

AMARILLO 921 North Bivins Amarillo, Texas 79107 Phone 806.467.0607 Fax 806.467.0622

. ARTESIA 408 West Texas Ave. Artesia, New Mexico 88210 Phone 575.746.8768 Fax 575.748.8905

HOBBS 318 East Taylor Street Hobbs, New Mexico 88241 Phone 505.393.4261 Fax 505.393.4658

MIDLAND 2901 State Highway 349 Midland, Texas 79706 Phone 432.522.2133 Fax 432.522.2180

OKLAHOMA CITY 7700 North Hudson Ave Suite 10 Oklahoma City, Oklahoma 73116 Phone 405.486.7030 Fax 806.467.0622

> SAN ANTONIO 13111 Lookout Way San Antonio, TX 78233 Phone 210.265.8025 Fax 210.568.2191

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

July 29, 2014

Mr. Mike Bratcher **NMOCD District 2** 811 S. 1st Street Artesia, NM 88210

Subject:

Soil Assessment and Remediation Work Plan

Devon Energy

Strawberry 7 Federal No. 2

API#: 30-015-32375 2RP-2319

Dear Mr. Bratcher:

Devon Energy has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities consist of the following.

Incident Date

May 8, 2014

Background Information

The Strawberry 7 Federal No. 2 is located approximately thirty-eight (38) miles southeast of Artesia, New Mexico. The legal location for the site is Section 7, Township 19 South and Range 31 East in Eddy County, New Mexico. More Specifically the latitude and longitude for the location are 32.678618 North and 103.9058936 West. A site plan is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Potter-Simona complex with 5 to 25 percent slopes. The local surface and shallow geology, Quaternary Age sedimentary deposits, is comprised of loamy alluvium and eolian sands which include silty soils under lain by hard caliches. Drainage courses in this area are normally dry. According to the New Mexico State Engineer web site indicates the nearest ground water data to be in S19-T19S-R31E. The ground water in Section 19 is reported to be a depth of 180' below ground surface (bgs). See Appendix II for the referenced groundwater data.

The ranking for this site is 0 based on the following:

Depth to ground water >100'
Wellhead Protection Area >1000'
Distance to surface water body >1000'

Incident Description

On May 8, 2014 the man way plate on VRU tower leaked causing a release of 5 barrels of oil. The spill originated on the SE side of the facility inside the metal containment. The dike had a hole in it allowing approximately 80% of the spilled fluid to escape containment. A vac truck was immediately called to the location and recovered 4.5 barrels of fluid.

Actions Taken

On May 27, 2014 Talon mobilized personnel to begin the site assessment and soil sampling activities for the construction of a work plan. Grab soil samples were collected utilizing a hand auger to a depth of 3-feet below ground surface.

All soil samples were collected by Talon personnel wearing clean nitrile gloves. The soil samples were placed in laboratory provided sample containers, iced and transported to Cardinal Laboratories in Hobbs, New Mexico for analysis. The samples were tested for TPH (Total Petroleum Hydrocarbons) using EPA Method 8015M, and volatile organics (BTEX) using EPA Method 8021B. The chloride samples were analyzed per Method SM4500Cl-B.

Laboratory Results

See Appendix III for complete report of laboratory results.

June 5, 2014

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	0,	183	48	2900	9810
	1'	496	64	4170	6230
	2'	734	32	5460	6240
	3'	866	32	6300	8960
S-2	0,	212	80	1230	2910
	1'	585	144	3890	5240
	2'	648	448	5990	7220
	3'	861	736	8560	10400
S-3	0'	1050	2520	6510	15600
	1'	483	1100	4990	11600
	2'	343	2040	3900	6400
	3'	351	720	3650	5960

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
B-1	5'	65.7	112	801	3960
	10'	< 0.300	32	<10	<10
	15'	0.481	96	16.8	252
	20'	< 0.300	80	<10	133
S-4	0'	42	32	<529	17700
	1'	415	<16	4690	11500
S-5	0'	20.8	112	307	13500
Refusal	0.5'	157	<16	2030	15400.

Based upon the site ranking of 0, NMOCD Recommended Remedial Action Levels (RRAL's) are 50 mg/kg for BTEX, 10 mg for Benzene, and 5,000 mg/kg for TPH.

Proposed Remedial Actions

- At the beginning of the project, test pits will be excavated at sample location S-4 and S-5 for further vertical delineation purposes in these areas. The samples will be field tested using the PID meter and followed up with laboratory confirmation analysis. The test pits will be backfilled until lab results are obtained.
- Upon receipt of the lab analysis for the additional samples at S-4 and S-5, the results will be immediately forwarded to the NMOCD. Should the analytical results indicate the contamination extends to 4-feet deep or less, the areas will be excavated and confirmed with lab analysis on the sidewalls. Should the contamination extend deeper than 4-feet, upon NMOCD approval a liner will be installed and the excavation backfilled with clean topsoil and seeded.
- The impacted area around the heater treater and under the steel flow lines will be hand-excavated to the best extent reasonable, feasible and as safely as possible to a depth of 3-feet. The area will then be treated with either high nitrogen fertilizer or mircoblaze as bioremediation agents. Confirmation samples will be collected after 60 to 90 days to verify effectiveness of treatment. Multiple applications may be needed inside the battery depending on the analytical results.
- All the contaminated soil will be transported to an approved disposal facility.
- Upon NMOCD and BLM approval of the confirmation samples, the excavated areas will be backfilled with new soil, re-contoured to match the surrounding area and the berms will be reconstructed as needed.
- The area off location will be seeded using the recommended BLM seed mix.
- A final closure report documenting all remedial actions and analytical results will be provided to the NMOCD Artesia Office and the BLM along with a Final C-141 Form.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768

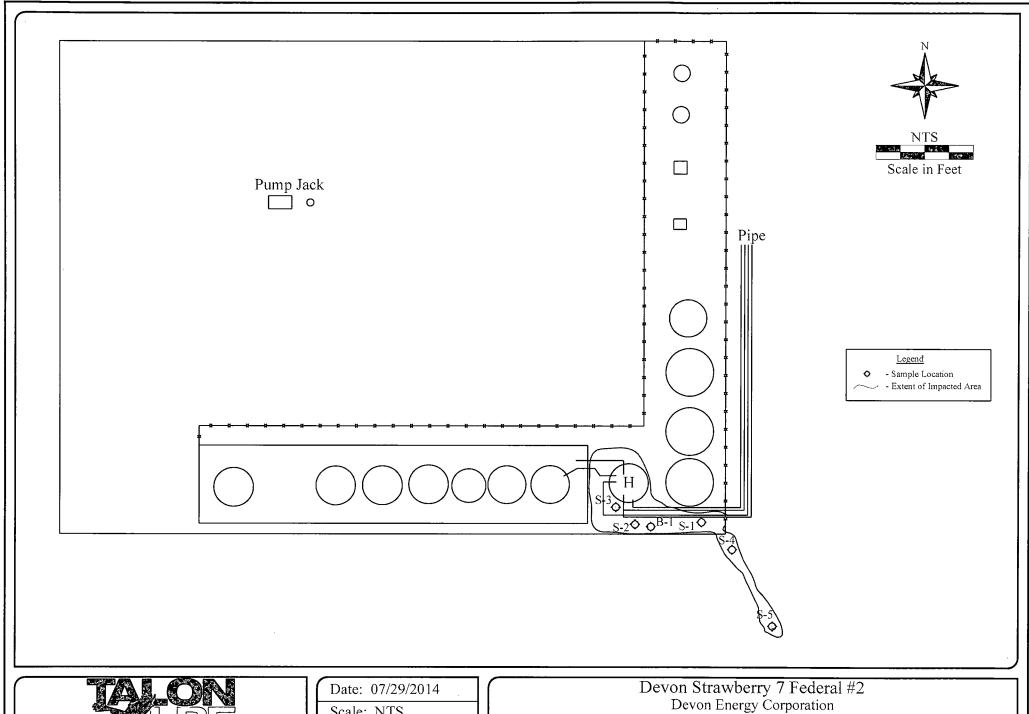
Respectfully submitted,

Project Manager

David J. Adkins

District Manager

APPENDIX I SITE MAP





Scale: NTS

Drawn By: TJS

Devon Energy Corporation Eddy County, New Mexico

Figure 1 - Site Plan

APPENDIX II GROUNDWATER DATA INITIAL C-141



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned,

C=the file is

closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

	PÓD					• •	•		<u> </u>	· · · ·	
	Sub-	<u>Q</u> Q Q							Depth	Depth	Water
POD Number	Code basin County	64 16 4	Sec	Tws	Rng	X	Y	Distance	Well	Water	Column
<u>CP 00873</u>	ED	1 1	19	19S	31E	601772	3613147* 🕥	3493	340	180	160
CP 00829	LE	2 4	16	198	31E	606165	3614009* 🕥	4164	120		

Average Depth to Water:

180 feet

Minimum Depth:

180 feet

Maximum Depth:

180 feet

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 602814

Northing (Y): 3616481

Radius: 5000

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

- "·			Rele	ease Notific	catio	on and Co	rrective A	ction			
						OPERA'	ГOR		al Report		Final Report
		evon Energy				Contact Ru	ıdy Zuniga				
		Artesia, NN					No. 575- 390-54	35			
Facility Nar	ne Strawb	erry 7 Fede	eral 2			Facility Typ	e Oil				
Surface Ow	ner Federa	ıl .		Mineral C	Owner	Federal		API No	. 30-015-3	32375)
				LOCA	ATIC	ON OF REI	LEASE				
Unit Letter	Section	Township	Range	Feet from the	Nor	th/South Line	Feet from the	East/West Line	County		
В	7	19S	31E	1300		North	1750	East	Eddy		
<u> </u>			Latitu	ıde: 32.6784612	2	Lo	ngitude: -103.9	052978			
				NAT	ruri	E OF RELI	EASE				
Type of Rele	ase Spill	Oil .	-	•		Volume of	Release 5 BBLS		Recovered 4	1.5BB	LS
Source of Re	lease						lour of Occurrence		Hour of Dis		у
117 T 11	. 37 (o					14 11:20 AM	May 8, 20	014 11:20 A	M	
Was Immedi	ate Notice (Yes [No Not R	equire	If YES, To d Jeff Robert		ce Bratcher/ OCD			
By Whom? F	Randy Glade	den; Assistant	Productio	n Foreman		Date and H	Iour May 8, 2014	12:45 PM & 2:00	PM		
Was a Water	course Read		Yes 🗵] No		If YES, Vo	olume Impacting t	he Watercourse.			,
	ırse was Im	pacted, Descr						<u> </u>			
N/A	and of Drobl	em and Reme	dial Astis	n Talvan *			· · ·				
				n raken." we been complete	ed.						
			•	•							
		and Cleanup A						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
4.5 BBLS of	the 5BBLS	oil lost were	recovered	by Arapahoe Tru	cking	by vacuum truc	k on May 8, 2014	1. The spill original	ted on the Sl	E side	of the well
testing	ntainment.	The dike had	a noie in i	t allowing approx	imatel	y 80% of the sp	oilled fluid to esca	pe containment. S	oil samples l	have b	been taken for
l											
I hereby certi	fy that the	information ai	ven above	is true and comm	loto to	the best of my	Irmoval adap and w	nderstand that purs		OOD	11
								nderstand that purs			
public health	or the envi	ronment. The	acceptano	ce of a C-141 repo	ort by t	the NMOCD m	arked as "Final R	eport" does not rel	ieve the ope	rator o	of liability
should their of	perations h	ave failed to a	adequately	investigate and r	emedi	ate contaminati	on that pose a thr	eat to ground water	r, surface wa	iter, h	uman health
or the environ	nment. In a	ddition, NMC	OCD accep	tance of a C-141	report	does not reliev	e the operator of	responsibility for c	ompliance v	vith ar	ny other
rederal, state,	or local lav	ws and/or regu	nations.			1	OII COM	CEDALATION	DIVIGIO) N. T.	
Signature: So	andra i	Farley					OIL CON	SERVATION	DIAIDIC	<u> </u>	
Printed Name	: Sandra F	arley				Approved by	Environmental S	pecialist:			
Title: Field A	dmin Sup	port				Approval Dat	e:	Expiration	Date:		
E-mail Addre	ss: Sandy.	Farley@dvn.c	com			Conditions of	Approval:				
							,		Attached	Ш	
Date: May 2		- L- TCXT		575.746.5587				····	<u></u>		
* Attach Addi	nonal She	ets II Necess	ary								

APPENDIX III LABORATORY RESULTS



June 05, 2014

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: STRAWABERRY 7-2 H

Enclosed are the results of analyses for samples received by the laboratory on 05/28/14 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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/qa/lab accred certif.html.

Cardinal Laboratories is accreditated 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 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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



TALON LPE
KIMBERLY WILSON
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:

05/28/2014

Sampling Date:

05/27/2014

Reported:

06/05/2014

Sampling Type:

Soil

Project Name:

STRAWABERRY 7-2 H

Sampling Condition:

Cool & Intact

Project Number:

700794.108.01

Sample Received By:

Celey D. Keene

Project Location:

Sample ID: S-1 0' (H401642-01)

B-7-19S-31E

•

BTEX 8260B	mg/	kg	Analyze	d By: ms					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.36	1.00	06/04/2014	ND	2.05	103	2.00	9.77	
Toluene*	45.6	1.00	06/04/2014	ND	2.06	103	2.00	8.38	
Ethylbenzene*	36.9	1.00	06/04/2014	ND	2.01	100	2.00	5.63	
Total Xylenes*	96.9	3.00	06/04/2014	ND	5.99	99.8	6.00	6.95	
Total BTEX	183	6.00	06/04/2014	ND					
Surrogate: Dibromofluoromethane	94.6	% 61.3-14	2						
Surrogate: Toluene-d8	101 %	6 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	148 %	65.7-14	1						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/04/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					5-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2900	50.0	06/02/2014	ND	202	101	200	2.27	
DRO >C10-C28	9810	50.0	06/02/2014	ND	225	112	200	5.41	
Surrogate: 1-Chlorooctane	167 9	65.2-14	0	· - // 1// / ·					
Surrogate: 1-Chlorooctadecane	205 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and dient's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene



TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received: Reported: 05/28/2014

06/05/2014

Project Name:

STRAWABERRY 7-2 H

Project Number:

700794.108.01

Project Location:

B-7-19S-31E

Sampling Date:

05/27/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Celey D. Keene

Sample ID: S-1 1' (H401642-02)

BTEX 8260B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	23.8	5.00	06/05/2014	ND	1.98	99.1	2.00	8.57	
Toluene*	200	5.00	06/05/2014	ND	1.95	97.6	2.00	10.8	
Ethylbenzene*	83.2	5.00	06/05/2014	ND	1.86	93.0	2.00	11.6	
Total Xylenes*	189	15.0	06/05/2014	ND	5.64	94.0	6.00	12.4	
Total BTEX	496	30.0	06/05/2014	ND					
Surrogate: Dibromofluoromethane	97.7	% 61.3-14	2						
Surrogate: Toluene-d8	112	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	125	% 65.7-14	'1						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/04/2014	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4170	50.0	06/02/2014	ND	202	101	200	2.27	
DRO >C10-C28	6230	50.0	06/02/2014	ND	225	112	200	5.41	
Surrogate: 1-Chlorooctane	147	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	171	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negigence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210 (575) 745-8905

Received:

05/28/2014

Sampling Date:

05/27/2014

Reported:

06/05/2014

Sampling Type:

Soil

Project Name:

STRAWABERRY 7-2 H

Sampling Condition: Sample Received By: Cool & Intact Celey D. Keene

Project Number: Project Location: 700794.108.01 B-7-19S-31E

Sample ID: S-1 2' (H401642-03)

mg/kg		Analyze	Analyzed By: ms					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
42.3	5.00	06/04/2014	ND	1.98	99.1	2.00	8.57	
357	5.00	06/04/2014	ND	1.95	97.6	2.00	10.8	
107	5.00	06/04/2014	ND	1.86	93.0	2.00	11.6	
227	15.0	06/04/2014	ND	5.64	94.0	6.00	12.4	
734	30.0	06/04/2014	ND					
81.8	% 61.3-14	12						
126	% 71.3-12	9						
112	% 65.7-14	11						
mg	/kg	Analyze	d By: AP					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
32.0	16.0	06/04/2014	ND	416	104	400	3.92	
mg	/kg	Analyze	d By: MS					S-04
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
5460	10.0	06/03/2014	ND	214	107	200	5.51	
6240	10.0	06/03/2014	ND	226	113	200	7.38	
147	% 65.2-14	10						
152	0/ 62 6 15	14						
	Result 42.3 357 107 227 734 81.8 126 112 mg Result 32.0 mg Result 5460 6240	42.3 5.00 357 5.00 107 5.00 227 15.0 734 30.0 81.8 % 61.3-14 126 % 71.3-12 112 % 65.7-14 mg/kg Result Reporting Limit 32.0 16.0 mg/kg Result Reporting Limit 5460 10.0 6240 10.0	Result Reporting Limit Analyzed 42.3 5.00 06/04/2014 357 5.00 06/04/2014 107 5.00 06/04/2014 227 15.0 06/04/2014 734 30.0 06/04/2014 81.8 % 61.3-142 126 % 71.3-129 112 % 65.7-141 mg/kg Analyzed 32.0 16.0 06/04/2014 mg/kg Analyzed Result Reporting Limit Analyzed 5460 10.0 06/03/2014 6240 10.0 06/03/2014 147 % 65.2-140	Result Reporting Limit Analyzed Method Blank 42.3 5.00 06/04/2014 ND 357 5.00 06/04/2014 ND 107 5.00 06/04/2014 ND 227 15.0 06/04/2014 ND 734 30.0 06/04/2014 ND 81.8 % 61.3-142 Analyzed By: AP Result Reporting Limit Analyzed Method Blank 32.0 16.0 06/04/2014 ND mg/kg Analyzed Method Blank 32.0 16.0 06/04/2014 ND Result Reporting Limit Analyzed Method Blank 5460 10.0 06/03/2014 ND 6240 10.0 06/03/2014 ND	Result Reporting Limit Analyzed Method Blank BS 42.3 5.00 06/04/2014 ND 1.98 357 5.00 06/04/2014 ND 1.95 107 5.00 06/04/2014 ND 1.86 227 15.0 06/04/2014 ND 5.64 734 30.0 06/04/2014 ND ND 81.8 % 61.3-142 65.7-141 ND Analyzed By: AP Result Reporting Limit Analyzed Method Blank BS 32.0 16.0 06/04/2014 ND 416 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS 5460 10.0 06/03/2014 ND 214 6240 10.0 06/03/2014 ND 226	Result Reporting Limit Analyzed Method Blank BS % Recovery 42.3 5.00 06/04/2014 ND 1.98 99.1 357 5.00 06/04/2014 ND 1.95 97.6 107 5.00 06/04/2014 ND 1.86 93.0 227 15.0 06/04/2014 ND 5.64 94.0 734 30.0 06/04/2014 ND 5.64 94.0 81.8 % 61.3-142 65.7-141 ND 416 94.0 Result Reporting Limit Analyzed By: AP Analyzed By: AP Analyzed By: AP Method Blank BS % Recovery 32.0 16.0 06/04/2014 ND 416 104 104 104 Method Blank BS % Recovery 5460 10.0 06/03/2014 ND 214 107 6240 10.0 06/03/2014 ND 226 113	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 42.3 5.00 06/04/2014 ND 1.98 99.1 2.00 357 5.00 06/04/2014 ND 1.95 97.6 2.00 107 5.00 06/04/2014 ND 1.86 93.0 2.00 227 15.0 06/04/2014 ND 5.64 94.0 6.00 734 30.0 06/04/2014 ND 5.64 94.0 6.00 81.8 % 61.3-142 I126 % 71.3-129 I112 % 65.7-141 mg/kg Analyzed By: AP Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 32.0 16.0 06/03/2014 ND 214 107 200 5460 10.0 06/03/2014 ND 214 107 200 5460 10.0 06/03/2014 ND 226 1	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 42.3 5.00 06/04/2014 ND 1.98 99.1 2.00 8.57 357 5.00 06/04/2014 ND 1.95 97.6 2.00 10.8 107 5.00 06/04/2014 ND 1.86 93.0 2.00 11.6 227 15.0 06/04/2014 ND 5.64 94.0 6.00 12.4 734 30.0 06/04/2014 ND ND 88.5

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



TALON LPE
KIMBERLY WILSON
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:

05/28/2014

06/05/2014

Project Name: Project Number:

Reported:

STRAWABERRY 7-2 H

Project Location:

700794.108.01 B-7-19S-31E Sampling Date:

05/27/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Celey D. Keene

Sample ID: S-1 3' (H401642-04)

BTEX 8260B	mg/kg		Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	43.2	10.0	06/05/2014	ND	1.98	99.1	2.00	8.57	
Toluene*	359	10.0	06/05/2014	·ND	1.95	97.6	2.00	10.8	
Ethylbenzene*	142	10.0	06/05/2014	ND	1.86	93.0	2.00	11.6	
Total Xylenes*	321	30.0	06/05/2014	ND	5.64	94.0	6.00	12.4	
Total BTEX	866	60.0	06/05/2014	ND					
Surrogate: Dibromofluoromethane	96.3	% 61.3-14	12				-		
Surrogate: Toluene-d8	102	% 71.3-12	29						
Surrogate: 4-Bromofluorobenzene	115	% 65.7-14	11						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/04/2014	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	6300	50.0	06/03/2014	ND	214	107	200	5.51	
DRO >C10-C28	8960	50.0	06/03/2014	ND	226	113	200	7.38	
Surrogate: 1-Chlorooctane	165	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	175	% 63.6-15	54						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Ubblitly and Damages. Cardinal's tability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed washed unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subclidates, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:

05/28/2014

05/27/2014

Reported:

06/05/2014

Sampling Date:

Soil

STRAWABERRY 7-2 H

Sampling Type: Sampling Condition:

Cool & Intact

Project Name:

Project Number: Project Location: 700794.108.01 B-7-19S-31E

Sample Received By:

Celey D. Keene

Sample ID: S-2 0' (H401642-05)

BTEX 8260B	mg,	/kg	Analyze	d By: ms					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.95	1.00	06/04/2014	ND	1.98	99.1	2.00	8.57	
Toluene*	79.5	1.00	06/04/2014	ND	1.95	97.6	2.00	10.8	
Ethylbenzene*	24.0	1.00	06/04/2014	ND	1.86	93.0	2.00	11.6	
Total Xylenes*	104	3.00	06/04/2014	ND	5.64	94.0	6.00	12.4	
Total BTEX	212	6.00	06/04/2014	ND					
Surrogate: Dibromofluoromethane	96.7	% 61.3-14	2						
Surrogate: Toluene-d8	110	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	152	% 65.7-14	7 .						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/04/2014	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1230	50.0	06/03/2014	ND	214	107	200	5.51	
DRO >C10-C28	2910	50.0	06/03/2014	ND	226	113	200	7.38	
Surrogate: 1-Chlorooctane	118	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	108	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waked unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without fimilation, business Interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This



TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:

05/28/2014

Reported:

06/05/2014

Project Name: Project Number: STRAWABERRY 7-2 H

Project Location:

700794.108.01

Sampling Date:

05/27/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Celey D. Keene

B-7-19S-31E

Sample ID: S-2 1' (H401642-06)

BTEX 8260B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	32.8	5.00	06/04/2014	ND	1.98	99.1	2.00	8.57	
Toluene*	194	5.00	06/04/2014	ND	1.95	97.6	2.00	10.8	
Ethylbenzene*	16.3	5.00	06/04/2014	ND	1.86	93.0	2.00	11.6	
Total Xylenes*	342	15.0	06/04/2014	ND	5.64	94.0	6.00	12.4	
Total BTEX	585	30.0	06/04/2014	ND					
Surrogate: Dibromofluoromethane	94.5	% 61.3-14	2						
Surrogate: Toluene-d8	104	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	125	% 65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/04/2014	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	3890	10.0	06/03/2014	ND	214	107	200	5.51	
DRO >C10-C28	5240	10.0	06/03/2014	ND	226	113	200	7.38	
Surrogate: 1-Chlorooctane	137	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	144	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Uability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210 (575) 745-8905

Received:

05/28/2014

06/05/2014

Sampling Date: Sampling Type: 05/27/2014

Reported:

Soil

Project Name:

STRAWABERRY 7-2 H

Sampling Condition:

Cool & Intact

Project Number:

700794.108.01

Sample Received By:

Celey D. Keene

Project Location:

B-7-19S-31E

Sample ID: S-2 2' (H401642-07)

BTEX 8260B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	58.0	10.0	06/05/2014	ND	1.98	99.1	2.00	8.57	
Toluene*	277	10.0	06/05/2014	ND	1.95	97.6	2.00	10.8	
Ethylbenzene*	89.4	10.0	06/05/2014	ND	1.86	93.0	2.00	11.6	
Total Xylenes*	224	30.0	06/05/2014	ND	5.64	94.0	6.00	12.4	
Total BTEX	648	60.0	06/05/2014	ND					
Surrogate: Dibromofluoromethane	95.6	% 61.3-14	2	,					
Surrogate: Toluene-d8	90.9	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	95.3	% 65.7-14	1						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	06/04/2014	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	5990	10.0	06/03/2014	ND	214	107	200	5.51	
DRO >C10-C28	7220	10.0	06/03/2014	ND	226	113	200	7.38	
Surrogate: 1-Chlorooctane	148	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	166	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

05/28/2014

Reported:

06/05/2014

Project Name:

STRAWABERRY 7-2 H

Project Number:

700794.108.01

Project Location:

B-7-19S-31E

Sampling Date:

05/27/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Celey D. Keene

Sample ID: S-2 3' (H401642-08)

BTEX 8260B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	78.1	10.0	06/05/2014	ND	1.98	99.1	2.00	8.57	
Toluene*	367	10.0	06/05/2014	ND	1.95	97.6	2.00	10.8	
Ethylbenzene*	116	10.0	06/05/2014	ND	1.86	93.0	2.00	11.6	
Total Xylenes*	300	30.0	06/05/2014	ND	5.64	94.0	6.00	12.4	
Total BTEX	861	60.0	06/05/2014	ND					
Surrogate: Dibromofluoromethane	98.1	% 61.3-14	'2						
Surrogate: Toluene-d8	95.0	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	122	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	06/04/2014	ND	416	104	400	3.92	
TPH 8015M	mg,	′kg	Analyze	d By: MS		1			S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	8560	50.0	06/03/2014	ND	214	107	200	5.51	
DRO >C10-C28	10400	50.0	06/03/2014	ND	226	113	200	7.38	
Surrogate: 1-Chlorooctane	202	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	212	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE MOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed washed unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential demages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subcidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210 (575) 745-8905

Received:

05/28/2014

Sampling Date:

05/27/2014

Reported:

06/05/2014

Sampling Type:

Soil

STRAWABERRY 7-2 H

Sampling Condition:

Cool & Intact

Project Name: Project Number:

700794.108.01

Project Location:

B-7-19S-31E

Sample Received By:

Celey D. Keene

Sample ID: S-3 0' (H401642-09)

BTEX 8260B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	45.0	5.00	06/04/2014	ND	1.98	99.1	2.00	8.57	
Toluene*	425	5.00	06/04/2014	ND	1.95	97.6	2.00	10.8	
Ethylbenzene*	181	5.00	06/04/2014	ND	1.86	93.0	2.00	11.6	
Total Xylenes*	397	15.0	06/04/2014	ND	5.64	94.0	6.00	12.4	
Total BTEX	1050	30.0	06/04/2014	ND					
Surrogate: Dibromofluoromethane	92.9	% 61.3-14	2				10 10 10 10 10 10 10 10 10 10 10 10 10 1		
Surrogate: Toluene-d8	105	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	132	% 65.7-14	1						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	2520	16.0	06/04/2014	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	6510	50.0	06/03/2014	ND	214	107	200	5.51	
DRO >C10-C28	15600	50.0	06/03/2014	ND	226	113	200	7.38	
Surrogate: 1-Chlorooctane	203	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	295	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:

05/28/2014

Reported:

06/05/2014

Project Name:

STRAWABERRY 7-2 H

Project Number:

700794.108.01

Project Location:

B-7-19S-31E

Sampling Date:

05/27/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Celey D. Keene

Sample ID: S-3 1' (H401642-10)

BTEX 8260B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	27.2	5.00	06/04/2014	ND	1.98	99.1	2.00	8.57	
Toluene*	193	5.00	06/04/2014	ND	1.95	97.6	2.00	10.8	
Ethylbenzene*	85.8	5.00	06/04/2014	ND	1.86	93.0	2.00	11.6	
Total Xylenes*	177	15.0	06/04/2014	ND	5.64	94.0	6.00	12.4	
Total BTEX	483	30.0	06/04/2014	ND					
Surrogate: Dibromofluoromethane	95.1	% 61.3-14	2						
Surrogate: Toluene-d8	104	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	120	% 65.7-14	I						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	1100	16.0	06/04/2014	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	4990	50.0	06/03/2014	ND	214	107	200	5.51	
DRO >C10-C28	11600	50.0	06/03/2014	ND	226	113	200	7.38	
Surrogate: 1-Chlorooctane	181	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	211	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, necluding, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its substitations, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

(575) 745-8905

Received:

05/28/2014

Sampling Date:

05/27/2014

Reported:

06/05/2014

Sampling Type:

Soil

Project Name:

STRAWABERRY 7-2 H

Sampling Condition:

Cool & Intact

Project Number:

700794.108.01

Sample Received By:

Celey D. Keene

Project Location:

B-7-19S-31E

Sample ID: S-3 2' (H401642-11)

nig	/kg	Analyze	d By: ms					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
12.3	5.00	06/04/2014	ND	1.98	99.1	2.00	8.57	
122	5.00	06/04/2014	ND	1.95	97.6	2.00	10.8	
63.8	5.00	06/04/2014	ND	1.86	93.0	2.00	11.6	
145	15.0	06/04/2014	ND	5.64	94.0	6.00	12.4	
343	30.0	06/04/2014	ND					
97.0	% 61.3-14	12						
99.1	% 71.3-12	29						
115	% 65.7-14	(1						
mg	/kg	Analyze	d By: AP					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
2040	16.0	06/04/2014	ND	416	104	400	3.92	
mg	/kg	Analyze	d By: MS					S-04
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
3900	10.0	06/03/2014	ND	214	107	200	5.51	
6400	10.0	06/03/2014	ND	226	113	200	7.38	
	12.3 122 63.8 145 343 97.0 99.1 115 mg, Result 2040 mg,	12.3 5.00 122 5.00 63.8 5.00 145 15.0 343 30.0 97.0 % 61.3-14 99.1 % 71.3-12 115 % 65.7-14 mg/kg Result Reporting Limit 2040 16.0 mg/kg Result Reporting Limit	12.3 5.00 06/04/2014 122 5.00 06/04/2014 63.8 5.00 06/04/2014 145 15.0 06/04/2014 343 30.0 06/04/2014 97.0 % 61.3-142 65.7-141 mg/kg Analyzed Result Reporting Limit Analyzed 2040 16.0 06/04/2014 mg/kg Analyzed Result Reporting Limit Analyzed	12.3 5.00 06/04/2014 ND 122 5.00 06/04/2014 ND 63.8 5.00 06/04/2014 ND 145 15.0 06/04/2014 ND 343 30.0 06/04/2014 ND 97.0 % 61.3-142 99.1 % 71.3-129 Analyzed By: AP Result Reporting Limit Analyzed Method Blank 2040 16.0 06/04/2014 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank	12.3 5.00 06/04/2014 ND 1.98 122 5.00 06/04/2014 ND 1.95 63.8 5.00 06/04/2014 ND 1.86 145 15.0 06/04/2014 ND 5.64 343 30.0 06/04/2014 ND ND 97.0 % 61.3-142 99.1 % 71.3-129 Analyzed By: AP Result Reporting Limit Analyzed Method Blank BS 2040 16.0 06/04/2014 ND 416 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS	12.3 5.00 06/04/2014 ND 1.98 99.1 122 5.00 06/04/2014 ND 1.95 97.6 63.8 5.00 06/04/2014 ND 1.86 93.0 145 15.0 06/04/2014 ND 5.64 94.0 343 30.0 06/04/2014 ND ND 40.0 97.0 % 61.3-142 99.1 % 71.3-129 71.3-129 71.3-129 115 % 65.7-141 Analyzed By: AP Result Reporting Limit Analyzed Method Blank BS % Recovery 2040 16.0 06/04/2014 ND 416 104 mg/kg Analyzed By: MS	12.3 5.00 06/04/2014 ND 1.98 99.1 2.00 122 5.00 06/04/2014 ND 1.95 97.6 2.00 63.8 5.00 06/04/2014 ND 1.86 93.0 2.00 145 15.0 06/04/2014 ND 5.64 94.0 6.00 343 30.0 06/04/2014 ND ND 4.00 6.00 97.0 % 61.3-142 99.1 % 71.3-129 1115 % 65.7-141 mg/kg Analyzed By: AP Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 2040 16.0 06/04/2014 ND 416 104 400 mg/kg Analyzed By: MS	12.3 5.00 06/04/2014 ND 1.98 99.1 2.00 8.57 122 5.00 06/04/2014 ND 1.95 97.6 2.00 10.8 63.8 5.00 06/04/2014 ND 1.86 93.0 2.00 11.6 145 15.0 06/04/2014 ND 5.64 94.0 6.00 12.4 343 30.0 06/04/2014 ND

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatspeever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

05/28/2014

Sampling Date:

05/27/2014

Reported:

06/05/2014

Sampling Type:

Soil

Project Name:

STRAWABERRY 7-2 H

Sampling Condition:

Cool & Intact

Project Number:

700794.108.01

Sample Received By:

Project Location:

B-7-19S-31E

Celey D. Keene

Sample ID: S-3 3' (H401642-12)

BTEX 8260B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	15.8	5.00	06/04/2014	ND	1.98	99.1	2.00	8.57	
Toluene*	120	5.00	06/04/2014	ND	1.95	97.6	2.00	10.8	
Ethylbenzene*	66.6	5.00	06/04/2014	ND	1.86	93.0	2.00	11.6	
Total Xylenes*	149	15.0	06/04/2014	ND	5.64	94.0	6.00	12.4	
Total BTEX	351	30.0	06/04/2014	ND					
Surrogate: Dibromofluoromethane	95.4	% 61.3-14	2						
Surrogate: Toluene-d8	86.4	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	110	% 65.7-14	1						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	06/04/2014	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3650	10.0	06/03/2014	ND	214	107	200	5.51	
DRO >C10-C28	5960	10.0	06/03/2014	ND	226	113	200	7.38	
Surrogate: 1-Chlorooctane	160	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	167	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damoges. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such cleim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remeety for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thinty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Page 10/2

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	: Talon/LPE						8//	LL TO					 ANAL	YSIS	RE	QUE	ST	 	
Project Manager	"K. Wilson				P.C	D. #:													
	W. Texas Ave.				Co	трапу	: T	alon/LPE		l									
city: Artesia	State: NM	Zip	: 88	3210	Att					-	- 1	. [
	-746-8768 Fax #: 575-7				Ad	dress:													
Project #: 700	794.108.01 Project Owner	: D	evo	on	Cit	y:				•									
	Strawberry 7-2H				Sta	ite:		Zip:		ı									
	: B-7-19S-31E				Ph	one #:				1	- 1								
Sampler Name:					Fa	x #:		***************************************		l									
FOR LAB USE ONLY		\Box	П	MATRIX		PRESE	RV.	SAMPLING		l	- 1								
Lab I.D. H01642-	Sample I.D.	S (G)RAB OR (C)OMP.	CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE	THER:	CID/BASE: SE / COOL	THER:	DATE TIN	A.E.	ТРН	втех	Chlorides							
01	5-1 0'	5	*-	<u> </u>		₹ ₹	۲	5.27.14		/	7	$\overline{}$							
12	5-1 1'	5	H	1 1/1	\sqcap	1		5.27.14			7	7	 						
33	9-1 2'	6		1 1/1		1		5.27.14		7	//	/	 ***						
YG	S-1 3'	SIGO				1		5.27.14		/	/	/							
05	S-20'	6			\perp			5.27.14		/									
06	S-21'	9			\perp			5.27-14				_							
07	S-2 2'	G.			\perp			5.22.14		_	_	_	 					 	
<i>O</i> 3	S. 2 3'	<u>olololo</u>		11/1	\perp	_/_		5.27.14			/		 					 	
09	5-3 0'	6	_ .	_ _ _(-	_ _/_		5.27.14				_	 					 	
PLEASE NOTE: Liability an	5-3 / d Demages. Cardinal's kability and chem's exclusive remedy for a		n ar isino	whether based in contra	at or tor	L shall be b	nsted t	5.21,14	hent for I	/ le								 	

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall be liable for incidental or consequented damages, including without fraction, business interruptions, loss of use, or loss pl profits incurred by client, its subsidianes,

animaties or successors arising out of or related to the pendimance	or services hereunder by Cardinal, regard	ess of whether social claims is passed upon any	di nie wixone stated Le	asons or otherwise.				
Relinquished By:	Date: Receive	ed By:		Phone Result:	☐ Yes	□ No	Add'l Phone #:	
1 / 0 //	0(/28/19 //		1,	Fax Result:	☐ Yes	□ No	Add'l Fax #:	
The life to	Time:	$11 \leq 1_{\alpha}$	ΛΛ	REMARKS:				
Relinguished By:		Im Joseph	/VW					
Relinguished By:	Datey / Receive	ed Bv:// 9/						
	15/23/14/	7////						
	Time:							
I amba steamer	2:25:00	I WILL C						
Delivered By: (Circle One)		Sample Condition CHI	ECKED BY:					
/ (aa.)		9) 1	(Initials)					
Sampler - UPS - Bus - Other:	~ 100	Yes Yes A	·····//	i				
1	54 5.6 U	- I No I No I	211					
			<u> </u>					



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	· Talon/LPE								BI	LL TO		į				ANAL	.YSIS	RE	QUE	ST			
Project Manage	r:K. Wilson					一	P.C	D. #:															
Address: 408	W. Texas Ave.						Co	mpany	/:	Γalon/LF	PΕ												
city: Artesia		Zip	: 88	210			Att																
	-746-8768 Fax #: 575-	746	-89	05			Ad	dress:															
Project #: 700	794.108.01 Project Owne	r: D	evo	on			Cit	y:															
Project Name: S	Strawberry 7-2H						Sta	ite:		Zip:													
	n: B-7-19S-31E						Ph	one #:															
Sampler Name:	Ken Swift			·				x #:]											
FOR LAB USE ONLY			П		MATRI	X		PRESE	RV.	SAMPLI	NG .												
Lab I.D. {식이(생2-	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	отнек:	DATE	TIME	TPH	ВТЕХ	Chlorides								:	
	9-3 2'	G			/			1		5.27.14	,	/											
12	S-3 31	B				Ш		/		5.22.14					<u> </u>								
		<u></u>				\sqcup	_			<u> </u>													
		<u> </u>	\Box	_ _	_				L			ļ			<u> </u>								
		-	\vdash	- -	_	+	-	 	<u> </u>			-			<u> </u>								
		-	\dashv	+	+	\vdash	-	 	├			-			<u> </u>								
		-	\vdash	\dashv	+	\vdash	_	┝┼	-														
		┢	-	$\dashv \dashv$	+	$\vdash \vdash$			\vdash						\vdash					·			
		1			\neg	+ +	-		\vdash						 								
PLEASE NOTE: Liability an	od Damages. Cardinal's kability and client's exclusive remedy for	eny class	n arraing	whether b	ased in C	ontract o	or ton	t, shall be b	med	to the amount paid	by the client for	r.the			·					<u></u>	<u> </u>		

service. In no event shall Cardinal be Bable for incidental or consequental damages, including without irratation, business interruptions, loss of use, or loss of profes incurred by client, its subsidianes,

affiliates or successors arising out of or related to the performance	of services hereunder by C	ardinal, regardless of whet	ner such claim is based upon any of th	e above stated rea	sons or otherwise.			
Relinquished By:	Date: (an /	Received By:	li '		Phone Result:	☐ Yes	□ No	Add'l Phone #:
,	5128114	11	\sim 11		Fax Result:	☐ Yes	□ No	Add'l Fax #:
	Time:	// Landh	, Sigenall	ا	REMARKS:			
Relinguished By:	Time 5!00	Received By:	heene					
Delivered By: (Circle One)	4 - 4 0	Céol	Intact (fnit	(ED BY: tials)				
Sampler - UPS - Bus - Other:	# <u>54</u>		es Yes Oh	<u>. </u>				



July 01, 2014

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: STRAWBERRY 7 FED. NO. 2

Enclosed are the results of analyses for samples received by the laboratory on 06/25/14 16:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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/qa/lab accred certif.html.

Cardinal Laboratories is accreditated 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 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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



TALON LPE
KIMBERLY WILSON
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

•

Reported: 07/01/2014

Project Name: STRAWBERRY 7 FED. NO. 2

06/25/2014

Project Number: 700794.108.01

Project Location: SEC.7-T19S-R31E

Sampling Date:

06/25/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Kathy Perez

Sample ID: BH-1 5' (H401915-01)

Received:

BTEX 8021B	mg/	kg	Analyze	d By: CK					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	06/27/2014	ND	1.90	95.2	2.00	6.78	
Toluene*	13.7	0.500	06/27/2014	ND	1.97	98.7	2.00	7.84	
Ethylbenzene*	13.3	0.500	06/27/2014	ND	1.74	86.8	2.00	8.13	
Total Xylenes*	38.7	1.50	06/27/2014	ND	5.36	89.4	6.00	7.95	
Total BTEX	65.7	3.00	06/27/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	141	% 89.4-12	6				····		
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					· · · · ·
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/26/2014	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	801	50.0	06/26/2014	ND	176	88.0	200	1.55	
DRO >C10-C28	3960	50.0	06/26/2014	ND	205	102	200	0.635	
Surrogate: 1-Chlorooctane	96.3	% 65.2-14	0				 _		
Surrogate: 1-Chlorooctadecane	137	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

06/25/2014

Sampling Date:

06/25/2014

Reported:

07/01/2014

Sampling Type:

Soil

STRAWBERRY 7 FED. NO. 2

Sampling Condition:

Cool & Intact

Project Name: Project Number:

700794.108.01

Sample Received By:

Kathy Perez

Project Location:

SEC.7-T19S-R31E

Sample ID: BH-1 10' (H401915-02)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/27/2014	ND	1.90	95.2	2.00	6.78	
Toluene*	<0.050	0.050	06/27/2014	ND	1.97	98.7	2.00	7.84	
Ethylbenzene*	<0.050	0.050	06/27/2014	ND	1.74	86.8	2.00	8.13	
Total Xylenes*	<0.150	0.150	06/27/2014	ND	5.36	89.4	6.00	7.95	
Total BTEX	<0.300	0.300	06/27/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/26/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS			ug		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/26/2014	ND	176	88.0	200	1.55	
DRO >C10-C28	<10.0	10.0	06/26/2014	ND	205	102	200	0.635	
Surrogate: 1-Chlorooctane	71.29	65.2-14	0	,					
Surrogate: 1-Chlorooctadecane	88.89	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

06/25/2014

Sampling Date:

06/25/2014

Reported:

07/01/2014

Sampling Type:

Soil

Project Name:

STRAWBERRY 7 FED. NO. 2

Sampling Condition:

Cool & Intact

Project Number:

700794.108.01

Sample Received By:

Kathy Perez

Project Location:

SEC.7-T19S-R31E

Sample ID: BH-1 15' (H401915-03)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/27/2014	ND	1.90	95.2	2.00	6.78	
Toluene*	<0.050	0.050	06/27/2014	ND	1.97	98.7	2.00	7.84	
Ethylbenzene*	0.112	0.050	06/27/2014	ND	1.74	86.8	2.00	8.13	
Total Xylenes*	0.370	0.150	06/27/2014	ND	5.36	89.4	6.00	7.95	
Total BTEX	0.481	0.300	06/27/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/26/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	16.8	10.0	06/26/2014	ND	176	88.0	200	1.55	
DRO >C10-C28	252	10.0	06/26/2014	ND	205	102	200	0.635	· d
Surrogate: 1-Chlorooctane	73.3	% 65.2-14	0		•				
Surrogate: 1-Chlorooctadecane	106 9	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproducted except in full with written approval of Cardinal Laboratories.

Celug D. Keine



TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210 (575) 745-8905

Fax To:

Received:

06/25/2014 07/01/2014

Reported: Project Name:

STRAWBERRY 7 FED. NO. 2

Project Number: Project Location: 700794.108.01 SEC.7-T19S-R31E Sampling Date:

06/25/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Kathy Perez

Sample ID: BH-1 20' (H401915-04)

BTEX 8021B	mg/	kg	Analyze	d By: CK		·			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/27/2014	ND	1.90	95.2	2.00	6.78	
Toluene*	<0.050	0.050	06/27/2014	ND	1.97	.98.7	2.00	7.84	
Ethylbenzene*	<0.050	0.050	06/27/2014	ND	1.74	86.8	2.00	8.13	
Total Xylenes*	<0.150	0.150	06/27/2014	ND	5.36	89.4	6.00	7.95	
Total BTEX	<0.300	0.300	06/27/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg ·	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/26/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/26/2014	ND	176	88.0	200	1.55	
DRO >C10-C28	133	10.0	06/26/2014	ND	205	102	200	0.635	
Surrogate: 1-Chlorooctane	68.2	% 65.2-14	0						****
Surrogate: 1-Chlorooctadecane	88.4	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim airising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsiciaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:

06/25/2014

Sampling Date:

06/25/2014

Reported:

07/01/2014

Sampling Type:

Soil

Project Name:

STRAWBERRY 7 FED. NO. 2

Sampling Condition:

Cool & Intact

Project Number:

700794.108.01

Sample Received By:

Kathy Perez

Project Location:

SEC.7-T19S-R31E

Sample ID: S-4 0' (H401915-05)

BTEX 8021B	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	06/27/2014	ND	1.90	95.2	2.00	6.78	
Toluene*	9.65	0.500	06/27/2014	ND	1.97	98.7	2.00	7.84	
Ethylbenzene*	8.34	0.500	06/27/2014	ND	1.74	86.8	2.00	8.13	•
Total Xylenes*	23.2	1.50	06/27/2014	ND	5.36	89.4	6.00	7.95	•
Total BTEX	42.0	3.00	06/27/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	'kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/26/2014	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	529	100	06/26/2014	ND	176	88.0	200	1.55	
DRO >C10-C28	17700	100	06/26/2014	ND	205	102	200	0.635	
Surrogate: 1-Chlorooctane	90.7	% 65.2-14	0						
Surrogate: I-Chlorooctadecane	546	% 63.6-15	· <u>/</u>						

Surrogate: 1-Chlorooctadecane

546 %

63.6-154

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

06/25/2014

Sampling Date:

06/25/2014

Reported:

07/01/2014

Sampling Type:

Soil

Project Name:

STRAWBERRY 7 FED. NO. 2

Sampling Condition:

Cool & Intact

Project Number:

700794.108.01

Sample Received By:

Kathy Perez

Project Location:

SEC.7-T19S-R31E

Sample ID: S-4 1' (H401915-06)

BTEX 8021B	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	5.31	2.50	06/27/2014	ND	1.90	95.2	2.00	6.78	
Toluene*	133	2.50	06/27/2014	ND	1.97	98.7	2.00	7.84	
Ethylbenzene*	77.0	2.50	06/27/2014	ND	1.74	86.8	2.00	8.13	
Total Xylenes*	200	7.50	06/27/2014	ND	5.36	89.4	6.00	7.95	
Total BTEX	415	15.0	06/27/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	124 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/26/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4690	50.0	06/26/2014	ND	176	88.0	200	1.55	
DRO >C10-C28	11500	50.0	06/26/2014	ND	205	102	200	0.635	
Surrogate: 1-Chlorooctane	168 9	% 65.2-14	0	· · · · · · · · · · · · · · · · · · ·					
Surrogate: 1-Chlorooctadecane	227	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be lable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celego Kreene



TALON LPE
KIMBERLY WILSON
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: Reported: 06/25/2014

07/01/2014

Project Name:

STRAWBERRY 7 FED. NO. 2

Project Number:

700794.108.01

Project Location:

SEC.7-T19S-R31E

Sampling Date:

06/25/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: S-5 0' (H401915-07)

BTEX 8021B	mg/	kg	Analyze	d By: CK					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	06/27/2014	ND	1.90	95.2	2.00	6.78	
Toluene*	4.29	0.200	06/27/2014	ND	1.97	98.7	2.00	7.84	
Ethylbenzene*	4.26	0.200	06/27/2014	ND	1.74	86.8	2.00	8.13	
Total Xylenes*	12.3	0.600	06/27/2014	ND	5.36	89.4	6.00	7.95	
Total BTEX	20.8	1.20	06/27/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	/33 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/26/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS	a*-				S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	307	100	06/26/2014	ND	176	0.88	200	1.55	
DRO >C10-C28	13500	100	06/26/2014	ND	205	102	200	0.635	
Surrogate: 1-Chlorooctane	94.0	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	441	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

06/25/2014

Sampling Date:

06/25/2014

Reported:

07/01/2014

Sampling Type:

Soil

Project Name:

STRAWBERRY 7 FED. NO. 2

Sampling Condition:

Cool & Intact

Project Number:

700794.108.01

Project Location:

SEC.7-T19S-R31E

Sample Received By:

Kathy Perez

Sample ID: S-5 0.5' REFUSAL (H401915-08)

BTEX 8021B	mg/	kg	Analyze	d By: CK			-		S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	06/27/2014	ND	1.90	95.2	2.00	6.78	
Toluene*	28.4	2.00	06/27/2014	ND	1.97	98.7	2.00	7.84	
Ethylbenzene*	32.2	2.00	06/27/2014	ND	1.74	86.8	2.00	8.13	
Total Xylenes*	96.5	6.00	06/27/2014	ND	5.36	89.4	6.00	7.95	
Total BTEX	157	12.0	06/27/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	128 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/30/2014	ND	416	104	400	3.92	
TPH 8015M	mg/kg		Analyzed By: MS					,	S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2030	50.0	06/26/2014	ND	176	88.0	200	1.55	
DRO >C10-C28	15400	50.0	06/26/2014	ND	205	102	200	0.635	
Surrogate: 1-Chlorooctane	138 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	330 %	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated resource or otherwise. Results relate only to the samples identified above. This



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waked unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/LPE	BILLTO ANALYSIS REQUEST						
Project Manager: Kimberly M. Wilson	P.O. #:						
Address: 408 W. Texas Ave.	Company: Talon/LPE						
city: Artesia State: NM zip: 88210	Attn:						
Phone #: 575-746-8768 Fax #: 575-746-8905	Address:						
Project #: 700794, 108.01 Project Owner: Devon	City:						
Project Name: Strawberry 7 Ad #2	State: Zip:						
Project Location:	Phone #:						
Sampler Name: helden Hitchcock	Fax #:						
FOR LAB USE ONLY MATRIX	X PRESERV SAMPLING						
(C)OMP. ERS ATER FER							
lah D Sample D							
A NATA A B B A L A L A L A L A L A L A L A L							
# # CONT. # # # CONT. # # # CONT. # # # CONT. # # # # # # # # # # # # # # # # # # #	OTHER: ACIDIBASE ICE / COOL OTHER: OTHER:						
1 BH-1 5' G V	6/25/14 9:11						
2 BH-1 10' G 1	1 6/35/14 9:15 / /						
3 84-1 15'	1 GJ5/A 9:22 / /						
4 BH-1 20' G	1 6/25/14 9:25						
55-40' 6 1	1 1/25/14 / / / / / / / / / / / / / / / / / /						
7 7 7	1 6/25/14 10:20 / /						
8 5-5 0.5 Rohusal 6 1	1 6/25/10/0:23						
3 3 3 0 3 January 1							
analyses. All claims, including those for partitioned and arm other cause whatevers shall be deemed unived unless made in writing	PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount peid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing setting-ceived by Cardinal within 30 days after completion of the applicable						
service. In no event shall Cardinal be Bable for incidental or consequental damages, including without limitation, business interrupt efficiency successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether successors	ptions, best of use of host of profits incurred by cherit, its subsidiaries, y claim is based union any of the above stated reasons or otherwise.						
Relinquished By: Oate: (a) 25 19 Received By:	Phone Result:						
Stollar Hiterente Time: Dh	FEMARKS:						
Relinquished By: Date: Received By:							
Time: 12 ()	21 hytiosts						
Delivered By: (Circle One) Sample Cor							
Sampler - UPS - Bus - Other: 6.0 Cool Inta	tact (Initials)						
(). U (No	No. J.W						

⁺ Cardinal cannot account verbal channes Diggerfal written channes to 15751 202-2226