RECEIVED ELECTRONIC REPORT

Form 3160-5 (August 2007)		UNITED STATES	NTERIOR	JUN	1 7 2015	OMB N	APPROVED O. 1004-0135 July 31, 2010
	SUNDRY	UREAU OF LAND MANA NOTICES AND REPO	RTS ON W	ELFLES U OF LA	AND MANAGEM	5. Lease Serial No. NT751141038	
	Do not use thi abandoned wel	s form for proposals to II. Use form 3160-3 (AP	drill or to re D) for such p	-enter an proposals.		6. If Indian, Allottee of UTE MOUNTAL	r Tribe Name N UTE
	SUBMIT IN TRI	PLICATE - Other instruc	tions on rev	erse side.		7. If Unit or CA/Agree	ement, Name and/or No.
Type of Well Oil Well	☐ Gas Well ☐ Oth	ner				8. Well Name and No. PRAIRIE FALCOI	N 19-1
2. Name of Opera	ator		CARLA S GI			9. API Well No. 30-045-35628-0	0-S1
	STREET, SUITE D, CO 80228	400	3b. Phone No Ph: 303-94	o. (include area co 45-2643	ode)	10. Field and Pool, or VERDE GALLU	Exploratory P
4. Location of We	ell (Footage, Sec., T	., R., M., or Survey Description)			11. County or Parish,	and State
	N R14W NWNE 66 N Lat, 108.348346					SAN JUAN COL	JNTY, NM
1	2. CHECK APPE	ROPRIATE BOX(ES) TO) INDICATE	E NATURE O	F NOTICE, RI	EPORT, OR OTHE	R DATA
TYPE OF S							
Notice of Intent ☐ Acidize ☐ Deepen						ion (Start/Resume)	☐ Water Shut-Off
_		☐ Alter Casing	cture Treat	□ Reclama	ation	■ Well Integrity	
☐ Subsequen	t Report	□ Casing Repair	□ Nev	w Construction	☐ Recomp	lete	Other
☐ Final Abar	ndonment Notice	☐ Change Plans	Plug	g and Abandon	□ Tempor	arily Abandon	
		☐ Convert to Injection	☐ Plug	g Back	□ Water D	Disposal	
If the proposal Attach the Bon following comp testing has been	is to deepen directions d under which the wor pletion of the involved	eration (clearly state all pertiner ally or recomplete horizontally, k will be performed or provide operations. If the operation re andonment Notices shall be fil- inal inspection.)	give subsurface the Bond No. o sults in a multip	locations and me n file with BLM/le le completion or i	easured and true ve BIA. Required sub recompletion in a r	rtical depths of all pertin osequent reports shall be new interval, a Form 316	ent markers and zones. filed within 30 days 0-4 shall be filed once
by Adkins C results will a Bridgecreek	onsulting, Inc. for llow reserve pit cla	rado), L.L.C., submits the the Prairie Falcon 19-1 w osure that is protective of rado), L.L.C., is requesting	ell. The cond human healt	clusion after ex th and the env	xamination of ironment.	d	
closure.						OIL CONS. D	V DIST. 3
						JUL 09	2015
14. I hereby certif	fy that the foregoing is	true and correct. Electronic Submission # For BRIDGECREEK itted to AFMSS for proces	305253 verifie RESOURCES sing by BARE	d by the BLM \ COLO LLC, s	Well Information ent to the Durar Y on 06/22/2015	System ngo (15BDT0305SE)	
Name (Printed)	Typed) CARLAS				ULATORY ASS		

Signature (Electronic Submission) 06/17/2015 THIS SPACE FOR FEDERAL OR STATE OFFICE USE Title Approved By

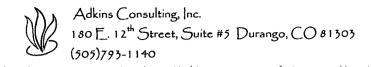
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office TRES RIOS FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.







June 14, 2015

Mr. Ryan Joyner
Bureau of Land Management
Tres Rios Field Office
Land and Minerals
15 Burnett Court
Durango, CO 81301

RE: Reserve Pit Sampling. Bridgecreek Resources. Prairie Falcon 19-1. Sec. 19, T31N.R1. Lease #751-14-1038.

Mr. Joyner:

On the behalf of Bridgecreek Resources (Bridgecreek), Adkins Consulting Inc. (ACI) is pleased to submit this report for Task III – Reserve Pit Sampling and Closure as outlined in the Reclamation Plan dated February 26, 2015.

The reserve pit was sampled by Mr. Andrew Parker and Ms. Maria Adkins of ACI on May 7, 2015. Samples were collected for the analysis of constituents listed in the Utu Mountain Ute (UMU) Tribe's "Standards for Spill Clean-up and Reclamation" table and chloride. The UMU Table standards were adopted from the Colorado Oil and Gas Commission's (COGCCs) Table 910-1 located in COGCC's 900 Series Rule.

Sampling Methodology

Per the reserve pit sampling plan, we obtained six (6) core samples of drill cuttings from the reserve pit; 3 cores samples along the northeast edge and 3 core samples along the southwest edge (see Exhibit 1). Each core sample was collected using a 2-inch PVC sampler. The core sampler was angled at a 45 degrees and penetrated the drill cuttings approximately 1-foot (Figure 1). At 1-foot the core sampler encountered refusal either due to the clay-like consistency of the drill cuttings or the pit liner.

Approximately 18-inches of stormwater was present on



Figure 1: Reserve pit sampling with a 2" PVC core sampler.

top of drill cuttings.

The 6 core samples were volumetrically folded into a 5 gallon bucket. Gently folding the composite core samples blended the contents into a homogenous mixture while avoiding agitation and volatilization. One composite sample was collected and submitted to Hall Environmental Analysis Laboratory (HEAL) for the analysis of constituents listed in the UMU Table and chloride.

The background sample used in the mixing ratio, discussed below, was collected from the spoil piles during the well pad sampling program. Please refer to our "Well Pad Sampling" reported dated May 12, 2015 for details.

Analytical Results and Comparison to Soil Evaluation Values and Calculations

A summary of analytical results are presented in Table 1. The laboratory Certificate of Analysis is located in Appendix A. We compared the results to the UMU Table (December 2007), to the Colorado Soil Evaluation Values (which are the basis of the values in the UMU Table), and NMOCD Rule 19.15.17 for chloride. Constituents exceeding standards are highlighted light red.

The reserve pit composite and the background sample were below UMU table concentrations except for Arsenic. Although the reserve pit Arsenic level is non-detect, the laboratory reporting level is above UMU Table standards. Locally, Arsenic concentration is naturally high as exhibited in the background sample (Spoil Pile). Therefore, Arsenic is not further evaluated. Additionally, pH is also naturally high as shown in the background sample (pH=8.1)

A detailed discussion of constituents exceeding UMU table is presented below. To the right of each constituent listed below is a short explanation demonstrating that constituents that exceed standards are not likely to impair human health and the environment when proper reserve pit closure procedures are followed as outlined in the approved APD.

pH |

A mixing ratio of 3 parts clean to 1 part Reserve Pit Composite (3:1 mixing ratio) shows pH concentrations exceed standards by 0.08. pH is important how easily plants intake nutrients in soil. The drill cuttings will be buried 3 to 4 feet below ground surface and capped with native background soil. The drill cuttings will be below the root zone of plants. The 0.08 pH exceedance of the standard will most likely have no impact on revegetation efforts. A mixing ratio of 3 parts clean to 1 part Reserve Pit Composite (3:1 mixing ratio) shows SAR exceeds UMU table standards. We

SAR

A mixing ratio of 3 parts clean to 1 part Reserve Pit Composite (3:1 mixing ratio) shows SAR exceeds UMU table standards. We reviewed the SAR Calculation concentrations and conclude the high SAR is the result of the ratio of high sodium (Na) compared to magnesium (Mg) and calcium (Ca). High sodium is not surprising as drill cuttings were in contact with formation water and drilling fluid at the time of drilling. SAR is considered important for cropland and irrigation water as a high SAR ratio inhibits soil permeability. The observed SAR concentration in the reserve pit composite sample is not a threat to human health or the environment as the reserve pit drill cuttings will be buried 3 to 4 feet below ground surface and capped with native background



soil. The drill cuttings will be below the root zone of plants.

To calculate the mixing ratio, we:

- 1. Multiplied the "Spoil Pile" (clean) concentration by the clean soil mixing ratio. For example, a mixing ratio of "2:1" has a multiplier of "2".
- 2. Added the clean soil result to the Reserve Pit Composite concentration.
- 3. Divided by the number of concentrations added in the numerator (mixing ratio plus 1).
- 4. If the constituent of concentration exhibits non-detect, the laboratory reporting limit was used. This creates a <u>"worse-case"</u> scenario for the constituent of concern and is most protective of human health and the environment.

For a mixing ration of 2:1, the equation yields:

$$(clean soil X 2) + contituent of concern concentration$$

3

Table 2 shows the mixing ratio of 3:1 will slightly exceed UMU Table standards for pH and SAR. As discussed in the above section, the mixed drill cuttings is not likely to impair human health and the environment.

Conclusion

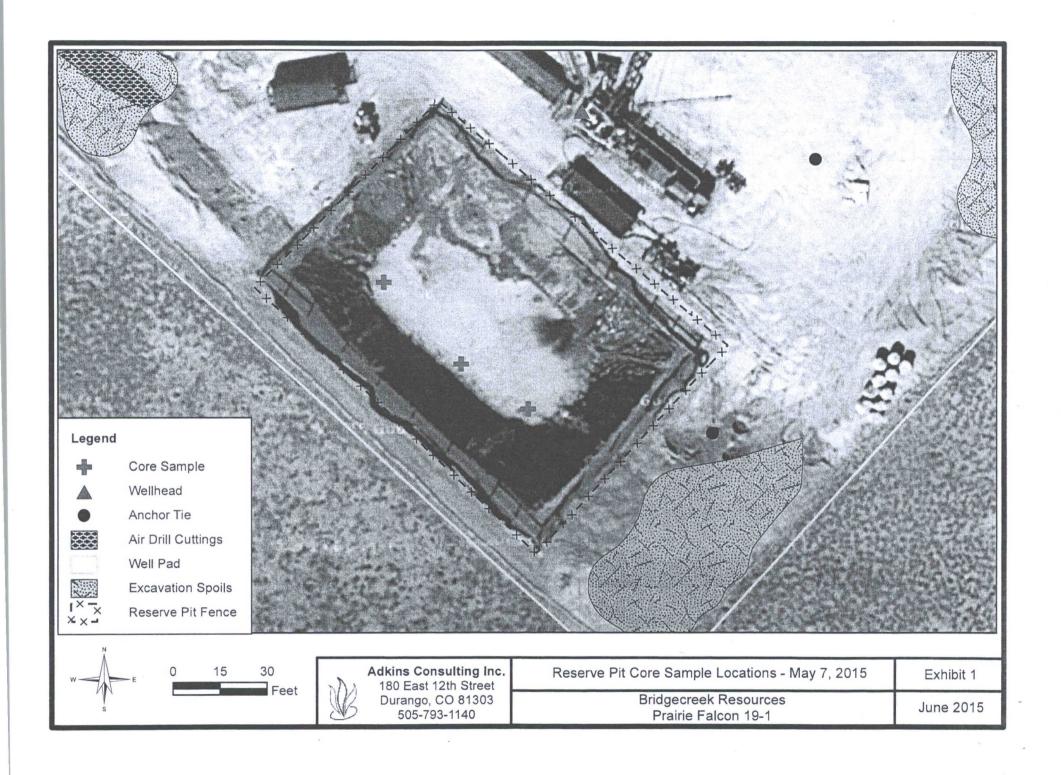
Examination of analytical results and mixing ratios for the reserve pit composite sample, we conclude that mixing 3 parts clean (Spoil Pile) material to 1 part drill cuttings and the reserve it is closed according to the COA attached to the APD will result in a reserve pit closure that is protective of human health and the environment. A mixing ratio of up to 3:1 is permitted in accordance with NMCOD 19.15.17. COGCC Rule 900 Series allows for in place burial of E&P waste so that the waste does not exceed UMU Table standards.

If you have any questions or comments please contact me at 970-570-9535.

Andrew Parker
Adkins Consulting, Inc
Durango, CO
970-570-9535
andrew@adkinsenvironmental.com

Cc: Christine Campbell, Bridgecreek Resources
John Thompson, Walsh Engineering

Exhibits



Tables

Table 1: Summary of Analytical Results

Sample ID	Date	DRO (8015D)	MRO (8015D)	GRO (8015D)	TPH(EPA 8015)	Benzene	Toluene	Ethylbenzene	Xylenes (total)
		mg/kg_	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Spoil Pile	3/31/2015	<10	<50	<5.0	<65	<0.050	<0.050	<0.050	<0.099
Reserve Pit	5/7/2015	22	<50	14	36	0.13	0.42	0.22	0.82
UMU Table (COG	CC Table 910-1)				500	0.17	85	100	175
CDPHE-HMWIMD	/EPA SSLs					5.10	4,700	25	250

Notes:

exceeds guidelines
exceeds EPA SSL Standards

Table 1: Summary of Analytical Results

Sample ID	Date	Chloride	Mercury	Arsenic	Barium	Boron	Cadmium	Chromium	Chromium VI	Copper	Lead	Nickel	Selenium	Silver
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Spoil Pile	3/31/2015	23	<0.034	3.8	140	NS	<0.10	7.2	<2	6.2	3.4	7.8	<2.5	<0.25
Reserve Pit	5/7/2015	140	<0.033	<2.6	2800	NS	0,11	6.4	<2	21	4.3	6.1	<2.6	<0.26
UMU Table (COG	CC Table 910-1)		23	0.39	15,000	4	70	120,000 .	23	3,100	400	1,600	390	390
CDPHE-HMWMD	/EPA S\$Ls		35	3.00	22,400		98	180,000	6	4,700	800	2,200	580	580

Notes

exceeds guidelines
exceeds EPA SSL Standards

Table 1: Summary of Analytical Results

Sample ID	Date	Zinc	рН	Naphthalene	Acenaphthene	Fluorene	Anthracene	Fluoranthene	Pyrene	Benzo(A)anthracene	Chrysene
-		mg/kg		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Spoil Pile	3/31/2015	27	8.1	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Reserve Pit	5/7/2015	40	12	0.062	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
UMU Table (COG	 CC Table 910-1)	23,000	6-9	23	1,000	1,000	1,000	1,000	1,000	0.22	22
CDPHE-HMWMD	EPA SSLs	35,000		17	4,500	3,000	23,000	3,000	2,300	2.90	290 .

Notes:

exceeds guidelines exceeds EPA SSL Standards

Table 1: Summary of Analytical Results

Sample ID	Date *	Benzo(B)fluoranthene	Benzo(K)floranthene	Benzo(A)pyrene	Dibenzo(A,H)anthracene
		mg/kg	mg/kg	mg/kg	mg/kg
Spoil Pile	3/31/2015	<0.020	<0.020	<0.020	<0.020
Reserve Pit	5/7/2015	<0.020	<0.020	<0.020	<0.020
UMU Table (COG	GCC Table 910-1)	0.22	2.20	0.022	0.022
CDPHE-HMWMD	/EPA SSLs	2.90	29.00	0.29	0.290

exceeds guidelines
exceeds EPA SSL Standards

Table 1: Summary of Analytical Results

Sample ID	Date	Indeno(1,2,3-cd)pyrene	Sodium Absportion Ratio	Electrical Conductivity	ORP
		mg/kg	-	mmhos/cm	m۷
Spoil Pile	3/31/2015	<0.020	5.4	1.32	82
Reserve Pit	5/7/2015	<0.020	49	2.38	16
UMU Table (COG	GCC Table 910-1)	0.22	<12	<4 or 2x background	1
CDPHE-HMWMD	/EPA SSLs	2.90			

Notes: exceeds guidelines exceeds EPA SSL Standards

exceeds guidelines	Notes:		CDPHE-HMWMD/EPA SSLS	NMOCD (Rule 19.15.17)	UMU Table (COGCC Table 910-1)					
			A SSLs	.17)	Table 910-1)	3:1	2:1	1:1	clean:actual	Mixing Ratio
			-			01-01	0T-01	07-01		Sample ID
		•				13.00	14.00	16.00	mg/kg	DRO (8015D)
						50.00	50.00	50.00	mg/kg	MRO (80150)
						7.25	8.00	9.50	mg/kg	GRO (8015D)
					500	57.75	55.33	50.50	mg/kg	TPH(EPA 8015)
			5.10		0.17	0.07	0.08	0.09	mg/kg	Benzene
			4,700		85	0.14	0.17	0.24	mg/kg	Toluene
			25		100	0.09	0.11	0.14	mg/kg	Ethylbenzene
			250		175	0.28	0.34	0.46	mg/kg	Xylenes (total)
				80,000		52.25	62.00	81.50	mg/kg	Chloride
			35		23	0.03	0.03	0.03	mg/kg	Mercury
			3		0.39	3.50	3,40	3.20	mg/kg	Arsenic
			22,400		15,000	805.00	1026.67	1470.00	mg/kg	Barium
										_

Mixing Ratio	Sample ID	Cadmium	Chromium	Chromium VI	Copper	peaj	Nickel	Sefenium Silver	Sifver	Zinc	Hd	PH Naphthalene	Accountthone	Finance	Onethraceno
deansactual		mg/kg	١.	mg/kg	mg/kg	a)/8≡	mg/kg	mg/kg	mg/kg	ma/ka		ma/ke	W-W	-/	TO ALC
1:1	0T-01	0.11	6.80	2:00	13.60	3.85	6.95	2.50	0.26	9	10.05	200	2000	200	E CO
2:1	01-01	0.10	6.93	2.00	11.13	3.70	27.23	2.47	0.25	31.33	09.6	500	200	200	0.02
3:1	DT-01	0.10	7.00	2.00	9.90	3.63	7.38	2.45	ž	Т	8	600	20.0	0.02	70.0
						1		!		٦.		25.0	70.0	20.0	0.02
UMU Table (COGCC Table 910-1)		8	120,000	EZ	3,100	64	7,600	390	390	22,000	9	33	000		
NMOCD (Rule 19.15.17)												3	7,000	7,000	7,000
CDPHE-HMWMD/EPA SSLS		86	180,000	6.30	4,700	4,700 800 2,200	2,200	580	580	35,000	T	12	4 500	000.6	11 000

Notes:
exceeds guidelines
exceeds EPA SSL Standards

Table 2: Mixing Ratio

Mixing Ratio	Sample ID	Fluoranthene	· Pyrene	Benzo(A)anthracene	Chrysene	Benzo(B)fluoranthene	Benzo(K)floranthene	Benzo(A)pyrene	Dibenzo(A,H)anthracene 🛠 😁
dean:actual		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1:1	DT-01	0.02	0.02	0.02	0.02	0.02	0.02	0.020	0.020
2:1	DT-01	0.02	0.02	0.02	0.02	0.02	0.02	0.020	0.020
3:1	DT-01	0.02	0.02	0.02	0.02	0.02	0.02	0.020	0.020
			-						
UMU Table (COGCC Table 910-1)		1,000	1,000	0.22	22	0.22	2.20	0.022	0.022
NMOCD (Rule 19.15.17)									
COPHE-HMWMD/EPA SSLs		3,000	2,300	2.90	290	2.90	29	0.29	0.29

Notes:	_	_	 		
exceeds guidelines	₹	•	 		
exceeds EPA SSL Standards				. "	

Table 2: Mixing Ratio

Mixing Ratio	Sample ID	Indeno(1,2,3-cd)pyrene	Sodium Absportion Ratio	Electrical Conductivity
clean:actual		mg/kg	<u>-</u>	mmhos/cm
1:1	DT-01	0.02	27	1.85
2:1	DT-01	0.02	20	1.67
3:1	DT-01	0.02	16	1.59
UMU Table (COGCC Table 910-1)		0.22	<12	<4 or 2x background
VMOCD (Rule 19.15.17)				,
DPHE-HMWMD/EPA SSLs		2.9		1

Notes:	
exceeds guidelines	
exceeds EPA SSL Standards	

Appendix A



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

June 09, 2015

Andrew Parker
Adkins Consulting Inc
180 E. 12th Street #5
Durango, CO 81303

TEL: (505) 793-1140

FAX

RE: Prairie Falcon 19-1

OrderNo.: 1505363

Dear Andrew Parker:

Hall Environmental Analysis Laboratory received 2 sample(s) on 5/8/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1505363

Date Reported: 6/9/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Adkins Consulting Inc

Client Sample ID: Reserve Pit

Project:

Prairie Falcon 19-1

Collection Date: 5/7/2015 12:30:00 PM

Lab ID:

1505363-001

Matrix: SOIL

Received Date: 5/8/2015 7:00:00 AM

Part Part	Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
Pack Pack	SAR SOLUBLE CATIONS		-				Analyst	: ELS
Chloride	Sodium Adsorption Ratio	49	.0			1	5/26/2015 9:33:00 AM	19353
Chloride	EPA METHOD 300.0: ANIONS						Analyst	: LGT
RESISTIVITY AND EC SOIL 2380 1.00 µmhos/cm 1 5/13/2015 10:09:00 AM 19	•	140	30		ma/Ka	20	•	
Conductivity 2380 1.00		,	00		99			
Mercury ND 0.033 mg/Kg 1 5/29/2015 12:33:49 PM 19		0000	4.00				•	
Mercury ND 0.033 mg/Kg 1 5/29/2015 12:33:49 PM 19 EPA METHOD 6010B: SOIL METALS EAnalyst: EL Arsenic ND 2.6 mg/Kg 1 5/20/2015 11:51:16 AM 19 Barium 2800 2.1 mg/Kg 1 5/20/2015 11:51:16 AM 19 Cadmium 0.11 0.10 mg/Kg 1 5/20/2015 11:51:16 AM 19 Chromium 6.4 0.31 mg/Kg 1 5/20/2015 11:51:16 AM 19 Copper 21 0.31 mg/Kg 1 5/20/2015 11:51:16 AM 19 Lead 4.3 0.26 mg/Kg 1 5/20/2015 11:51:16 AM 19 Nickel 6.1 0.26 mg/Kg 1 5/20/2015 11:51:16 AM 19 Selenium ND 0.26 mg/Kg 1 5/20/2015 11:51:16 AM 19 Silver ND 0.26 mg/Kg 1 5/20/2015 11:51:16 AM 19 <td>· .</td> <td>2380</td> <td>1.00</td> <td></td> <td>µmnos/cm</td> <td>1</td> <td>5/13/2015 10:09:00 AM</td> <td>19193</td>	· .	2380	1.00		µmnos/cm	1	5/13/2015 10:09:00 AM	19193
Analyst: EA Analyst: EA	EPA METHOD 7471: MERCURY						Analyst	: MED
Arsenic ND 2.6 mg/Kg 1 5/20/2015 11:51:16 AM 19 Barium 2800 2.1 mg/Kg 20 5/20/2015 11:51:16 AM 19 Cadmium 0.11 0.10 mg/Kg 1 5/20/2015 11:51:16 AM 19 Chromium 6.4 0.31 mg/Kg 1 5/20/2015 11:51:16 AM 19 Copper 21 0.31 mg/Kg 1 5/20/2015 11:51:16 AM 19 Lead 4.3 0.26 mg/Kg 1 5/20/2015 11:51:16 AM 19 Nickel 6.1 0.52 mg/Kg 1 5/20/2015 11:51:16 AM 19 Selenium ND 2.6 mg/Kg 1 5/20/2015 11:51:16 AM 19 Selenium ND 0.26 mg/Kg 1 5/20/2015 11:51:16 AM 19 Zinc ND 0.26 mg/Kg 1 5/20/2015 11:51:16 AM 19 Zinc ND 0.26 mg/Kg 1 5/20/2015 11:51:16 AM 19 EPA METHOD 8015D: DIESEL RANGE ORGANICS Diesel Range Organics (DRO) 22 10 mg/Kg 1 5/20/2015 11:51:16 AM 19 Surr: DNOP 108 57.9-140 mg/Kg 1 5/12/2015 4:37:11 PM 19 Surr: DNOP 108 57.9-140 mg/Kg 1 5/12/2015 4:37:11 PM 19 EPA METHOD 8015D: GASOLINE RANGE Gasoline Range Organics (GRO) 14 5.0 mg/Kg 1 5/12/2015 4:37:11 PM 19 Surr: BFB 133 80-120 S %REC 1 5/12/2015 3:30:56 PM 19 Surr: BFB 133 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 FPA METHOD 8021B: VOLATILES Benzene 0.13 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Toluene 0.42 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Ethylbenzene 0.22 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Xylenes, Total 0.82 0.10 mg/Kg 1 5/12/2015 3:30:56 PM 19	Mercury	ND	0.033		mg/Kg	4	5/29/2015 12:33:49 PM	19445
Barium 2800 2.1 mg/Kg 20 5/20/2015 1:45:16 PM 19 Cadmium 0.11 0.10 mg/Kg 1 5/20/2015 11:51:16 AM 19 Chromium 6.4 0.31 mg/Kg 1 5/20/2015 11:51:16 AM 19 Copper 21 0.31 mg/Kg 1 5/20/2015 11:51:16 AM 19 Lead 4.3 0.26 mg/Kg 1 5/20/2015 11:51:16 AM 19 Nickel 6.1 0.52 mg/Kg 1 5/20/2015 11:51:16 AM 19 Selenium ND 2.6 mg/Kg 1 5/20/2015 11:51:16 AM 19 Silver ND 0.26 mg/Kg 1 5/20/2015 11:51:16 AM 19 Zinc 40 2.6 mg/Kg 1 5/20/2015 11:51:16 AM 19 EPA METHOD 8015D: DIESEL RANGE ORGANICS EPA METHOD 8015D: DIESEL RANGE ORGANICS Diesel Range Organics (DRO) 22 10 mg/Kg 1 5/12/2015 4:37:11 PM 19	EPA METHOD 6010B: SOIL METALS	•					Analyst	: ELS
Cadmium 0.11 0.10 mg/kg 1 5/20/2015 11:51:16 AM 19 Chromium 6.4 0.31 mg/kg 1 5/20/2015 11:51:16 AM 19 Copper 21 0.31 mg/kg 1 5/20/2015 11:51:16 AM 19 Lead 4.3 0.26 mg/kg 1 5/20/2015 11:51:16 AM 19 Nickel 6.1 0.52 mg/kg 1 5/20/2015 11:51:16 AM 19 Selenium ND 2.6 mg/kg 1 5/20/2015 11:51:16 AM 19 Silver ND 0.26 mg/kg 1 5/20/2015 11:51:16 AM 19 Zinc ND 0.26 mg/kg 1 5/20/2015 11:51:16 AM 19 EPA METHOD 8015D: DIESEL RANGE ORGANICS EPA METHOD 8015D: DIESEL RANGE ORGANICS Diesel Range Organics (DRO) 22 10 mg/kg 1 5/12/2015 4:37:11 PM 19 Motor Oil Range Organics (MRO) ND 50 mg/kg 1 5/12/2015 4:37:11 PM 19 <	Arsenic	ND	2.6		mg/Kg	1	5/20/2015 11:51:16 AM	19279
Chromium 6.4 0.31 mg/Kg 1 5/20/2015 11:51:16 AM 19 Copper 21 0.31 mg/Kg 1 5/20/2015 11:51:16 AM 19 Lead 4.3 0.26 mg/Kg 1 5/20/2015 11:51:16 AM 19 Nickel 6.1 0.52 mg/Kg 1 5/20/2015 11:51:16 AM 19 Selenium ND 2.6 mg/Kg 1 5/20/2015 11:51:16 AM 19 Silver ND 0.26 mg/Kg 1 5/20/2015 11:51:16 AM 19 Zinc 40 2.6 mg/Kg 1 5/20/2015 11:51:16 AM 19 Zinc 40 2.6 mg/Kg 1 5/20/2015 11:51:16 AM 19 Zinc 40 2.6 mg/Kg 1 5/20/2015 11:51:16 AM 19 Zinc 40 2.6 mg/Kg 1 5/20/2015 11:51:16 AM 19 EPA METHOD 8015D: DIESEL RANGE ORGANICS 2 1 mg/Kg 1 5/12/2015 4:37:11 PM	Barium	2800	2.1		mg/Kg	20	5/20/2015 1:45:16 PM	19279
Copper 21 0.31 mg/Kg 1 5/20/2015 11:51:16 AM 19 Lead 4.3 0.26 mg/Kg 1 5/20/2015 11:51:16 AM 19 Nickel 6.1 0.52 mg/Kg 1 5/20/2015 11:51:16 AM 19 Selenium ND 2.6 mg/Kg 1 5/20/2015 11:51:16 AM 19 Silver ND 0.26 mg/Kg 1 5/20/2015 11:51:16 AM 19 Zinc 40 2.6 mg/Kg 1 5/20/2015 11:51:16 AM 19 EPA METHOD 8015D: DIESEL RANGE ORGANICS Canalyst: KJ Diesel Range Organics (DRO) 22 10 mg/Kg 1 5/12/2015 4:37:11 PM 19 Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 5/12/2015 4:37:11 PM 19 Sum: DNOP 108 57.9-140 %REC 1 5/12/2015 4:37:11 PM 19 EPA METHOD 8015D: GASOLINE RANGE Analyst: NS Gasoline Range Org	Cadmium	0.11	0.10		mg/Kg	1	5/20/2015 11:51:16 AM	19279
Lead 4.3 0.26 mg/Kg 1 5/20/2015 11:51:16 AM 19 Nickel 6.1 0.52 mg/Kg 1 5/20/2015 11:51:16 AM 19 Selenium ND 0.26 mg/Kg 1 5/20/2015 11:51:16 AM 19 Silver ND 0.26 mg/Kg 1 5/20/2015 11:51:16 AM 19 Zinc 40 2.6 mg/Kg 1 5/20/2015 11:51:16 AM 19 EPA METHOD 8015D: DIESEL RANGE ORGANICS Fanalyst: KJ Diesel Range Organics (DRO) 22 10 mg/Kg 1 5/12/2015 4:37:11 PM 19 Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 5/12/2015 4:37:11 PM 19 Surr: DNOP 108 57.9-140 %REC 1 5/12/2015 4:37:11 PM 19 EPA METHOD 8015D: GASOLINE RANGE Fanalyst: NS Gasoline Range Organics (GRO) 14 5.0 mg/Kg 1 5/12/2015 3:30:56 PM 19 Surr:	Chromium	6.4	0.31		mg/Kg	1	5/20/2015 11:51:16 AM	19279
Nickel 6.1 0.52 mg/Kg 1 5/20/2015 11:51:16 AM 19 Selenium ND 2.6 mg/Kg 1 5/20/2015 11:51:16 AM 19 Silver ND 0.26 mg/Kg 1 5/20/2015 11:51:16 AM 19 Zinc 40 2.6 mg/Kg 1 5/20/2015 11:51:16 AM 19 EPA METHOD 8015D: DIESEL RANGE ORGANICS EPA METHOD 8015D: DIESEL RANGE ORGANICS Analyst: KJ Diesel Range Organics (DRO) 22 10 mg/Kg 1 5/12/2015 4:37:11 PM 19 Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 5/12/2015 4:37:11 PM 19 Surr: DNOP 108 57.9-140 %REC 1 5/12/2015 4:37:11 PM 19 EPA METHOD 8015D: GASOLINE RANGE Analyst: NS Gasoline Range Organics (GRO) 14 5.0 mg/Kg 1 5/12/2015 3:30:56 PM 19 Surr: BFB 133 80-120 S %REC 1 5/12/2015 3:30:56	Copper	21	0.31		mg/Kg	1	5/20/2015 11:51:16 AM	19279
Selenium ND 2.6 mg/Kg 1 5/20/2015 11:51:16 AM 19 Silver ND 0.26 mg/Kg 1 5/20/2015 11:51:16 AM 19 Zinc 40 2.6 mg/Kg 1 5/20/2015 11:51:16 AM 19 EPA METHOD 8015D: DIESEL RANGE ORGANICS Analyst: KJ Diesel Range Organics (DRO) 22 10 mg/Kg 1 5/12/2015 4:37:11 PM 19 Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 5/12/2015 4:37:11 PM 19 Surr: DNOP 108 57.9-140 %REC 1 5/12/2015 4:37:11 PM 19 EPA METHOD 8015D: GASOLINE RANGE Analyst: NS Gasoline Range Organics (GRO) 14 5.0 mg/Kg 1 5/12/2015 3:30:56 PM 19 Surr: BFB 133 80-120 S %REC 1 5/12/2015 3:30:56 PM 19 EPA METHOD 8021B: VOLATILES EPA METHOD 8021B: VOLATILES Analyst: NS Benzene 0.13 0.050	Lead	4.3	. 0.26		mg/Kg	1	5/20/2015 11:51:16 AM	19279
Silver ND 0.26 mg/Kg 1 5/20/2015 11:51:16 AM 19/20 amg/Kg Zinc 40 2.6 mg/Kg 1 5/20/2015 11:51:16 AM 19/20 amg/Kg EPA METHOD 8015D: DIESEL RANGE ORGANICS Analyst: KJ Diesel Range Organics (DRO) 22 10 mg/Kg 1 5/12/2015 4:37:11 PM 19/20 amg/Kg 1 5/12/2015 3:30:56 PM 19/20 amg/Kg 1 <t< td=""><td>Nickel</td><td>6.1</td><td>0.52</td><td></td><td>mg/Kg</td><td>1</td><td>5/20/2015 11:51:16 AM</td><td>19279</td></t<>	Nickel	6.1	0.52		mg/Kg	1	5/20/2015 11:51:16 AM	19279
Zinc 40 2.6 mg/Kg 1 5/20/2015 11:51:16 AM 19 EPA METHOD 8015D: DIESEL RANGE ORGANICS Analyst: KJ Diesel Range Organics (DRO) 22 10 mg/Kg 1 5/12/2015 4:37:11 PM 19 Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 5/12/2015 4:37:11 PM 19 Surr: DNOP 108 57.9-140 %REC 1 5/12/2015 4:37:11 PM 19 EPA METHOD 8015D: GASOLINE RANGE Analyst: NS Gasoline Range Organics (GRO) 14 5.0 mg/Kg 1 5/12/2015 3:30:56 PM 19 Surr: BFB 133 80-120 8 %REC 1 5/12/2015 3:30:56 PM 19 EPA METHOD 8021B: VOLATILES EPA METHOD 8021B: VOLATILES Analyst: NS Benzene 0.13 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Toluene 0.42 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19	Selenium	. ND	2.6		mg/Kg	1	5/20/2015 11:51:16 AM	19279
EPA METHOD 8015D: DIESEL RANGE ORGANICS	Silver	ND	0.26		mg/Kg	1	5/20/2015 11:51:16 AM	19279
Diesel Range Organics (DRO) 22 10 mg/Kg 1 5/12/2015 4:37:11 PM 19 Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 5/12/2015 4:37:11 PM 19 Surr: DNOP 108 57.9-140 %REC 1 5/12/2015 4:37:11 PM 19 EPA METHOD 8015D: GASOLINE RANGE Analyst: NS Gasoline Range Organics (GRO) 14 5.0 mg/Kg 1 5/12/2015 3:30:56 PM 19 Surr: BFB 133 80-120 S %REC 1 5/12/2015 3:30:56 PM 19 EPA METHOD 8021B: VOLATILES Analyst: NS Benzene 0.13 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Toluene 0.42 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Ethylbenzene 0.22 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Xylenes, Total 0.82 0.10 mg/Kg 1 5/12/2015 3:30:56 PM	Zinc	40	2.6		mg/Kg	1	5/20/2015 11:51:16 AM	19279
Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 5/12/2015 4:37:11 PM 19 Surr: DNOP 108 57.9-140 %REC 1 5/12/2015 4:37:11 PM 19 EPA METHOD 8015D: GASOLINE RANGE Analyst: NS Gasoline Range Organics (GRO) 14 5.0 mg/Kg 1 5/12/2015 3:30:56 PM 19 Surr: BFB 133 80-120 S %REC 1 5/12/2015 3:30:56 PM 19 EPA METHOD 8021B: VOLATILES Analyst: NS Benzene 0.13 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Toluene 0.42 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Ethylbenzene 0.22 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Xylenes, Total 0.82 0.10 mg/Kg 1 5/12/2015 3:30:56 PM 19	EPA METHOD 8015D: DIESEL RANG	E ORGANICS			•		Analyst	: KJH
Surr: DNOP 108 57.9-140 %REC 1 5/12/2015 4:37:11 PM 19 EPA METHOD 8015D: GASOLINE RANGE Analyst: NS Gasoline Range Organics (GRO) 14 5.0 mg/Kg 1 5/12/2015 3:30:56 PM 19 Surr: BFB 133 80-120 S %REC 1 5/12/2015 3:30:56 PM 19 EPA METHOD 8021B: VOLATILES Analyst: NS Benzene 0.13 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Toluene 0.42 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Ethylbenzene 0.22 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Xylenes, Total 0.82 0.10 mg/Kg 1 5/12/2015 3:30:56 PM 19	Diesel Range Organics (DRO)	22	10		mg/Kg	1	5/12/2015 4:37:11 PM	19138
EPA METHOD 8015D: GASOLINE RANGE Analyst: NS Gasoline Range Organics (GRO) 14 5.0 mg/Kg 1 5/12/2015 3:30:56 PM 19 Sum: BFB 133 80-120 S %REC 1 5/12/2015 3:30:56 PM 19 EPA METHOD 8021B: VOLATILES Analyst: NS Benzene 0.13 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Toluene 0.42 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Ethylbenzene 0.22 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Xylenes, Total 0.82 0.10 mg/Kg 1 5/12/2015 3:30:56 PM 19	Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/12/2015 4:37:11 PM	19138
Gasoline Range Organics (GRO) 14 5.0 mg/Kg 1 5/12/2015 3:30:56 PM 19 Surr: BFB 133 80-120 S %REC 1 5/12/2015 3:30:56 PM 19 EPA METHOD 8021B: VOLATILES Analyst: NS Benzene 0.13 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Toluene 0.42 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Ethylbenzene 0.22 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Xylenes, Total 0.82 0.10 mg/Kg 1 5/12/2015 3:30:56 PM 19	Surr: DNOP	108	57.9-140		%REC	. 1	5/12/2015 4:37:11 PM	19138
Sum: BFB 133 80-120 S %REC 1 5/12/2015 3:30:56 PM 19 EPA METHOD 8021B: VOLATILES Benzene 0.13 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Toluene 0.42 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Ethylbenzene 0.22 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Xylenes, Total 0.82 0.10 mg/Kg 1 5/12/2015 3:30:56 PM 19	EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	: NSB
Surr: BFB 133 80-120 S %REC 1 5/12/2015 3:30:56 PM 19 EPA METHOD 8021B: VOLATILES Benzene 0.13 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Toluene 0.42 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Ethylbenzene 0.22 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Xylenes, Total 0.82 0.10 mg/Kg 1 5/12/2015 3:30:56 PM 19	Gasoline Range Organics (GRO)	14	5.0		mg/Kg	. 1	5/12/2015 3:30:56 PM	19132
Benzene 0.13 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Toluene 0.42 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Ethylbenzene 0.22 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Xylenes, Total 0.82 0.10 mg/Kg 1 5/12/2015 3:30:56 PM 19	Surr: BFB	133	80-120	s	%REC	1	5/12/2015 3:30:56 PM	19132
Toluene 0.42 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Ethylbenzene 0.22 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Xylenes, Total 0.82 0.10 mg/Kg 1 5/12/2015 3:30:56 PM 19	EPA METHOD 8021B: VOLATILES			•			Analyst	: NSB
Toluene 0.42 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Ethylbenzene 0.22 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Xylenes, Total 0.82 0.10 mg/Kg 1 5/12/2015 3:30:56 PM 19	Benzene	0.13	0.050		ma/Ka	1	5/12/2015 3:30:56 PM	19132
Ethylbenzene 0.22 0.050 mg/Kg 1 5/12/2015 3:30:56 PM 19 Xylenes, Total 0.82 0.10 mg/Kg 1 5/12/2015 3:30:56 PM 19	Toluene	0.42	0.050		• •	1	5/12/2015 3:30:56 PM	19132
Xylenes, Total 0.82 0.10 mg/Kg 1 5/12/2015 3:30:56 PM 19	Ethylbenzene	0.22	0.050			1	5/12/2015 3:30:56 PM	19132
	•	0.82	0.10			1	5/12/2015 3:30:56 PM	19132
	Surr: 4-Bromofluorobenzene	118	80-120		,	1	5/12/2015 3:30:56 PM	19132
EPA METHOD 8270C: PAHS Analyst: JD	EPA METHOD 8270C: PAHS						Analyst	: JDC
·	Naphthalene	0.062	0.020		ma/Ka	1	•	19300
	· · · · · · · · · · · · · · · · · · ·					-		19300
	· ·					-		19300

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDI mit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 1 of 11

- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report Lab Order 1505363

Date Reported: 6/9/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Adkins Consulting Inc

Project: Prairie Falcon 19-1

Lab ID: 1505363-001

Client Sample ID: Reserve Pit

Collection Date: 5/7/2015 12:30:00 PM

Received Date: 5/8/2015 7:00:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8270C: PAHS	• =				Analyst	: JDC
Anthracene	ND	0.020	mg/Kg	1	5/20/2015 4:45:09 PM	19300
Fluoranthene	ND	0.020	mg/Kg	1	5/20/2015 4:45:09 PM	19300
Pyrene	ND	0.020	mg/Kg	1	5/20/2015 4:45:09 PM	19300
Benz(a)anthracene	ND	0.020	mg/Kg	1	5/20/2015 4:45:09 PM	19300
Chrysene	ND	0.020	mg/Kg	1	5/20/2015 4:45:09 PM	19300
Benzo(b)fluoranthene	ND	0.020	mg/Kg	1	5/20/2015 4:45:09 PM	19300
Benzo(k)fluoranthene	ND	0.020	mg/Kg	1	5/20/2015 4:45:09 PM	19300
Benzo(a)pyrene	ND	0.020	mg/Kg	1	5/20/2015 4:45:09 PM	19300
Dibenz(a,h)anthracene	ND	0.020	mg/Kg	1	5/20/2015 4:45:09 PM	19300
Indeno(1,2,3-cd)pyrene	ND	0.020	mg/Kg	1	5/20/2015 4:45:09 PM	19300
Surr: Benzo(e)pyrene	58.5	32.5-200	%REC	1	5/20/2015 4:45:09 PM	19300
Surr: N-hexadecane	103	46.4-117	%REC	1	5/20/2015 4:45:09 PM	19300

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 2 of 11

- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report

Lab Order 1505363

Date Reported: 6/9/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Adkins Consulting Inc

Project: Prairie Falcon 19-1

Lab ID: 1505363-002

Client Sample ID: Spoil Pile

Collection Date: 5/7/2015 12:40:00 PM

Received Date: 5/8/2015 7:00:00 AM

Analyses	Result	RL Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Anai	yst: LGT
Chloride	· 23	1.5	mg/Kg	1 5/19/2015 11:46:34	AM 19298

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 3 of 11

- P Sample pH Not In Range
- RL Reporting Detection Limit

1505363001B RESERVE PIT

SAMPLE RESULTS - 01

ONE LAB. NATIONWIDE.

Wet Chemistry by Method 2580 B-2011

	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	m∀			date 'time		
ORP	16		1	05/14/2015 15:54	WG788555	
Wet Chemistry by Metho	74 3UEUV	/7196A				

	Result	Qualifier	RDL	Dilution	Analysis	<u>Batch</u>	
Analyte	mg:kg		mg kg		date time		
Chromium, Hexavalent	ND		2.00	1	05/14/2015 02:57	WG788333	

Wet Chemistry by Method 9045D

		Result	Qualifier	Dilution	Analysis	Batch	·	
Analyte	,	Su	,		date time			• .
pH		12.0		11	05/13/2015 10:11	WG788331	•	
						•		

Sample Narrative:

9045D L764418-01 WG788331: 12 AT 19.4C

WG788555

Analytė ORP

QUALITY CONTROL SUMMARY

ONE LAB, NATIONWIDE,

Wet Chemistry by Method 2580 B-2011

L764418-01

L764620-23 Original Sample (OS) • Duplicate (DUP)

(OS) 05/14/15 15:54 - (DUP) 05/14/15 1	5:54
Or	rininal Posi

Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
mV	mV		%	•	%
200	201	1	0.50		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(COS) 05/14/16 (15/04 + (EUSO) 05/14/16 (15/04										
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	m∨	mV	mV .	%	%	%		,	%	'ኤ
ORP	100	107	106	107	106	90.0-110			0.939	20

















Wet Chemistry by Method 3060A/7196A

QUALITY CONTROL SUMMARY L764418-01

ONE LAB. NATIONWIDE.

Method Blank (MB)

(MB) 05/14/15 02:42

MB RDL **MB Qualifier** MB Result

Analyte Chromium.Hexavalent mg/kg ND

mg/kg

2.00

L763764-01 Original Sample (OS) • Dublicate (DUP)

(OS) 05/14/15 02:48 - (OUP) 05/14/15 02:48

Original Result DUP Result

Dilution

DUP RPD

DUP RPD Limits DUP Qualifier

Chromium, Hexavalent

Analyte

Analyte

mg/kg ND

mg/kg ND

0.00

20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

JUDS; 05/14/15 02:46 - (LCCD) 05/14/15 02:46

mg/kg 59.8

Spike Amount LCS Result

mg/kg 68.4

LCSD Result mg/kg 69.0

LCS Rec. % 114

% 115

LCSD Rec.

MS Rec.

쑀

Rec. Limits LCS Qualifier

LCSD Qualifier

% 0.873 20

RPD

%

RPD Limits

L763764-0° Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 05/14/15 02:48 • (MS) 05/14/15 02:51 • (MSD) 05/14/15 02:52

Analyte Chromium, Hexavalent

Chromium, Hexavalent

Spike Amount Original Result mg/kg mg/kg 20.0 1.10

mg/kg 20.5

MS Result

20.8

MSD Result mg/kg

% 103 104

%

80.0-120

MSD Rec.

Ditution

Rec. Limits 34 75.0-125

MS Qualifier

MSD Qualifier

RPD Limits % 1.45

20

WG788331

Analyte pH QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

L764418-01

L763661-01 Original Sample (OS) • Duplicate (DUP)

_						
-	OS) 05/13/15	10:11 -	(DUP)	05/13/15	10:11	

Wet Chemistry by Method 9045D

Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Lin
รว	su		%		%
7.6	7.6	1	0.00		1



٩						
	(OS)	05	13,15	10:11 •	(DUP	05/13/15 10:11

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	Su	Sü	•	*		*
pН	7.9	7.9	1	0.25		1

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 05/13/15	10:11 -	(LCSD)	05/13/15 10:00	

, ,	Splke Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	Su	Su	Su	%	%	%		•	%	%	
Hq	7.84	7.7 9	7.79	99.4	99.4	98.3-102			0.000	20	



DATE/TIME:

Hall Environmental Analysis Laboratory, Inc.

WO#:

1505363

09-Jun-15

Client:

Adkins Consulting Inc

Project:

Prairie Falcon 19-1

Sample ID MB-19298

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID: PBS

Batch ID: 19298

RunNo: 26305

Prep Date: 5/19/2015

Analysis Date: 5/19/2015

SeqNo: 781402

SPK value SPK Ref Val %REC LowLimit

Units: mg/Kg

%RPD

%RPD

HighLimit

RPDLimit

RPDLimit Qual

Qual

Analyte Chloride

Result **PQL** ND 1.5

Sample ID LCS-19298 Client ID: LCSS

SampType: LCS Batch ID: 19298 TestCode: EPA Method 300.0: Anions RunNo: 26305

Prep Date: 5/19/2015

Analysis Date: 5/19/2015

SeqNo: 781403

Analyte

Units: mg/Kg

110

Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit Chloride 14 1.5 15.00 0 92.6 90

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- Analyte detected below quantitation limits
- RSD is greater than RSDlimit
- RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Н
- Not Detected at the Reporting Limit ND
- Sample pH Not In Range
- Reporting Detection Limit

Holding times for preparation or analysis exceeded Page 4 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#:

1505363

09-Jun-15

Client:

Adkins Consulting Inc

Project:

Prairie Falcon 19-1

Sample ID MB-19138

SampType: MBLK

TestCode: EPA Method 8015D: Diesel Range Organics

Client ID: **PBS** Batch ID: 19138

RunNo: 26122

Prep Date: 5/8/2015 Analysis Date: 5/12/2015

SeqNo: 775123

Units: mg/Kg

%RPD

%RPD

Analyte

Surr: DNOP

Result ND 10

SPK value SPK Ref Val %REC LowLimit

HighLimit

RPDLimit Qual

Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)

ND 50

10.00

57.9

LowLimit

67.8

140

Sample ID LCS-19138

SampType: LCS

TestCode: EPA Method 8015D: Diesel Range Organics

Client ID: LCSS

Batch ID: 19138

9.9

RunNo: 26122

99.0

Prep Date: 5/8/2015

Analysis Date: 5/12/2015

SeqNo: 775138

Units: mg/Kg

Analyte Diesel Range Organics (DRO) Result **PQL** SPK value SPK Ref Val 43 10 50.00 5.7

%REC 86.5 HighLimit

RPDLimit Qual

Surr: DNOP

5.000

114

130

57.9 140

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

- RSD is greater than RSDlimit 0
- RPD outside accepted recovery limits R

- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Sample pH Not In Range
- Reporting Detection Limit

Page 5 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#:

1505363

09-Jun-15

Client:

Adkins Consulting Inc

Project:

Prairie Falcon 19-1

Sample ID MB-19132

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

80

Batch ID: 19132

Client ID: PBS

RunNo: 26157

Prep Date: 5/8/2015

Analysis Date: 5/13/2015

SeqNo: 776451

Units: mg/Kg

120

Analyte

Result ND 960

1000

95.6

HighLimit

RPDLimit

Qual

Gasoline Range Organics (GRO) Surr: BFB

Sample ID LCS-19132

SampType: LCS

PQL

5.0

TestCode: EPA Method 8015D: Gasoline Range

SPK value SPK Ref Val %REC LowLimit

%RPD

Client ID: LCSS

Batch ID: 19132

RunNo: 26157

Prep Date: 5/8/2015 Analysis Date: 5/13/2015

SeqNo: 776452

Units: mg/Kg

Analyte Gasoline Range Organics (GRO) Result 23

SPK value SPK Ref Val PQL 5.0 25.00

%REC 93.9

64

LowLimit

%RPD HighLimit 130

RPDLimit Qual

Sur: BFB

1000 1000 101

80

120

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range E
- Analyte detected below quantitation limits
- RSD is greater than RSDlimit
- RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- Sample pH Not In Range Reporting Detection Limit
- Not Detected at the Reporting Limit Page 6 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#:

1505363

09-Jun-15

Client:

Adkins Consulting Inc

Project:

Prairie Falcon 19-1

Sample ID MB-19132	Samp	ype: Mi	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batc	h ID: 19	132	F	RunNo: 2	6157				
Prep Date: 5/8/2015	Analysis [Analysis Date: 5/13/2015			SeqNo: 7	76482	Units: mg/K	ίg		
Analyte	Result PQL SPK value S			SPK Ref Val	SPK Ref Val %REC LowLimit			%RPD	RPDLimit	Qual -
Benzene	ND	0.050					-			
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								•
Xylenes, Total	ND 0.10									
Surr: 4-Bromofluorobenzene	1.1 1.000		00 112 80		120					

Sample ID LCS-19132	Samp	Type: LC	s	Tes	tCode: E	PA Method	tiles			
Client ID: LCSS	Batc	h ID: 19	132	F	RunNo: 2	6157				
Prep Date: 5/8/2015	Analysis [Date: 5/	13/2015	S	SeqNo: 7	76483	Units: mg/H	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene				0	103	76.6	128			
Toluene	0.99	0.050	1.000	0	98.9	75	124		-	
Ethylbenzene	1.0	0.050	1.000	. 0	102	79.5	126			
Xylenes, Total	3.0	0.10	3.000	0	100	78.8	124			
Surr: 4-Bromofluorobenzene	1.2		1.000		115	80	120			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

Page 7 of 11

Hall Environmental Analysis Laboratory, Inc.

SampType: LCS

WO#:

1505363

09-Jun-15

Client:

Adkins Consulting Inc

Project:

Sample ID Ics-19300

Prairie Falcon 19-1

Sample ID mb-19300	Sampi	SampType: MBLK Batch ID: 19300			tCode: E	PA Method	8270C: PAH:	•		
Client ID: PBS	Batcl	h ID: 19	300	F	RunNo: 2	6326				
Prep Date: 5/19/2015	Analysis D	Date: 5/	20/2015		SeqNo: 7	82381	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	0.020								
Acenaphthene	ND	0.020								
Fluorene ·	ND	0.020								
Anthracene	ND	0.020								
Fluoranthene	ND	0.020								
Pyrene	ND	0.020								
Benz(a)anthracene	ND	0.020				,				
Chrysene	ND	0.020							•	
Benzo(b)fluoranthene	ND	0.020								
Benzo(k)fluoranthene	ND	0.020								
Benzo(a)pyrene	ND	0.020								
Dibenz(a,h)anthracene	ND	0.020	·							
Indeno(1,2,3-cd)pyrene	ND	0.020				-				
Surr: N-hexadecane	1.5		1.460		103	46.4	117			
Surr: Benzo(e)pyrene	0.25		0.3300		74.9	32.5	200			

		,,,,	-					_		
Client ID: LCSS	Batc	h ID: 19	300	F	RunNo: 2	6326	•			
Prep Date: 5/19/2015	Analysis [Date: 5/	20/2015	5	SeqNo: 7	82382	Units: mg/h	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	0.31	0.020	0.3300	0	92.9	40.7	111	•		
Acenaphthene	0.30	0.020	0.3300	0	92.2	41.4	120			
Fluorene	0.32	0.020	0.3300	0	95.9	47	116		-	
Anthracene	0.33	0.020	0.3300	. 0	100	49.3	114			
Fluoranthene	0.32	0.020	0.3300	0	96.3	54.3	113			
Pyrene	0.25	0.020			118			,		
Benz(a)anthracene	0.24	0.020	0.3300	0	71.4	43.7	118			
Chrysene	0.23	0.020	0.3300	0	69.0	43.8	108			
Benzo(b)fluoranthene	0.22	0.020	0.3300	0	66.7	46.5	120			
Benzo(k)fluoranthene	0.24	0.020	0.3300	0	72.4	50	111			
Benzo(a)pyrene	0.22	0.020	0.3300	0	67.3	47.8	109			
Dibenz(a,h)anthracene	0.22	0.020	0.3300	0	67.7	57.8	117			1
Indeno(1,2,3-cd)pyrene	0.23	0.020	0.3300	300 0 68.9 46.4		121				
Surr. N-hexadecane	1.6		1.460	460 110 46.4			117			
Surr: Benzo(e)pyrene	0.27		0.3300		82.3	32.5	200			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded

TestCode: EPA Method 8270C: PAHs

- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

Page 8 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#:

1505363

09-Jun-15

Client:

Adkins Consulting Inc

Project:

Prairie Falcon 19-1

Sample ID 1505363-001Ams	SampType: MS TestCode: EPA Method 8270C: PAHs Batch ID: 19300 RunNo: 26326									
Client ID: Reserve Pit	Batch	n ID: 19	300	F	RunNo: 2	6326				
Prep Date: 5/19/2015	Analysis D	ate: 5/	20/2015	S	SeqNo: 7	82384	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	0.38	0.020	0.3291	0.06194	97.1	33.9	104			
Acenaphthene	0.29	0.020	0.3291	0	86.9	33.3	113			
Fluorene	0.30	0.020	0.3291	0.006327	90.0	40.7	111			
Anthracene	0.31	0.020	0.3291	0	95.1	39.1	116			
Fluoranthene	0.31	0.020	0.3291	0	94.6	43	124			
Pyrene	0.22	0.020	0.3291	0	66.7	41.9	143			
Benz(a)anthracene	0.22	0.020	0.3291	0	66.4	42.3	140			
Chrysene	0.23	0.020	0.3291	0	68.5	28.7	146			
Benzo(b)fluoranthene	0.20	0.020	0.3291	0	61.3	22.9	172			
Benzo(k)fluoranthene .	0.20	0.020	0.3291	0	62.1	18.9	172			•
Benzo(a)pyrene	0.21	0.020	0.3291	0	62.4	24.6	166			
Dibenz(a,h)anthracene	0.22	0.020	0.3291	0	65.6	22.8	172			
Indeno(1,2,3-cd)pyrene	0.22	0.020	0.3291	0	66.4	17.4	175			
Surr: N-hexadecane	. 1.8		1.456		124	46.4	117			S
Surr: Benzo(e)pyrene	0.24		0.3291		72.0	32.5	. 200			

Sample ID 1505363-001Am	nsd SampT	SampType: MSD TestCode: EPA Method 8270C: PAHs Batch ID: 19300 RunNo: 26326								
Client ID: Reserve Pit	Batch	1D: 19:								
Prep Date: 5/19/2015	Analysis D	ate: 5/	20/2015	S	SeqNo: 7	82385	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	0.39	0.020	0.3282	0.06194	99.4	33.9	104	1.72	26.5	
Acenaphthene	. 0.28	0.020	0.3282	0	85.6	33.3	113	1.79	32.5	
Fluorene	0.31	0.020	0.3282	0.006327	92.9	40.7	111	2.87	30.6	
Anthracene	0.33	0.020	0.3282	0	99.6	39.1	116	4.41	31.1	
Fluoranthene	0.33	0.020	0.3282	0	101	43	124	6.04	36.1	
Pyrene	0.23	0.020	0.3282	0	70.6	41.9	143	5.47	31.6	
Benz(a)anthracene	0.22	0.020	0.3282	. 0	65.8	42.3	140	1.18	32.5	
Chrysene	0.22	0.020	0.3282	0	66.9	28.7	146	2.65	33.6	
Benzo(b)fluoranthene	0.21	0.020	0.3282	0	63.6	22.9	172	3.45	33	
Benzo(k)fluoranthene	0.22	0.020	0.3282	0	67.5	18.9	172	8.00	30.8	
Benzo(a)pyrene	0.21	0.020	0.3282	0	64.6	24.6	166	3.23	34.3	
Dibenz(a,h)anthracene	0.21	0.020	0.3282	0	63.4	22.8	172	3.55	27.9	
Indeno(1,2,3-cd)pyrene	0.21	0.020	0.3282	0	63.1	17.4	. 175	5.26	30.9	
Surr: N-hexadecane	1.7		1.452	_	120	46.4	117	0	0	S
Surr: Benzo(e)pyrene	0.22		0.3282		67.6	32.5	200	. 0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSD limit
- R RPD outside accepted recovery limits .
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

Page 9 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#:

1505363

09-Jun-15

Client:

Adkins Consulting Inc

Project:

Prairie Falcon 19-1

Sample ID MB-19445

SampType: MBLK

TestCode: EPA Method 7471: Mercury

TestCode: EPA Method 7471: Mercury

Client ID: PBS

Batch ID: 19445

RunNo: 26497

Prep Date: 5/28/2015

Analysis Date: 5/29/2015 **PQL**

SeqNo: 787358

SPK value SPK Ref Val %REC LowLimit

Units: mg/Kg

HighLimit

%RPD **RPDLimit**

Qual

Analyte Mercury

ND 0.033

Sample ID LCS-19445

SampType: LCS Batch ID: 19445

RunNo: 26497

%REC LowLimit

Client ID: LCSS Prep Date: 5/28/2015

Analysis Date: 5/29/2015

Result

SeqNo: 787359

Units: mg/Kg

Analyte Mercury

Result **PQL**

0.1667

SPK value SPK Ref Val

99.7

RPDLimit

%RPD

Qual

0.17 0.033

HighLimit

120

Qualifiers:

Value exceeds Maximum Contaminant Level.

Spike Recovery outside accepted recovery limits

- Ε Value above quantitation range
- Analyte detected below quantitation limits
- RSD is greater than RSDlimit 0
- RPD outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Н
- ND Not Detected at the Reporting Limit
- Sample pH Not In Range
- Reporting Detection Limit

Holding times for preparation or analysis exceeded Page 10 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#:

1505363

09-Jun-15

Client:

Adkins Consulting Inc

Project: Prairie Falcon 19-1

Sample ID MB-19279	SampT	ype: ME	BLK	Tes	tCode: El	Metais				
Client ID: PBS	Batch	1D: 19	279	F	RunNo: 2	6309				
Prep Date: 5/18/2015	Analysis D	ate: 5/	20/2015	8	SeqNo: 7	81613	Units: mg/F	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	2.5								
Barium	ND	0.10								
Cadmium	· ND	0.10								
Chromium	ND	0.30								
Copper	ND	0.30	•							
Lead	, ND,	0.25					•			
Nickel	ND	0.50							•	
Selenium	ND	2.5								
Silver	ND	0.25				•				
Zinc	ND	2.5				-		•		

Sample ID LCS-19279	Sampl	ype: LC	s	Tes	6010B: Soil	Metals				
Client ID: LCSS	Batcl	h ID: 19	279	F	RunNo: 2	6309	,			
Prep Date: 5/18/2015	Analysis D	Date: 5/	20/2015	8	SeqNo: 7	81614	Units: mg/F	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	25	2.5	25.00	0	99.0	80	120			
Barium	25	0.10	25.00	0	100	80	120			
Cadmium	25	0.10	25.00	0	100	80	120			
Chromium	25	0.30	25.00	0	101	80	120			
Copper	27	0.30	25.00	0	106	80	120			
Lead	25	0.25	25.00	0	99.1	80	120			
Nickel	25	0.50	25.00	0	99.1	80	120			
Selenium	25	2.5	25.00	0	101	80	120			
Silver	5.1	0.25	5.000	0	103	80	120			
Zinc	25	2.5	25.00	0	100	. 80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

Page 11 of 11



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **ADKINS CONSULTING I** Work Order Number: 1505363 RcptNo: 1 Received by/date: Logged By: Lindsay Mangin 5/8/2015 7:00:00 AM 5/8/2015 9:02:57 AM Completed By: Lindsay Mangin Reviewed By: Chain of Custody No 🔲 Not Present Yes 🗌 1. Custody seals intact on sample bottles? No 🗆 Not Present 2. Is Chain of Custody complete? 3. How was the sample delivered? Courier Log In No 🗆 NA 🔲 Yes 🗭 4. Was an attempt made to cool the samples? No 🗌 NA 🗌 5. Were all samples received at a temperature of >0° C to 6.0°C Yes 🐼 No 🗆 6. Sample(s) in proper container(s)? No 🖸 7. Sufficient sample volume for indicated test(s)? No 🔲 8. Are samples (except VOA and ONG) properly preserved? NA 🗆 Yes 🗍 No 🔂 9. Was preservative added to bottles? No 🔲 No VOA Vials Yes 🗌 10.VOA vials have zero headspace? yes □ No 🗷 11. Were any sample containers received broken? # of preserved bottles checked No 🗆 12. Does paperwork match bottle labels? Yes 🖈 for pH: (<2 or >12 unless noted) (Note discrepancies on chain of custody) No 🗆 Adjusted? 13. Are matrices correctly identified on Chain of Custody? No 🗆 14. Is it clear what analyses were requested? No 🗌 Checked by: 15. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) 16. Was client notified of all discrepancies with this order? Yes 🔲 No 🗌 NA 🔂 Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 17. Additional remarks: 18. Cooler Information Cooler No | Temp °C | Condition Seal Intact | Seal No Seal Date 1.6 Good Yes

C	hain	-of-Cເ	stody Record	Turn-A	Around	Time:			▎▗			_				NE SA	e e		ne e	a e	: NIT	ΓAL	
Olient:			Conguldin	≱ St Projec	andard t Name	□ Rush	1					A	N		YS	SIS	S L	.AE	30			OR'	
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2A/QC F	Package: dard		☐ Level 4 (Full Validation)	۱ ۱	Ano	drew Pan	-kr		TMB's (8021)	(Gas o	RO/M			SIMS)		,PO _{4,} S	2 PCB's		i				
Accredi ☐ NEL	tation AP	□ Othe	□ Level 4 (Full Validation)	Samp On ice	ler: Δ	n drew Z Yes	Parker		+ TMB	+ TPH	RO/D	118.1)	504.1)	r 8270	S	O ₃ ,NO ₂	s / 808;		(AC	9 - 1			or N)
∃ EDD	(Type)	T	T	Samp	le Tem	erature	(//		TBE	18E	9) E	od 4	ğ	٥	etal	N,D	side	Æ	ا ن ۱	910.			∑) s
Date	Time	Matrix	Sample Request ID		tainer and#	Preservative Type	第48 1505	No.22 3/33	BTEX + MTBE	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,CI,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Trole	17		Air Bubbles (Y or N)
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ı	necessary	samples sub	omitted to Hall Environmental may be sub	contracted	to other a	ccredited laboratori	ies. This serves a	as notice of this	s possi	bility.	Any si	ıb-con	racteo	d data	will be	clear	ty note	ated or	n the a	nalytic	æl repo	ort	