

f.054

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: <u>SKA Consulting Co.</u>		P.O. #:	
Project Manager: <u>Brian Weavre</u>		Company:	
Address: <u>1515 W. 4th Rd</u>		Attn:	
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>77080</u>		Address: <u>SKA</u>	
Phone #: _____ Fax #: _____		City: _____	
Project #: <u>12009-0005</u> Project Owner: _____		State: _____ Zip: _____	
Project Name: <u>Turner B South Trade Battery</u>		Phone #: _____	
Project Location: _____		Fax #: _____	
Sampler Name: <u>Scott Denny</u>		PRESERV:	
FOR LAB USE ONLY		SAMPLING	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	X
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:			
<u>H4D139</u>												
1	AOC # 1 SW14B		6			X						
2	AOC # 2 B1		1									
3	AOC # 2 R2											
4	AOC # 2 SW1											
5	AOC # 2 SW2											
6	AOC # 2 SW3											
7	AOC # 2 SW5											
8	AOC # 2 SW6											

Delivered By: (Circle One) <input checked="" type="checkbox"/> UPS - <input type="checkbox"/> Bus - <input type="checkbox"/> Other: <u>2.4P</u>	Sample Condition Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: <u>[Signature]</u>
Relinquished By: <u>[Signature]</u>	Date: <u>05/11/04</u> Time: <u>8:00</u>	Received By: <u>[Signature]</u>
REMARKS: <u>Emil results: scott.denny@skaconsulting.com</u> <u>Brian Weavre @</u>		

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



June 09, 2014

BRIAN WEAVER
SKA CONSULTING
1515 WITTE RD
HOUSTON, TX 77080

RE: TURNER B SOUTH TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/09/14 8:00.

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

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

Accreditation applies to public drinking water matrices.

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,

A handwritten signature in cursive script that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 SKA CONSULTING
 BRIAN WEAVER
 1515 WITTE RD
 HOUSTON TX, 77080
 Fax To: (713) 266-0996

Received:	06/09/2014	Sampling Date:	06/06/2014
Reported:	06/09/2014	Sampling Type:	Soil
Project Name:	TURNER B SOUTH TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12009-0005	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AOC #1 SW 14 B (H401739-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	06/09/2014	ND	416	104	400	0.00	

Sample ID: AOC #2 B 1 (H401739-02)

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	06/09/2014	ND	416	104	400	0.00	

Sample ID: AOC #2 B 2 (H401739-03)

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	06/09/2014	ND	416	104	400	0.00	

Sample ID: AOC #2 SW 1 (H401739-04)

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	06/09/2014	ND	416	104	400	0.00	

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, Lab Director/Quality Manager

Analytical Results For:

 SKA CONSULTING
 BRIAN WEAVER
 1515 WITTE RD
 HOUSTON TX, 77080
 Fax To: (713) 266-0996

Received:	06/09/2014	Sampling Date:	06/08/2014
Reported:	06/09/2014	Sampling Type:	Soil
Project Name:	TURNER B SOUTH TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12009-0005	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AOC #2 SW 2 (H401739-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	06/09/2014	ND	416	104	400	0.00	

Sample ID: AOC #2 SW 3 (H401739-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	06/09/2014	ND	416	104	400	0.00	

Sample ID: AOC #2 SW 5 (H401739-07)

Chloride, SM4500CI-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	06/09/2014	ND	416	104	400	0.00	

Sample ID: AOC #2 SW 6 (H401739-08)

Chloride, SM4500CI-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	06/09/2014	ND	416	104	400	0.00	

Sample ID: AOC #2 B11 (H401739-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	06/09/2014	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 SKA CONSULTING
 BRIAN WEAVER
 1515 WITTE RD
 HOUSTON TX, 77080
 Fax To: (713) 266-0996

Received:	06/09/2014	Sampling Date:	06/08/2014
Reported:	06/09/2014	Sampling Type:	Soil
Project Name:	TURNER B SOUTH TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12009-0005	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AOC #2 SW 12 (H401739-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	06/09/2014	ND	416	104	400	0.00	

Sample ID: AOC #2 SW 13 (H401739-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	06/09/2014	ND	416	104	400	0.00	

Sample ID: AOC #2 SW 14 (H401739-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	06/09/2014	ND	416	104	400	0.00	

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



Celey D. Keene, Lab Director/Quality Manager

f.054

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: <u>SKA Consulting Co.</u> Project Manager: <u>Brian Weavre</u> Address: <u>1515 W. 4th Rd</u> City: <u>Hesperia</u> State: <u>TX</u> Zip: <u>77080</u> Phone #: _____ Fax #: _____ Project #: <u>12009-0005</u> Project Owner: _____ Project Name: <u>Turner B South Trade Battery</u> Project Location: _____ Sampler Name: <u>Scott Denny</u> <small>FOR LAB USE ONLY</small>		P.O. #: _____ Company: _____ Attn: _____ Address: <u>same</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____																				
Lab I.D.	Sample I.D.	MATRIX						DATE	TIME	ANALYSIS REQUEST												
		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL			SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Result	Notes	Signature	Date		
<u>H4D139</u>	<u>AOC #1 SW14B</u>	<u>6</u>	<u>1</u>			<u>X</u>					<u>X</u>				<u>10/19</u>	<u>10:40</u>	<u>X</u>					
	<u>AOC #2 B1</u>														<u>10/19</u>	<u>12:04</u>	<u>X</u>					
	<u>AOC #2 R2</u>														<u>10/19</u>	<u>12:08</u>	<u>X</u>					
	<u>AOC #2 SW1</u>														<u>10/19</u>	<u>13:02</u>	<u>X</u>					
	<u>AOC #2 SW2</u>														<u>10/19</u>	<u>12:58</u>	<u>X</u>					
	<u>AOC #2 SW3</u>														<u>10/19</u>	<u>12:52</u>	<u>V</u>					
	<u>AOC #2 SW5</u>														<u>10/19</u>	<u>13:06</u>	<u>X</u>					
	<u>AOC #2 SW6</u>																					

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Relinquished By: Scott Denny Date: 05/11/14 Time: 8:00
 Received By: Scott Denny

Relinquished By: _____ Date: _____ Time: _____
 Received By: _____

Delivered By: (Circle One) UPS - Bus - Other: _____
 Sample Condition: Cool Intact
 Checked By: [Signature]
 Remarks: Emil results: scott.denny@skaconsulting.com
Brian Weavre @

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 #54

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

Rush

BILL TO

ANALYSIS REQUEST

Company Name: <i>CHA CONSULT'S C.F.</i>		P.O. #:	
Project Manager: <i>Brian Weaver</i>		Company:	
Address: <i>1515 W. 4th Rd.</i>		Attn:	
City: <i>Houston</i> State: <i>TX</i> Zip: <i>77080</i>		Address:	
Phone #: _____ Fax #: _____		City: <i>Spring</i>	
Project #: <i>12009-0009</i> Project Owner:		State: _____ Zip: _____	
Project Name: <i>Turner R South Tank Rafter</i>		Phone #: _____ Fax #: _____	
Project Location:		PRESERV/ SAMPLING	
Sampler Name: <i>Scott Perry</i>			
FOR LAB USE ONLY			
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
<i>9</i>	<i>AOC # 2 B11</i>	<i>9/1</i>	<i>1546</i>
<i>10</i>	<i>AOC # 2 SW12</i>	<i>11</i>	<i>1538</i>
<i>11</i>	<i>AOC # 2 SW13</i>	<i>11</i>	<i>1526</i>
<i>12</i>	<i>AOC # 2 SW14</i>	<i>12</i>	<i>1530</i>

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Relinquished By: *Scott Perry* Date: *9/1/14* Received By: *Michael Henderson*
 Relinquished By: _____ Date: _____ Received By: _____
 Time: _____

Delivered By: (Circle One) UPS - Bus - Other: _____
 Sample Condition: Cool Intact
 Checked By: *[Signature]*

REMARKS: *24 hr FAT*



June 10, 2014

BRIAN WEAVER
SKA CONSULTING
1515 WITTE RD
HOUSTON, TX 77080

RE: TURNER B SOUTH TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/10/14 9:21.

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.

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Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

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Sincerely,

A handwritten signature in cursive script that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 SKA CONSULTING
 BRIAN WEAVER
 1515 WITTE RD
 HOUSTON TX, 77080
 Fax To: (713) 266-0996

Received:	06/10/2014	Sampling Date:	06/10/2014
Reported:	06/10/2014	Sampling Type:	Soil
Project Name:	TURNER B SOUTH TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12009-0005	Sample Received By:	Kathy Perez
Project Location:	NOT GIVEN		

Sample ID: AOC #2 SW 2 B (H401751-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	06/10/2014	ND	400	100	400	7.69	

Sample ID: AOC #2 B 11 B (H401751-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	06/10/2014	ND	400	100	400	7.69	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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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



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

BILL TO

ANALYSIS REQUEST

Company Name: SKA Consulting C.P.		P.O. #:																		
Project Manager: Rein Warner		Company:																		
Address: 1515 W. 4th St.		Attn:																		
City: Houston	State: TX	Address:																		
Phone #:	Fax #:	City: SALE																		
Project #: 12009-0005	Project Owner:	State:																		
Project Name: Turner & Scott Tank Kathy		Zip:																		
Project Location:		Phone #:																		
Sampler Name: Scott Drury		Fax #:																		
<small>FOR LAB USE ONLY</small>																				
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						
H401751	APC # 2 grv 2 B	G	1			X							4/01/11	605	X					
	APC # 2 611 B	G	1			X														

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Relinquished By: **SCD** Date: **4/1/11** Received By: **Kathryn**

Relinquished By: **SCD** Date: **4/1/11** Received By: **Kathryn**

Delivered By: (Circle One) **Sampler - UPS - Bus - Other:** **1.60 #54**

Sample Condition: Cool Intact Yes No No

CHECKED BY: **[Signature]**

REMARKS: **24 hr FAT**

Email results: Scott.Drury@stancusflow.com

brin.warner@ " "

RUSH

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



June 11, 2014

BRIAN WEAVER
SKA CONSULTING
1515 WITTE RD
HOUSTON, TX 77080

RE: TURNER B SOUTH TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/11/14 8:05.

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Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

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Sincerely,

A handwritten signature in cursive script that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 SKA CONSULTING
 BRIAN WEAVER
 1515 WITTE RD
 HOUSTON TX, 77080
 Fax To: (713) 266-0996

Received:	06/11/2014	Sampling Date:	06/10/2014
Reported:	06/11/2014	Sampling Type:	Soil
Project Name:	TURNER B SOUTH TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12009-0005	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AOL #2 SW 2 C (H401770-01)
Chloride, SM4500Cl-B
mg/kg
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	06/11/2014	ND	416	104	400	3.77	

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



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

BILL TO

ANALYSIS REQUEST

Company Name: <u>SKC Consulting.</u> Project Manager: <u>Brian Weaver</u>		P.O. #: _____ Company: _____	
Address: <u>1515 White Rd.</u> City: <u>Houston</u> State: <u>TX</u> Zip: <u>77060</u>		Attn: _____ Address: _____ City: _____ State: _____ Zip: _____	
Project #: <u>12009-0005</u> Project Owner: _____ Project Name: <u>Turner B South Tank Barging</u>		State: _____ Zip: _____ City: _____ State: _____ Zip: _____	
Project Location: _____ Sampler Name: <u>Scott Drury</u>		Phone #: _____ Fax #: _____ Phone #: _____ Fax #: _____	
FOR LAB USE ONLY			
Lab I.D. <u>H4017D</u> Sample I.D. <u>1 AOC #2 SW2C</u>	(G)RAB OR (C)OMP. <u>G</u> # CONTAINERS <u>1</u>	MATRIX GROUNDWATER _____ WASTEWATER _____ SOIL <u>X</u> OIL _____ SLUDGE _____ OTHER: _____	PRESERV. <u>X</u> ICE / COOL _____ OTHER: _____
		DATE <u>6/10/16</u> TIME _____ DATE _____ TIME _____	DATE _____ TIME _____ DATE _____ TIME _____
Relinquished By: <u>Scott Drury</u> Date: <u>6/11/16</u> Time: <u>8:05</u>		Received By: <u>Scott Drury</u> Date: _____ Time: _____	
Delivered By: (Circle One) <input checked="" type="checkbox"/> UPS - <input type="checkbox"/> Bus - <input type="checkbox"/> Other: <u>2.60c</u>		Sample Condition Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
CHECKED BY: _____ (Initials)		REMARKS: <u>24hr TAT</u> <u>Email: Scott.Drury@skcconsulting.com</u>	

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

#54



May 29, 2014

BRIAN WEAVER
SKA CONSULTING
1515 WITTE RD
HOUSTON, TX 77080

RE: TURNER B SOUTH TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/28/14 16:30.

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

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

Accreditation applies to public drinking water matrices.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 SKA CONSULTING
 BRIAN WEAVER
 1515 WITTE RD
 HOUSTON TX, 77080
 Fax To: (713) 266-0996

Received:	05/28/2014	Sampling Date:	05/28/2014
Reported:	05/29/2014	Sampling Type:	Soil
Project Name:	TURNER B SOUTH TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12009-0005	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AOC #3 B1 (H401635-01)

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	05/29/2014	ND	190	94.9	200	1.85	
DRO >C10-C28	<10.0	10.0	05/29/2014	ND	199	99.3	200	0.141	
<i>Surrogate: 1-Chlorooctane</i>	<i>90.7 %</i>	<i>65.2-140</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>94.2 %</i>	<i>63.6-154</i>							

Sample ID: AOC #3 B2 (H401635-02)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	05/29/2014	ND	190	94.9	200	1.85	
DRO >C10-C28	130	50.0	05/29/2014	ND	199	99.3	200	0.141	
<i>Surrogate: 1-Chlorooctane</i>	<i>77.6 %</i>	<i>65.2-140</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>93.7 %</i>	<i>63.6-154</i>							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 SKA CONSULTING
 BRIAN WEAVER
 1515 WITTE RD
 HOUSTON TX, 77080
 Fax To: (713) 266-0996

Received:	05/28/2014	Sampling Date:	05/28/2014
Reported:	05/29/2014	Sampling Type:	Soil
Project Name:	TURNER B SOUTH TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12009-0005	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AOC #3 SW1 (H401635-03)

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	05/29/2014	ND	190	94.9	200	1.85	
DRO >C10-C28	<10.0	10.0	05/29/2014	ND	199	99.3	200	0.141	

Surrogate: 1-Chlorooctane 98.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

Sample ID: AOC #3 SW2 (H401635-04)

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	05/29/2014	ND	190	94.9	200	1.85	
DRO >C10-C28	<10.0	10.0	05/29/2014	ND	199	99.3	200	0.141	

Surrogate: 1-Chlorooctane 93.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.9 % 63.6-154



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 SKA CONSULTING
 BRIAN WEAVER
 1515 WITTE RD
 HOUSTON TX, 77080
 Fax To: (713) 266-0996

Received:	05/28/2014	Sampling Date:	05/28/2014
Reported:	05/29/2014	Sampling Type:	Soil
Project Name:	TURNER B SOUTH TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12009-0005	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AOC #3 SW3 (H401635-05)

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	05/29/2014	ND	190	94.9	200	1.85	
DRO >C10-C28	<10.0	10.0	05/29/2014	ND	199	99.3	200	0.141	

Surrogate: 1-Chlorooctane 94.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.3 % 63.6-154

Sample ID: AOC #3 SW4 (H401635-06)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	05/29/2014	ND	190	94.9	200	1.85	
DRO >C10-C28	70.1	50.0	05/29/2014	ND	199	99.3	200	0.141	

Surrogate: 1-Chlorooctane 94.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 SKA CONSULTING
 BRIAN WEAVER
 1515 WITTE RD
 HOUSTON TX, 77080
 Fax To: (713) 266-0996

Received:	05/28/2014	Sampling Date:	05/28/2014
Reported:	05/29/2014	Sampling Type:	Soil
Project Name:	TURNER B SOUTH TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12009-0005	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AOC #3 SW5 (H401635-07)

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	05/29/2014	ND	190	94.9	200	1.85	
DRO >C10-C28	<10.0	10.0	05/29/2014	ND	199	99.3	200	0.141	

Surrogate: 1-Chlorooctane 90.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.7 % 63.6-154

Sample ID: AOC #3 SW6 (H401635-08)

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	05/29/2014	ND	190	94.9	200	1.85	
DRO >C10-C28	<10.0	10.0	05/29/2014	ND	199	99.3	200	0.141	

Surrogate: 1-Chlorooctane 95.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.0 % 63.6-154

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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

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

RUSH!!

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: *SKA CONSULTING L.P.* P.O. #:
 Project Manager: *Brian Weaver* Company:
 Address: *1515 White Rd.* Attn:
 City: *Houston* State: *TX* Zip: *77060*
 Phone #: *713-266-6066* Fax #: Address:
 Project #: *12009-0005* Project Owner: City:
 Project Name: *Turner B South Tank Refinery* State: Zip:
 Project Location: Phone #:
 Sampler Name: *Scott Drawury* Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
1	AOC #3 B1		1			X				5/28/14	1354	X
2	AOC #3 B2										1357	X
3	AOC #3 SW1										1407	X
4	AOC #3 SW2										1409	X
5	AOC #3 SW3										1414	X
6	AOC #3 SW4										1416	X
7	AOC #3 SW5										1419	X
8	AOC #3 SW6										1421	X

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Relinquished By: *Scott D* Date: *5/28/14* Received By: *Wendy Benson* Time: *4:30*
 Relinquished By: _____ Date: _____ Received By: _____ Time: _____

Delivered By: (Circle One) *UPS* *24 hr TAT* Sample Condition: Intact Broken Cool Dry Wet Other: _____
 Checked By: *[Signature]* (Initials)

REMARKS: *24 hr TAT*
 Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 Email Results to: *Scott.drawury@skaconsulting.com*
brian.weaver@ 11

* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



May 30, 2014

BRIAN WEAVER
SKA CONSULTING
1515 WITTE RD
HOUSTON, TX 77080

RE: TURNER B SOUTH TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/29/14 15:40.

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

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

Accreditation applies to public drinking water matrices.

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,

A handwritten signature in cursive script that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 SKA CONSULTING
 BRIAN WEAVER
 1515 WITTE RD
 HOUSTON TX, 77080
 Fax To: (713) 266-0996

Received:	05/29/2014	Sampling Date:	05/29/2014
Reported:	05/30/2014	Sampling Type:	Soil
Project Name:	TURNER B SOUTH TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12009-0005	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: BACKFILL 1 (H401653-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/30/2014	ND	2.17	109	2.00	0.311	
Toluene*	<0.050	0.050	05/30/2014	ND	2.16	108	2.00	1.14	
Ethylbenzene*	<0.050	0.050	05/30/2014	ND	2.07	104	2.00	0.568	
Total Xylenes*	<0.150	0.150	05/30/2014	ND	6.48	108	6.00	0.666	
Total BTEX	<0.300	0.300	05/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/30/2014	ND	416	104	400	3.92	

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	05/30/2014	ND	198	99.2	200	0.0992	
DRO >C10-C28	<10.0	10.0	05/30/2014	ND	213	106	200	0.379	

Surrogate: 1-Chlorooctane 89.8 % 65.2-140
Surrogate: 1-Chlorooctadecane 94.1 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 SKA CONSULTING
 BRIAN WEAVER
 1515 WITTE RD
 HOUSTON TX, 77080
 Fax To: (713) 266-0996

Received:	05/29/2014	Sampling Date:	05/29/2014
Reported:	05/30/2014	Sampling Type:	Soil
Project Name:	TURNER B SOUTH TANK BATTERY	Sampling Condition:	Cool & Intact
Project Number:	12009-0005	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: BACKFILL 2 (H401653-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/30/2014	ND	2.17	109	2.00	0.311		
Toluene*	<0.050	0.050	05/30/2014	ND	2.16	108	2.00	1.14		
Ethylbenzene*	<0.050	0.050	05/30/2014	ND	2.07	104	2.00	0.568		
Total Xylenes*	<0.150	0.150	05/30/2014	ND	6.48	108	6.00	0.666		
Total BTEX	<0.300	0.300	05/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/30/2014	ND	416	104	400	3.92		

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	05/30/2014	ND	198	99.2	200	0.0992		
DRO >C10-C28	<10.0	10.0	05/30/2014	ND	213	106	200	0.379		

Surrogate: 1-Chlorooctane 94.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.9 % 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 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, 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



Celey D. Keene, Lab Director/Quality Manager

**APPENDIX 5
PHOTOGRAPHS**



Photo No. 1: View to the north of soil excavation activities on the previously excavated western limits of AOC No. 1.



Photo No. 2: View to the south of soil excavation activities on the previously excavated western limits of AOC No. 1 at a total depth of 8 ft-bgs.



Photo No. 3: View to the east of soil excavation activities for AOC No. 1 continuing east at a depth of 4 ft-bgs.



Photo No. 4: View to the west of over-excavation activities associated with confirmation sample SW-6 (right) of the soil excavation for AOC No. 1.



Photo No. 5: View to the north of over-excavation activities associated with confirmation sample SW-8 (left) of the soil excavation for AOC No. 1.



Photo No. 6: View to the west of excavation activities along the access road of AOC No. 1 where SWCA personnel identify archeological features at approximately 1.5 ft-bgs.



Photo No. 7: View to the north of the soil excavation activities on the eastern limits of AOC No. 1 at a depth of 4 ft-bgs.



Photo No. 8: View to the north of the installed 20-mil high density polyethylene liner placed on along the western limits of AOC No. 1 at the 4-foot level of the excavation and a total depth of 8 ft-bgs.



Photo No. 9: View to the south of backfilling operations on the western limits AOC No. 1.



Photo No. 10: View to the west of backfilling operations along the access road of AOC No. 1, which would be surface completed with a caliche road-base.



Photo No. 11: View to the east of backfilling operations on the eastern limits of AOC No. 1.



Photo No. 12: View to the west of the surface completion of the eastern limits of AOC No. 1.



Photo No. 13: View to the west of the surface completion of the western limits of AOC No. 1.



Photo No. 14: View to the east of final stages of surface completion where Blade Services, LLC watered the reseeding mixture according to BLM standards.



Photo No. 15: View to the north of soil excavation activities for AOC No. 2 at a depth of 2 ft-bgs.



Photo No. 16: View to the south of the final limits of the AOC No. 2 soil excavation.



Photo No. 17: View to the south of backfilling operations for AOC No. 2.



Photo No. 18: View to the south of the surface completion for the northernmost portion of AOC No. 2 along the access road.



Photo No. 19: View to the north of the surface completion for AOC No. 2 along the access road.



Photo No. 20: View to the north of soil excavation activities for AOC No. 3.