



Rush

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>CHA Consultants C.F.</u>		P.O. #:		BILL TO																														
Project Manager: <u>Brian Weaver</u>		Company:		ANALYSIS REQUEST																														
Address: <u>1515 W. 4th Rd.</u>		Attn:																																
City: <u>Houston</u>		Address: <u>5700</u>																																
State: <u>TX</u>		City:																																
Zip: <u>77080</u>		State:																																
Phone #: <u>281-2009-0009</u>		Fax #:																																
Project #: <u>12009-0009</u>		Project Owner:																																
Project Name: <u>Turner R South Tank Rafter</u>		State:																																
Project Location:		Zip:																																
Sample Name: <u>Scott Perry</u>		Phone #:																																
FOR LAB USE ONLY		Fax #:																																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV	SAMPLING																										
		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE	TIME													
9	APC # 2 B11		1			X						X								4/14/14	1346	X												
10	APC # 2 SW12																				1338	X												
11	APC # 2 SW13																				1326	X												
12	APC # 2 SW14																				1330	X												
Relinquished By: <u>Scott Perry</u>		Date: <u>4/9/14</u>		Received By: <u>Michael Henderson</u>		Time: <u>8:00</u>		Date: <u>4/9/14</u>		Time: <u>2:42</u>		Sample Condition		Checked By: <u>Michael Henderson</u>																				
Relinquished By:		Date:		Received By:		Time:		Sample Condition		Checked By:																								
Delivered By: (Circle One)		Sample Condition		Checked By:																														
Sampler: <u>UPS</u> - Bus - Other:		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>																														

† 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,



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, SM4500Cl-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, 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 B11 (H401739-09)

Chloride, SM4500Cl-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, SM4500Cl-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, SM4500Cl-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, SM4500Cl-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	

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 6 of 7



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476

Company Name: SEA Consulting Ltd.

Project Manager: Brian Weaver

Address: 1515 W. 4th, R. 2.

City: Haasten State: TX Zip: 77088

Phone #:	Fax #:
----------	--------

Project #:	12002-0005	Project Owner:	
------------	------------	----------------	--

Project Name: Turned R South Tank Battery

Project Location:

Sampler Name: SCOTT McElroy

FOR LAB USE ONLY

Lab I.D.	Sample I.D.
-----------------	--------------------

9. Fac. # 2 B11

10 AOC # 2 Su-12

11 AcC # 2 Sc13

12 poc # 2 swid

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[illegible]

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Liability and Damages. Cardinals' liability and client's exclusions including those for negligence and any other cause whatsoever.

ent shall Cardinal be liable for incidental or consequential damages arising out of or related to the performance of services by

Date: _____

Time

ished By: _____ Date: _____

Time:

and By: (Circle One)

NAIPS - Bus - Other:

✓ **NO OF - Days - Count:**

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2226

#54

Page 7 of 7

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 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,



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, SM4500Cl-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, SM4500Cl-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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Page 4 of 4

(575) 393-2326 FAX (575) 393-2476

Company Name: SKT Consulting C.P.

Project Manager: Brian Weaver

Address: 1515 W. 4th Rd.

City: Houston

State: TX

Zip: 77082

Phone #:

Fax #:

Project #: 12065-0005

Project Owner: Turner & Scott Tank Battery

Project Name: Turner & Scott Tank Battery

Project Location:

Sample Name: Scott Battery

FOR LAB USE ONLY

Lab I.D. 01751

Sample I.D. Apc # 2 Rev 2 B
Acc # 2 611 B

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

MATRIX

PRESERV

SAMPLING

P.O. #:

Company:

Attn: J

Address: SNAE

City:

State:

Zip:

Phone #:

Fax #:

Reinquinshed By: C. H. Dwyer

Reinquinshed By:

Date: 6/16/14

Date:

Time: 7:21

Time:

Received By: J. H. Dwyer

Received By:

Time:

Delivered By: (Circle One)

Delivered By:

Sample Condition

Cool ☒ Yes ☐ No

Impact ☒ Yes ☐ No

CHECKED BY: J. H. Dwyer

REMARKS: 24 hr test

REMARKS:

Phone Result: ☐ Yes ☐ No

Phone Result:

Fax Result: ☐ Yes ☐ No

Fax Result:

Add'l Phone #:

Add'l Phone #:

Add'l Fax #:

Add'l Fax #:

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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Email results: Scott.Dwyer@stancus.com

Print name: Brian Weaver

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

Rush



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

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)

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 style with a large, stylized 'C' and 'K'.

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

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Celey D. Keene, Lab Director/Quality Manager



Page 4 of 4

(575) 393-2326 FAX (575) 393-2476

[illegible]

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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,



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	

Surrogate: 1-Chlorooctane 90.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.2 % 63.6-154

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	

Surrogate: 1-Chlorooctane 77.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.7 % 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 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

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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 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

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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: <u>SKA Consulting L.P.</u>		P.O. #:																																		
Project Manager: <u>Brian Weaver</u>		Company:																																		
Address: <u>1515 White Rd.</u>		Attn:																																		
City: <u>Houston</u>		Address:																																		
Phone #: <u>713-246-6066</u>		City:																																		
Fax #: _____		State:																																		
Project #: <u>12009-0005</u>		Project Owner:																																		
Project Name: <u>Turner B South Tank Refinery</u>		State:																																		
Project Location:		Zip:																																		
Sampler Name: <u>Scott Drury</u>		Phone #:																																		
Fax #: _____																																				
FOR LAB USE ONLY																																				
Lab I.D. <u>Sample I.D.</u>		(G)RAB OR (C)OMP.	# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME											
1 <u>1401635</u>			1						X								Nine		5/28/14		1354		X		TPH											
2																																				
3																																				
4																																				
5																																				
6																																				
7																																				
8																																				

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Relinquished By: Scott Drury Date: 5/25/14 Received By: Wm. Benson Time: 4:30

Delivered By: (Circle One) Sample - UPS - Bus - Other: 24 hr TAT Sample Condition: Intact Checked By: (initials)

REMARKS: 24 hr TAT

Phone Result: ☐ Yes ☐ No Add'l Phone #: _____

Fax Result: ☐ Yes ☐ No Add'l Fax #: _____

Email Results to: Scott.drury@skaconsulting.com

brian.weaver@

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,



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

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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)

BTX 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 BTX	<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

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



RUSH 24 hr TAT!

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		P.O. #:																								
Project Manager: Brian Weaver		Company:																								
Address: 1515 With Rd.		Attn:	SKA																							
City: Houston		Address:																								
State: TX Zip: 77080		City:																								
Phone #: Fax #:		State:	Zip:																							
Project #: 12009-0005		Project Owner:																								
Project Name: Turner B South TANK Battery		Phone #:																								
Project Location:		Fax #:																								
Sampler Name: Scott Dreury																										
FOR LAB USE ONLY																										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.		MATRIX		PRESERV		SAMPLING																		
		# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
4401153	Backfill 1	2			X					None		5/29/14	1429	X	X	X										
2	Backfill 2												1430	X	X	X										
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 analysis. 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 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 services hereunder by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise.																										
Relinquished By: Scott Dreury		Received By: Scott Weaver																								
Date: 5/29/14		Time: 3:40																								
Relinquished By:		Received By:																								
Delivered By: (Circle One)		Sample Condition		CHECKED BY: (Initials)																						
Sampler - UPS - Bus - Other:		Cool Intact		Yes Yes																						
1.20		No No		No No																						
REMARKS:		Email results to: Scott.Dreury@SKAconsulting.com brian.weaver@SKAconsulting.com																								

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.