the delineated
completed for 1RP-4926.

Bottom of Excavation

SP1	N 32.65274, W – 103.13960
SP2	N 32.65276 W – 103.13964
SP3	N 32.65275 W – 103.13960
SP4	N 32.65275 W – 103.13965
SP5	N 32.65227 W – 103.13958
SP6	N 32.65279 W – 103.13962
SP7	N 32.65281 W – 103.13956
SP8	N 32.65282 W – 103.13962

Walls of Excavation

North Wall	N 32.652870 W – 103.139589
South Wall	N 32.652673 W – 103.13902
West Wall SP1	N 32.652702 W – 103.139651
West Wall SP2	N 32.652809 W - 103.139649
East Wall SP1	N 32.652701 W – 103.139550
East Wall SP2	N 32.652788 W – 103.139543

Note: Sample Points are not plotted on the map or overhead photo due to it being such a small work area.



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

February 15, 2018

VERNON BLACK

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: HOBBS TS

Enclosed are the results of analyses for samples received by the laboratory on 02/01/18 15:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
15-Feb-18 11:27

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP 1 4' BGS	H800344-01	Soil	01-Feb-18 14:00	01-Feb-18 15:53
SP 2 4' BGS	H800344-02	Soil	01-Feb-18 14:10	01-Feb-18 15:53
SP 3 4' BGS	H800344-03	Soil	01-Feb-18 14:20	01-Feb-18 15:53
SP 4 6' BGS	H800344-04	Soil	01-Feb-18 14:30	01-Feb-18 15:53
SP 5 4' BGS	H800344-05	Soil	01-Feb-18 14:40	01-Feb-18 15:53
SP 6 4' BGS	H800344-06	Soil	01-Feb-18 14:50	01-Feb-18 15:53
SP 7 4' BGS	H800344-07	Soil	01-Feb-18 15:00	01-Feb-18 15:53
SP 8 4' BGS	H800344-08	Soil	01-Feb-18 15:10	01-Feb-18 15:53
SOUTH WALL SP 1	H800344-09	Soil	01-Feb-18 13:10	01-Feb-18 15:53
NORTH WALL SP 1	H800344-10	Soil	01-Feb-18 13:15	01-Feb-18 15:53
EAST WALL SP 1	H800344-11	Soil	01-Feb-18 13:25	01-Feb-18 15:53
EAST WALL SP 2	H800344-12	Soil	01-Feb-18 13:30	01-Feb-18 15:53
WEST WALL SP 1	H800344-13	Soil	01-Feb-18 13:45	01-Feb-18 15:53
WEST WALL SP 2	H800344-14	Soil	01-Feb-18 13:50	01-Feb-18 15:53

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
15-Feb-18 11:27

SP 1 4' BGS H800344-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			112 %	72-148		8020505	MS	06-Feb-18	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
Surrogate: 1-Chlorooctane			102 %	41-142		8020502	MS	05-Feb-18	8015B	
Surrogate: 1-Chlorooctadecane			100 %	37.6-147		8020502	MS	05-Feb-18	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	<10.0		10.0	mg/kg wet	10	B802083	JDA	13-Feb-18	EPA300.0	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
15-Feb-18 11:27

SP 2 4' BGS H800344-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8020505	MS	06-Feb-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			115 %	72-148		8020505	MS	06-Feb-18	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			101 %	41-142		8020502	MS	05-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			102 %	37.6-147		8020502	MS	05-Feb-18	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	<10.0		10.0	mg/kg wet	10	B802083	JDA	13-Feb-18	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
15-Feb-18 11:27

SP 3 4' BGS H800344-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			116 %	72-148		8020505	MS	06-Feb-18	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
DRO >C10-C28*	62.7		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
EXT DRO >C28-C36	16.2		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
Surrogate: 1-Chlorooctane			98.1 %	41-142		8020502	MS	05-Feb-18	8015B	
Surrogate: 1-Chlorooctadecane			96.2 %	37.6-147		8020502	MS	05-Feb-18	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	10.6		10.0	mg/kg wet	10	B802083	JDA	13-Feb-18	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
15-Feb-18 11:27

SP 4 6' BGS H800344-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8020505	MS	06-Feb-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			115 %	72-148		8020505	MS	06-Feb-18	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			89.2 %	41-142		8020502	MS	05-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			87.8 %	37.6-147		8020502	MS	05-Feb-18	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	<10.0		10.0	mg/kg wet	10	B802083	JDA	13-Feb-18	EPA300.0	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
15-Feb-18 11:27

SP 5 4' BGS H800344-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8020505	MS	06-Feb-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			115 %	72-148		8020505	MS	06-Feb-18	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			83.4 %	41-142		8020502	MS	05-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			80.0 %	37.6-147		8020502	MS	05-Feb-18	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	<10.0		10.0	mg/kg wet	10	B802083	JDA	13-Feb-18	EPA300.0	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
15-Feb-18 11:27

SP 6 4' BGS H800344-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8020505	MS	06-Feb-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %	72-148		8020505	MS	06-Feb-18	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			107 %	41-142		8020502	MS	05-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			105 %	37.6-147		8020502	MS	05-Feb-18	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	<10.0		10.0	mg/kg wet	10	B802083	JDA	13-Feb-18	EPA300.0	
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
15-Feb-18 11:27

SP 7 4' BGS
H800344-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8020505	MS	06-Feb-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			115 %	72-148		8020505	MS	06-Feb-18	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			88.6 %	41-142		8020502	MS	05-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			88.6 %	37.6-147		8020502	MS	05-Feb-18	8015B	

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	<10.0		10.0	mg/kg wet	10	B802083	JDA	13-Feb-18	EPA300.0	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
15-Feb-18 11:27

SP 8 4' BGS H800344-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8020505	MS	06-Feb-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			<i>119 %</i>	<i>72-148</i>		<i>8020505</i>	<i>MS</i>	<i>06-Feb-18</i>	<i>8021B</i>	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			<i>97.1 %</i>	<i>41-142</i>		<i>8020502</i>	<i>MS</i>	<i>05-Feb-18</i>	<i>8015B</i>	
<i>Surrogate: 1-Chlorooctadecane</i>			<i>96.9 %</i>	<i>37.6-147</i>		<i>8020502</i>	<i>MS</i>	<i>05-Feb-18</i>	<i>8015B</i>	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	25.1		10.0	mg/kg wet	10	B802083	JDA	13-Feb-18	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
15-Feb-18 11:27

SOUTH WALL SP 1
H800344-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8020505	MS	06-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8020505	MS	06-Feb-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			116 %	72-148		8020505	MS	06-Feb-18	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			75.9 %	41-142		8020502	MS	05-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			72.6 %	37.6-147		8020502	MS	05-Feb-18	8015B	

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	<10.0		10.0	mg/kg wet	10	B802083	JDA	13-Feb-18	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
15-Feb-18 11:27

NORTH WALL SP 1

H800344-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8020801	MS	08-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8020801	MS	08-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8020801	MS	08-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8020801	MS	08-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8020801	MS	08-Feb-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			<i>114 %</i>	<i>72-148</i>		<i>8020801</i>	<i>MS</i>	<i>08-Feb-18</i>	<i>8021B</i>	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			<i>77.6 %</i>	<i>41-142</i>		<i>8020502</i>	<i>MS</i>	<i>05-Feb-18</i>	<i>8015B</i>	
<i>Surrogate: 1-Chlorooctadecane</i>			<i>79.0 %</i>	<i>37.6-147</i>		<i>8020502</i>	<i>MS</i>	<i>05-Feb-18</i>	<i>8015B</i>	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	28.8		10.0	mg/kg wet	10	B802083	JDA	13-Feb-18	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
15-Feb-18 11:27

EAST WALL SP 1
H800344-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8020801	MS	08-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8020801	MS	08-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8020801	MS	08-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8020801	MS	08-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8020801	MS	08-Feb-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			115 %	72-148		8020801	MS	08-Feb-18	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8020502	MS	05-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			81.4 %	41-142		8020502	MS	05-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			81.4 %	37.6-147		8020502	MS	05-Feb-18	8015B	

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	14.1		10.0	mg/kg wet	10	B802083	JDA	13-Feb-18	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
15-Feb-18 11:27

EAST WALL SP 2

H800344-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8020801	MS	08-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8020801	MS	08-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8020801	MS	08-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8020801	MS	08-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8020801	MS	08-Feb-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			<i>118 %</i>	<i>72-148</i>		<i>8020801</i>	<i>MS</i>	<i>08-Feb-18</i>	<i>8021B</i>	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8020503	MS	06-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8020503	MS	06-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8020503	MS	06-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			<i>77.1 %</i>	<i>41-142</i>		<i>8020503</i>	<i>MS</i>	<i>06-Feb-18</i>	<i>8015B</i>	
<i>Surrogate: 1-Chlorooctadecane</i>			<i>71.9 %</i>	<i>37.6-147</i>		<i>8020503</i>	<i>MS</i>	<i>06-Feb-18</i>	<i>8015B</i>	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	<10.0		10.0	mg/kg wet	10	B802083	JDA	13-Feb-18	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
15-Feb-18 11:27

WEST WALL SP 1

H800344-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8020801	MS	08-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8020801	MS	08-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8020801	MS	08-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8020801	MS	08-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8020801	MS	08-Feb-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			110 %	72-148		8020801	MS	08-Feb-18	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8020503	MS	06-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8020503	MS	06-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8020503	MS	06-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			83.5 %	41-142		8020503	MS	06-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			79.4 %	37.6-147		8020503	MS	06-Feb-18	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	<10.0		10.0	mg/kg wet	10	B802083	JDA	13-Feb-18	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
15-Feb-18 11:27

WEST WALL SP 2
H800344-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8020801	MS	08-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8020801	MS	08-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8020801	MS	08-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8020801	MS	08-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8020801	MS	08-Feb-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			120 %	72-148		8020801	MS	08-Feb-18	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8020503	MS	06-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8020503	MS	06-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8020503	MS	06-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			82.3 %	41-142		8020503	MS	06-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			77.9 %	37.6-147		8020503	MS	06-Feb-18	8015B	

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	<10.0		10.0	mg/kg wet	10	B802083	JDA	14-Feb-18	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
15-Feb-18 11:27

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8020505 - Volatiles

Blank (8020505-BLK1)

Prepared: 05-Feb-18 Analyzed: 06-Feb-18

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.119		mg/kg	0.100		119	72-148			

LCS (8020505-BS1)

Prepared: 05-Feb-18 Analyzed: 06-Feb-18

Benzene	2.01	0.050	mg/kg	2.00		101	79.5-124			
Toluene	2.03	0.050	mg/kg	2.00		101	75.5-127			
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	77.7-125			
Total Xylenes	5.89	0.150	mg/kg	6.00		98.2	70.9-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.114		mg/kg	0.100		114	72-148			

LCS Dup (8020505-BSD1)

Prepared: 05-Feb-18 Analyzed: 06-Feb-18

Benzene	2.01	0.050	mg/kg	2.00		101	79.5-124	0.00179	6.5	
Toluene	2.04	0.050	mg/kg	2.00		102	75.5-127	0.682	7.02	
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	77.7-125	0.775	7.83	
Total Xylenes	5.93	0.150	mg/kg	6.00		98.9	70.9-124	0.632	7.78	
Surrogate: 4-Bromofluorobenzene (PID)	0.113		mg/kg	0.100		113	72-148			

Batch 8020801 - Volatiles

Blank (8020801-BLK1)

Prepared & Analyzed: 08-Feb-18

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.115		mg/kg	0.100		115	72-148			

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
15-Feb-18 11:27

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8020801 - Volatiles

LCS (8020801-BS1)

Prepared & Analyzed: 08-Feb-18

Benzene	2.27	0.050	mg/kg	2.00		114	79.5-124			
Toluene	2.29	0.050	mg/kg	2.00		115	75.5-127			
Ethylbenzene	2.30	0.050	mg/kg	2.00		115	77.7-125			
Total Xylenes	6.66	0.150	mg/kg	6.00		111	70.9-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.112		mg/kg	0.100		112	72-148			

LCS Dup (8020801-BS1)

Prepared & Analyzed: 08-Feb-18

Benzene	2.30	0.050	mg/kg	2.00		115	79.5-124	1.13	6.5	
Toluene	2.33	0.050	mg/kg	2.00		116	75.5-127	1.39	7.02	
Ethylbenzene	2.34	0.050	mg/kg	2.00		117	77.7-125	1.71	7.83	
Total Xylenes	6.79	0.150	mg/kg	6.00		113	70.9-124	1.88	7.78	
Surrogate: 4-Bromofluorobenzene (PID)	0.115		mg/kg	0.100		115	72-148			

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Celestine D. Keene

Celestine D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
15-Feb-18 11:27

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8020502 - General Prep - Organics

Blank (8020502-BLK1)

Prepared & Analyzed: 05-Feb-18

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	39.0		mg/kg	50.0		78.0	41-142			
Surrogate: 1-Chlorooctadecane	37.2		mg/kg	50.0		74.5	37.6-147			

LCS (8020502-BS1)

Prepared & Analyzed: 05-Feb-18

GRO C6-C10	178	10.0	mg/kg	200		89.2	76.5-133			
DRO >C10-C28	176	10.0	mg/kg	200		88.0	72.9-138			
Total TPH C6-C28	354	10.0	mg/kg	400		88.6	78-132			
Surrogate: 1-Chlorooctane	45.2		mg/kg	50.0		90.5	41-142			
Surrogate: 1-Chlorooctadecane	43.1		mg/kg	50.0		86.3	37.6-147			

LCS Dup (8020502-BSD1)

Prepared & Analyzed: 05-Feb-18

GRO C6-C10	177	10.0	mg/kg	200		88.4	76.5-133	0.847	20.6	
DRO >C10-C28	179	10.0	mg/kg	200		89.5	72.9-138	1.67	20.6	
Total TPH C6-C28	356	10.0	mg/kg	400		89.0	78-132	0.409	18	
Surrogate: 1-Chlorooctane	44.1		mg/kg	50.0		88.1	41-142			
Surrogate: 1-Chlorooctadecane	42.3		mg/kg	50.0		84.6	37.6-147			

Batch 8020503 - General Prep - Organics

Blank (8020503-BLK1)

Prepared & Analyzed: 05-Feb-18

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	51.7		mg/kg	50.0		103	41-142			
Surrogate: 1-Chlorooctadecane	51.1		mg/kg	50.0		102	37.6-147			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
15-Feb-18 11:27

Petroleum Hydrocarbons by GC FID - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8020503 - General Prep - Organics
LCS (8020503-BS1)

Prepared & Analyzed: 05-Feb-18

GRO C6-C10	210	10.0	mg/kg	200		105	76.5-133			
DRO >C10-C28	207	10.0	mg/kg	200		104	72.9-138			
Total TPH C6-C28	418	10.0	mg/kg	400		104	78-132			
Surrogate: 1-Chlorooctane	52.1		mg/kg	50.0		104	41-142			
Surrogate: 1-Chlorooctadecane	51.8		mg/kg	50.0		104	37.6-147			

LCS Dup (8020503-BS1)

Prepared & Analyzed: 05-Feb-18

GRO C6-C10	202	10.0	mg/kg	200		101	76.5-133	4.20	20.6	
DRO >C10-C28	190	10.0	mg/kg	200		95.0	72.9-138	8.79	20.6	
Total TPH C6-C28	391	10.0	mg/kg	400		97.9	78-132	6.46	18	
Surrogate: 1-Chlorooctane	50.3		mg/kg	50.0		101	41-142			
Surrogate: 1-Chlorooctadecane	49.4		mg/kg	50.0		98.8	37.6-147			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
15-Feb-18 11:27

Soluble (DI Water Extraction) - Quality Control

Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B802083 - General Prep - Wet Chem

Blank (B802083-BLK1)

Prepared: 12-Feb-18 Analyzed: 13-Feb-18

Chloride	ND	1.00	mg/kg wet
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LCS (B802083-BS1)

Prepared: 12-Feb-18 Analyzed: 13-Feb-18

Chloride	243	10.0	mg/kg wet	250	97.2	85-115
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LCS Dup (B802083-BSD1)

Prepared: 12-Feb-18 Analyzed: 13-Feb-18

Chloride	244	10.0	mg/kg wet	250	97.5	85-115	0.337	20
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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

BILL TO

Company Name: **Hungry Horse, LLC**

Project Manager: **Vernon K. Black**

Address: **P.O. Box 1058**

City: **Hobbs** State: **NM** Zip: **88241**

Phone #: **575-393-8388** Fax #: **575-391-4585**

Project #: _____ Project Owner: _____

Project Name: **Hobbs Truck Station**

Project Location: **1st County**

Sampler Name: **Alberto Baraza**

P.O. #:

Company:

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

FOR LAB USE ONLY

Sample I.D.

Lab I.D.
H880344

Floor Samples

1 SP1 4' BGS
2 SP2 4' BGS
3 SP3 4' BGS
4 SP4 6' BGS
5 SP5 4' BGS
6 SP6 4' BGS
7 SP7 4' BGS
8 SP8 4' BGS

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

MATRIX

PRESERV

SAMPLING

DATE

TIME

2-1-8

2:00

2:10

2:20

2:30

2:40

2:50

3:00

3:10

CI 300
TPH Ext
BTEx

Relinquished By:

Albert Baraza

Date: **2-1-8**

Received By:

Albert Baraza

Relinquished By:

Time:

Delivered By: (Circle One)

20.00

Sampler - UPS - Bus - Other:

Consult 20.00

Sample Condition
Cool ☒ Intact ☐

CHECKED BY:
(Initials)
Y0 #8

Phone Result:

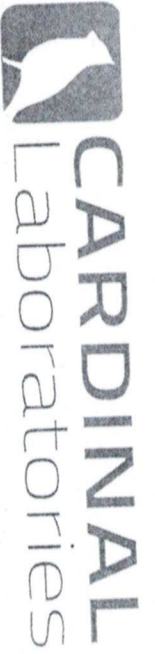
☐ Yes ☐ No

☐ Yes ☐ No

Add'l Phone #:

Add'l Fax #:

REMARKS:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

ANALYSIS REQUEST

BILL TO

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

Company Name: **Hungry Horse, LLC**

Project Manager: **Vernon K. Black**

Address: **P.O. Box 1058**

City: **Hobbs** State: **NM** Zip: **88241**

Phone #: **575-393-3381** Fax #: **575-891-4585**

Project #: **Hobbs Truck Station** Project Owner: **Holly Trans.**

Project Name: **Hobbs Truck Station**

Project Location: **Lea County**

Sampler Name: **Alberto Baraza**

FOR LAB USE ONLY

MATRIX

PRESERV

SAMPLING

Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

2-1-16 1:10

1:15

1:35

1:30

1:45

1:50

Lab I.D. 460344
Sample I.D. 10111314
South wall SP1
North wall SP1
East wall SP1
East wall SP2
West wall SP2
West wall SP2

300
BTX
PH Ext

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Relinquished By:

Date: 2-1-16

Received By:

Relinquished By:

Date:

Received By:

Time:

Delivered By: (Circle One)

30.2

Sampler - UPS - Bus - Other:

Permitted 20.25

Sample Condition

Cool Intact

Yes ☒ No ☐

CHECKED BY:

(Initials)

TE #75

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

February 21, 2018

VERNON BLACK

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: HOBBS TS

Enclosed are the results of analyses for samples received by the laboratory on 02/15/18 15:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585Reported:
21-Feb-18 16:34

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP 1 5' BGS	H800482-01	Soil	09-Feb-18 10:10	15-Feb-18 15:39
SP 2 5' BGS	H800482-02	Soil	09-Feb-18 10:20	15-Feb-18 15:39
SP 3 5' BGS	H800482-03	Soil	09-Feb-18 10:30	15-Feb-18 15:39
SP 4 7' BGS	H800482-04	Soil	09-Feb-18 10:40	15-Feb-18 15:39
SP 5 5' BGS	H800482-05	Soil	09-Feb-18 10:50	15-Feb-18 15:39
SP 6 5' BGS	H800482-06	Soil	09-Feb-18 11:00	15-Feb-18 15:39
SP 7 5' BGS	H800482-07	Soil	09-Feb-18 11:10	15-Feb-18 15:39
SP 8 5' BGS	H800482-08	Soil	09-Feb-18 11:20	15-Feb-18 15:39

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
21-Feb-18 16:34

SP 1 5' BGS H800482-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			111 %		72-148	8021514	MS	15-Feb-18	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
Surrogate: 1-Chlorooctane			77.3 %		41-142	8021508	MS	16-Feb-18	8015B	
Surrogate: 1-Chlorooctadecane			78.1 %		37.6-147	8021508	MS	16-Feb-18	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	<10.0		10.0	mg/kg wet	10	B802142	JDA	20-Feb-18	EPA300.0	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
21-Feb-18 16:34

SP 2 5' BGS H800482-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8021514	MS	15-Feb-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	72-148		8021514	MS	15-Feb-18	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			87.6 %	41-142		8021508	MS	16-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			82.9 %	37.6-147		8021508	MS	16-Feb-18	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	<10.0		10.0	mg/kg wet	10	B802142	JDA	20-Feb-18	EPA300.0	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
21-Feb-18 16:34

SP 3 5' BGS H800482-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8021514	MS	15-Feb-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %	72-148		8021514	MS	15-Feb-18	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			83.8 %	41-142		8021508	MS	16-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			81.9 %	37.6-147		8021508	MS	16-Feb-18	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	<10.0		10.0	mg/kg wet	10	B802142	JDA	20-Feb-18	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
21-Feb-18 16:34

SP 4 7' BGS H800482-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8021514	MS	15-Feb-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			115 %	72-148		8021514	MS	15-Feb-18	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			92.9 %	41-142		8021508	MS	16-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			88.5 %	37.6-147		8021508	MS	16-Feb-18	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	<10.0		10.0	mg/kg wet	10	B802142	JDA	20-Feb-18	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
21-Feb-18 16:34

SP 5 5' BGS
H800482-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8021514	MS	15-Feb-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			<i>115 %</i>	<i>72-148</i>		<i>8021514</i>	<i>MS</i>	<i>15-Feb-18</i>	<i>8021B</i>	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			<i>91.9 %</i>	<i>41-142</i>		<i>8021508</i>	<i>MS</i>	<i>16-Feb-18</i>	<i>8015B</i>	
<i>Surrogate: 1-Chlorooctadecane</i>			<i>89.5 %</i>	<i>37.6-147</i>		<i>8021508</i>	<i>MS</i>	<i>16-Feb-18</i>	<i>8015B</i>	

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	<10.0		10.0	mg/kg wet	10	B802142	JDA	20-Feb-18	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
21-Feb-18 16:34

SP 6 5' BGS H800482-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8021514	MS	15-Feb-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			115 %	72-148		8021514	MS	15-Feb-18	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			89.2 %	41-142		8021508	MS	16-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			88.9 %	37.6-147		8021508	MS	16-Feb-18	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	<10.0		10.0	mg/kg wet	10	B802142	JDA	20-Feb-18	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
21-Feb-18 16:34

SP 7 5' BGS H800482-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8021514	MS	15-Feb-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %	72-148		8021514	MS	15-Feb-18	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			84.8 %	41-142		8021508	MS	16-Feb-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			83.6 %	37.6-147		8021508	MS	16-Feb-18	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	<10.0		10.0	mg/kg wet	10	B802142	JDA	20-Feb-18	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
21-Feb-18 16:34

SP 8 5' BGS H800482-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8021514	MS	15-Feb-18	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			116 %	72-148		8021514	MS	15-Feb-18	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8021508	MS	16-Feb-18	8015B	
Surrogate: 1-Chlorooctane			93.5 %	41-142		8021508	MS	16-Feb-18	8015B	
Surrogate: 1-Chlorooctadecane			90.7 %	37.6-147		8021508	MS	16-Feb-18	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	22.9		10.0	mg/kg wet	10	B802142	JDA	21-Feb-18	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
21-Feb-18 16:34

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8021514 - Volatiles

Blank (8021514-BLK1)

Prepared & Analyzed: 15-Feb-18

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.110		mg/kg	0.100		110	72-148			

LCS (8021514-BS1)

Prepared & Analyzed: 15-Feb-18

Benzene	2.00	0.050	mg/kg	2.00		100	79.5-124			
Toluene	1.99	0.050	mg/kg	2.00		99.3	75.5-127			
Ethylbenzene	1.99	0.050	mg/kg	2.00		99.3	77.7-125			
Total Xylenes	5.77	0.150	mg/kg	6.00		96.1	70.9-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.113		mg/kg	0.100		113	72-148			

LCS Dup (8021514-BS1)

Prepared & Analyzed: 15-Feb-18

Benzene	2.00	0.050	mg/kg	2.00		99.9	79.5-124	0.112	6.5	
Toluene	1.98	0.050	mg/kg	2.00		98.8	75.5-127	0.452	7.02	
Ethylbenzene	1.97	0.050	mg/kg	2.00		98.4	77.7-125	0.916	7.83	
Total Xylenes	5.71	0.150	mg/kg	6.00		95.1	70.9-124	1.08	7.78	
Surrogate: 4-Bromofluorobenzene (PID)	0.112		mg/kg	0.100		112	72-148			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
P.O. Box 1058
Hobbs NM, 88240

Project: HOBBS TS
Project Number: HOBBS TRUCK STATION
Project Manager: VERNON BLACK
Fax To: (505) 391-4585

Reported:
21-Feb-18 16:34

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8021508 - General Prep - Organics

Blank (8021508-BLK1)

Prepared: 15-Feb-18 Analyzed: 16-Feb-18

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	41.0		mg/kg	50.0		82.0	41-142			
Surrogate: 1-Chlorooctadecane	42.0		mg/kg	50.0		84.0	37.6-147			

LCS (8021508-BS1)

Prepared: 15-Feb-18 Analyzed: 16-Feb-18

GRO C6-C10	179	10.0	mg/kg	200		89.7	76.5-133			
DRO >C10-C28	210	10.0	mg/kg	200		105	72.9-138			
Total TPH C6-C28	389	10.0	mg/kg	400		97.3	78-132			
Surrogate: 1-Chlorooctane	42.5		mg/kg	50.0		85.1	41-142			
Surrogate: 1-Chlorooctadecane	44.6		mg/kg	50.0		89.2	37.6-147			

LCS Dup (8021508-BSD1)

Prepared: 15-Feb-18 Analyzed: 16-Feb-18

GRO C6-C10	178	10.0	mg/kg	200		89.1	76.5-133	0.681	20.6	
DRO >C10-C28	202	10.0	mg/kg	200		101	72.9-138	3.47	20.6	
Total TPH C6-C28	381	10.0	mg/kg	400		95.2	78-132	2.17	18	
Surrogate: 1-Chlorooctane	42.8		mg/kg	50.0		85.5	41-142			
Surrogate: 1-Chlorooctadecane	44.7		mg/kg	50.0		89.4	37.6-147			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Hungry Horse Environmental
 P.O. Box 1058
 Hobbs NM, 88240

 Project: HOBBS TS
 Project Number: HOBBS TRUCK STATION
 Project Manager: VERNON BLACK
 Fax To: (505) 391-4585

 Reported:
 21-Feb-18 16:34

Soluble (DI Water Extraction) - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B802142 - General Prep - Wet Chem										
Blank (B802142-BLK1)										
Prepared: 19-Feb-18 Analyzed: 20-Feb-18										
Chloride	ND	1.00	mg/kg wet							
LCS (B802142-BS1)										
Prepared: 19-Feb-18 Analyzed: 20-Feb-18										
Chloride	241	10.0	mg/kg wet	250		96.3	85-115			
LCS Dup (B802142-BSD1)										
Prepared: 19-Feb-18 Analyzed: 20-Feb-18										
Chloride	241	10.0	mg/kg wet	250		96.4	85-115	0.108	20	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

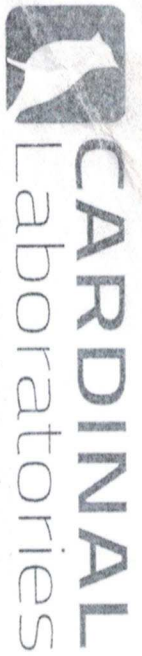
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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: <u>Hungry Horse, LLC</u>		P.O. #:		BILL TO		ANALYSIS REQUEST							
Project Manager: <u>Vernon K. Black</u>		Company:											
Address: <u>P.O. Box 1058</u>		Attn:											
City: <u>Hobbs</u>		Address:											
Phone #: <u>575-393-7381</u>		City:											
State: <u>NM</u>		State:											
Zip: <u>88241</u>		Zip:											
Project #:		Project Owner: <u>Holly</u>											
Project Name: <u>Hobbs Truck Station</u>		Phone #:											
Project Location:		Fax #:											
Sampler Name: <u>Alberto Baraza</u>													
FOR LAB USE ONLY													
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	MATRIX	PRESERV.	SAMPLING	DATE	TIME	BTEx	TPH Ext	CL 300
<u>H800482</u>	<u>Hobbs Truck Station</u>												
	<u>SP15' Bgs</u>												
	<u>SP25' Bgs</u>												
	<u>SP35' Bgs</u>												
	<u>SP47' Bgs</u>												
	<u>SP55' Bgs</u>												
	<u>SP65' Bgs</u>												
	<u>SP75' Bgs</u>												
	<u>SP85' Bgs</u>												
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Reinquinshed By: <u>Alberto Baraza</u>		Date: <u>2-15-18</u>		Received By: <u>Janora Clark</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		REMARKS: <u>Push!</u>			
Reinquinshed By:		Date:		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:					
Delivered By: (Circle One) <u>5.42</u>		Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact		CHECKED BY: <u>5.42</u>									
Sampler - UPS - Bus - Other: <u>Consolidated 5.42</u>		Time:		Received By:									