

Monday, May 04, 2015

Colby Sterling  
Talon LPE  
921 N Bivins  
Amarillo, TX 79107

Re: ALS Workorder: 1504425  
Project Name: Nelson A6 A7  
Project Number: 701530.024.01

Dear Mr. Sterling:

Twenty one soil samples were received from Talon LPE, on 4/22/2015. The samples were scheduled for the following analyses:

GC/MS Volatiles

Total Extractable Petroleum Hydrocarbons (Diesel)

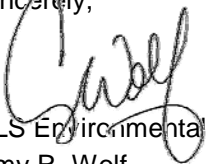
Total Volatile Petroleum Hydrocarbons (Gasoline)

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sincerely,



ALS Environmental  
Amy R. Wolf  
Project Manager

ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

ALS Environmental – Fort Collins	
Accreditation Body	License or Certification Number
Alaska (AK)	UST-086
Alaska (AK)	CO01099
Arizona (AZ)	AZ0742
California (CA)	06251CA
Colorado (CO)	CO01099
Connecticut (CT)	PH-0232
Florida (FL)	E87914
Idaho (ID)	CO01099
Kansas (KS)	E-10381
Kentucky (KY)	90137
L-A-B (DoD ELAP/ISO 170250)	L2257
Maryland (MD)	285
Missouri (MO)	175
Nebraska(NE)	NE-OS-24-13
Nevada (NV)	CO000782008A
New Jersey (NJ)	CO003
New York (NY)	12036
North Dakota (ND)	R-057
Oklahoma (OK)	1301
Pennsylvania (PA)	68-03116
Tennessee (TN)	2976
Texas (TX)	T104704241
Utah (UT)	CO01099
Washington (WA)	C1280



**1504425**

**GC/MS Volatiles:**

The samples were analyzed using GC/MS following the current revision of SOP 525 based on SW-846 Method 8260C.

All surrogate recoveries were within acceptance criteria with the following exception:

Surrogate	Sample	Direction
Toluene-d8	-1	High

Analysis of the sample at a 500x dilution showed all surrogate recoveries passing. This suggests that the outliers were due to matrix effects. No further action was taken.

All remaining acceptance criteria were met.

**GRO:**

The samples were analyzed following the current revision of SOP 425 generally based on SW-846 Methods 8000C and 8015D. TVPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C6 to C10.

All surrogate recoveries were within acceptable limits with the following exception:

Surrogate	Sample	Direction
2,3,4-Trifluorotoluene	1504425-10	High

Inspection of the chromatogram indicated co-elution of the surrogate peak with a target component peak, biasing the surrogate result high. No further action was taken.

All remaining acceptance criteria were met.

**DRO:**

The samples were analyzed following the current revision of SOP 406 generally based on SW-846 Methods 8000C and 8015D. TEPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C10 to C28.

All acceptance criteria were met.

# ALS Environmental -- FC

## Sample Number(s) Cross-Reference Table

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**OrderNum:** 1504425

**Client Name:** Talon LPE

**Client Project Name:** Nelson A6 A7

**Client Project Number:** 701530.024.01

**Client PO Number:**

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Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
SB1 0'-5'	1504425-1		SOIL	14-Apr-15	16:31
SB1 10'-15'	1504425-2		SOIL	14-Apr-15	16:54
SB1 15'-20'	1504425-3		SOIL	14-Apr-15	17:00
SB1 25'-30'	1504425-4		SOIL	14-Apr-15	17:30
SB2 10'-15'	1504425-5		SOIL	15-Apr-15	9:35
SB2 20'-25'	1504425-6		SOIL	15-Apr-15	9:59
SB2 30'-35'	1504425-7		SOIL	15-Apr-15	10:20
SB3 10'-15'	1504425-8		SOIL	15-Apr-15	11:20
SB3 20'-25'	1504425-9		SOIL	15-Apr-15	11:42
SB4 0'-5'	1504425-10		SOIL	15-Apr-15	13:07
SB4 10'-15'	1504425-11		SOIL	15-Apr-15	13:38
SB4 20'-25'	1504425-12		SOIL	15-Apr-15	13:47
SB4 30'-35'	1504425-13		SOIL	15-Apr-15	14:02
SB5 10'-15'	1504425-14		SOIL	15-Apr-15	15:18
SB5 25'-30'	1504425-15		SOIL	15-Apr-15	15:35
SB6 5'-10'	1504425-16		SOIL	16-Apr-15	9:09
SB6 10'-15'	1504425-17		SOIL	16-Apr-15	9:20
SB6 20'-25'	1504425-18		SOIL	16-Apr-15	9:40
SB6 30'-35'	1504425-19		SOIL	16-Apr-15	10:00
SB7 10'-15'	1504425-20		SOIL	16-Apr-15	10:40
SB7 25'-30'	1504425-21		SOIL	16-Apr-15	11:15



## Chain-of-Custody

Form 202r8

Time Zone (Circle):	EST	CST	MST	PST	Matrix:	O = oil	S = soil	NS = non-soil solid	W = water	L = liquid	E = extract	F = filter
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**For metals or anions, please detail analytes below.**

of 45

**Preservative Key:** 1-HCl 2-HNO<sub>3</sub> 3-H<sub>2</sub>SO<sub>4</sub> 4-NaOH 5-NaHSO<sub>4</sub> 7-Other 8-4 degrees C 9-5035



TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

## Chain-of-Custody

Form 202r8

[illegible]

*Time Zone (Circle):	EST	CST	MST	PST	Matrix: O = oil S = soil NS = non-soil solid	W = water L = liquid	E = extract F = filter
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**For metals or anions, please detail analytes below.**

Comments:		QC PACKAGE (check below)		RELINQUISHED BY		SIGNATURE	PRINTED NAME	DATE	TIME
of 45			LEVEL II (Standard QC)		RECEIVED BY			4/21/15	8:53
			LEVEL III (Std QC + forms)		RELINQUISHED BY			4/21/15	09:50
			LEVEL IV (Std QC + forms + raw data)		RECEIVED BY				
					RELINQUISHED BY				
Preservative Key:		1-HCl	2-HNO3	3-H2SO4	4-NaOH	5-NaHSO4	7-Other	8-4 degrees C	9-5035

of 45



## Chain-of-Custody

Form 202r8

Time Zone (Circle):	EST	CST	MST	PST	Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

**For metals or anions, please detail analytes below.**

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**Preservative Key:**

1-HCl	2-HNO <sub>3</sub>	3-H <sub>2</sub> SO <sub>4</sub>	4-NaOH	5-NaHSO <sub>4</sub>	7-Other	8-4 degrees C	9-5035
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## Chain-of-Custody

WORKORDER #	1504425
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Time Zone (Circle):	EST	CST	MST	PST	Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter
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	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	<i>Tina Williams</i>	<i>Tina Williams</i>	<i>8/21/15</i>	<i>8:54</i>
RECEIVED BY	<i>Erin Peterson</i>	<i>Erin Peterson</i>	<i>8/21/15</i>	<i>09:50</i>
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

of 45

<div> <div>Comments:</div> <div>8 of 45</div> </div>		QC PACKAGE (check below)							
			LEVEL II (Standard QC)						
			LEVEL III (Std QC + forms)						
			LEVEL IV (Std QC + forms + raw data)						
Preservative Key:		1-HCl	2-HNO3	3-H2SO4	4-NaOH	5-NaHSO4	7-Other	8-4 degrees C	9-5035





225 Commerce Drive, Fort Collins, Colorado 80524  
TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

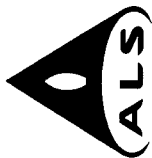
## Form 202r8

*Time Zone (Circle):	EST	CST	MST	PST	Matrix: O = oil S = soil NS = non-soil solid	W = water L = liquid E = extract F = filter
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**For metals or anions, please detail analytes below.**

of 45

**Preservative Key:** 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035



# ALS Laboratory Group

225 Commerce Drive, Fort Collins, Colorado 80524  
TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

## Chain-of-Custody

Form 2028

PROJECT NAME	Nelson A6 A7	SAMPLER	Tim W. Allen	DATE	4/20/15	TURNAROUND		WORKORDER #	1504425
PROJECT No.	701530, 024, 01	SITE ID						PAGE	
		EDD FORMAT						DISPOSAL	
COMPANY NAME	Talon LPE	PURCHASE ORDER						By Lab or	of
SEND REPORT TO	Colby Sterling	BILL TO COMPANY	Whitney					Return to Client	
ADDRESS	921 N. Bivins	INVOICE ATTN TO	Kyle Waggoner						
CITY/STATE/ZIP	Hampton, VA 22409	ADDRESS							
PHONE		CITY/STATE/ZIP							
FAX		PHONE							
E-MAIL	Csterling@talonlpe.com	FAX							
		E-MAIL							
Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC		
(16) SB6 5'-10'		S	4/20/15 9:09	2	2CF				
(17) SB6 10'-15'		S	4/20/15 9:10	5					
(18) SB6 20'-25'		S	4/20/15 9:10	5					
(19) SB6 30'-35'		S	4/20/15 10:00	5					

\*Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

For metals or anions, please detail analytes below.

Comments:

of 45

QC PACKAGE (check below)	
LEVEL II (Standard QC)	
LEVEL III (Std QC + forms)	
LEVEL IV (Std QC + forms + raw data)	
Preservative Key:	1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035

RELINQUISHED BY	SIGNATURE	PRINTED NAME	DATE	TIME
RECEIVED BY	Tim W. Allen	Tim W. Allen	4/21/15	8:55
RELINQUISHED BY	Carla Peterson	Carla Peterson	4/22/15	0950
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				



## Chain-of-Custody

1504425

*Time Zone (Circle):	EST	CST	MST	PST	Matrix: O = oil S = soil NS = non-soil solid	W = water L = liquid	E = extract F = filter
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**For metals or anions, please detail analytes below.**

**Preservative Key:** 1-HCl 2-HNO<sub>3</sub> 3-H<sub>2</sub>SO<sub>4</sub> 4-NaOH 5-NaHSO<sub>4</sub> 7-Other 8-4 degrees C 9-5035



ALS Environmental - Fort Collins  
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: Talon

Workorder No: 1504425

Project Manager: ARW

Initials: ECP Date: 4/22/15

1. Does this project require any special handling in addition to standard ALS procedures?		YES	<u>NO</u>
2. Are custody seals on shipping containers intact?	<u>NONE</u>	YES	NO
3. Are Custody seals on sample containers intact?	<u>NONE</u>	YES	NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?		<u>YES</u>	NO
5. Are the COC and bottle labels complete and legible?		<u>YES</u>	NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)		<u>YES</u>	NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF	<u>YES</u>	NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	<u>N/A</u>	YES	NO
9. Are all aqueous non-preserved samples pH 4-9?	<u>N/A</u>	YES	NO
10. Is there sufficient sample for the requested analyses?		<u>YES</u>	NO
11. Were all samples placed in the proper containers for the requested analyses?		<u>YES</u>	NO
12. Are all samples within holding times for the requested analyses?		<u>YES</u>	NO
13. Were all sample containers received intact? (not broken or leaking, etc.)		<u>YES</u>	NO
14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: ____ < green pea ____ > green pea	<u>N/A</u>	YES	NO
15. Do any water samples contain sediment? Amount Amount of sediment: ____ dusting ____ moderate ____ heavy	<u>N/A</u>	YES	NO
16. Were the samples shipped on ice?		<u>YES</u>	NO
17. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: #2 <u>#4</u>	RAD ONLY	<u>YES</u>	NO
Cooler #: <u>1</u>			
Temperature (°C): <u>3.2°</u>			
No. of custody seals on cooler: <u>0</u>			
External µR/hr reading: <u>11</u>			
Background µR/hr reading: <u>11</u>			
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? <u>YES</u> NO / NA (If no, see Form 008.)			

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

If applicable, was the client contacted? YES / NO / NA Contact: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Manager Signature / Date: [Signature] 4/24/15

\*IR Gun #2: Oakton, SN 29922500201-0066

\*IR Gun #4: Oakton, SN 2372220101-0002

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**Client:** Talon LPE  
**Project:** 701530.024.01 Nelson A6 A7  
**Sample ID:** SB1 0'-5'  
**Legal Location:**  
**Collection Date:** 4/14/2015 16:31

**Date:** 04-May-15  
**Work Order:** 1504425  
**Lab ID:** 1504425-1  
**Matrix:** SOIL  
**Percent Moisture:** 24.8

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>			<b>SW8015M</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	<b>290</b>	4,5,8,M	<b>6.4</b>	<b>MG/KG</b>	1	4/23/2015 17:38
Surr: O-TERPHENYL	85		53-116	%REC	1	4/23/2015 17:38
<b>Gasoline Range Organics</b>			<b>SW8015</b>		Prep Date: <b>4/24/2015</b>	PrepBy: <b>JFN</b>
<b>GASOLINE RANGE ORGANICS</b>	<b>3200</b>	GZ	<b>130</b>	<b>MG/KG</b>	1000	4/24/2015 09:46
Surr: 2,3,4-TRIFLUOROTOLUENE	123		76-126	%REC	1000	4/24/2015 09:46
<b>GC/MS Volatiles</b>			<b>SW8260</b>		Prep Date: <b>4/28/2015</b>	PrepBy: <b>TWK</b>
<b>BENZENE</b>	<b>0.25</b>		<b>0.048</b>	<b>MG/KG</b>	1	4/28/2015 14:31
<b>TOLUENE</b>	<b>31</b>		<b>3</b>	<b>MG/KG</b>	500	4/28/2015 19:47
<b>ETHYLBENZENE</b>	<b>19</b>		<b>3</b>	<b>MG/KG</b>	500	4/28/2015 19:47
<b>M+P-XYLENE</b>	<b>110</b>		<b>3</b>	<b>MG/KG</b>	500	4/28/2015 19:47
<b>O-XYLENE</b>	<b>40</b>		<b>3</b>	<b>MG/KG</b>	500	4/28/2015 19:47
<b>TOTAL XYLENES</b>	<b>150</b>		<b>0.005</b>	<b>MG/KG</b>	1	4/28/2015 14:31
Surr: DIBROMOFLUOROMETHANE	98		61-134	%REC	1	4/28/2015 14:31
Surr: DIBROMOFLUOROMETHANE	100		61-134	%REC	500	4/28/2015 19:47
Surr: TOLUENE-D8	110		57-135	%REC	500	4/28/2015 19:47
Surr: TOLUENE-D8	255	*	57-135	%REC	1	4/28/2015 14:31
Surr: 4-BROMOFLUOROBENZENE	97		52-151	%REC	500	4/28/2015 19:47
Surr: 4-BROMOFLUOROBENZENE	108		52-151	%REC	1	4/28/2015 14:31

**Client:** Talon LPE  
**Project:** 701530.024.01 Nelson A6 A7  
**Sample ID:** SB1 10'-15'  
**Legal Location:**  
**Collection Date:** 4/14/2015 16:54

**Date:** 04-May-15  
**Work Order:** 1504425  
**Lab ID:** 1504425-2  
**Matrix:** SOIL  
**Percent Moisture:** 6.0

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>			<b>SW8015M</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	66	5,8,M	5.2	MG/KG	1	4/23/2015 18:16
Surr: O-TERPHENYL	96		53-116	%REC	1	4/23/2015 18:16
<b>Gasoline Range Organics</b>			<b>SW8015</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
GASOLINE RANGE ORGANICS	0.77	H	0.53	MG/KG	1	4/23/2015 11:31
Surr: 2,3,4-TRIFLUOROTOLUENE	99		76-126	%REC	1	4/23/2015 11:31
<b>GC/MS Volatiles</b>			<b>SW8260</b>		Prep Date: <b>4/28/2015</b>	PrepBy: <b>TWK</b>
BENZENE	ND		0.0052	MG/KG	1	4/28/2015 19:23
TOLUENE	ND		0.0052	MG/KG	1	4/28/2015 19:23
ETHYLBENZENE	ND		0.0052	MG/KG	1	4/28/2015 19:23
M+P-XYLENE	ND		0.0052	MG/KG	1	4/28/2015 19:23
O-XYLENE	ND		0.0052	MG/KG	1	4/28/2015 19:23
TOTAL XYLENES	ND		0.005	MG/KG	1	4/28/2015 19:23
Surr: DIBROMOFLUOROMETHANE	102		61-134	%REC	1	4/28/2015 19:23
Surr: TOLUENE-D8	97		57-135	%REC	1	4/28/2015 19:23
Surr: 4-BROMOFLUOROBENZENE	99		52-151	%REC	1	4/28/2015 19:23

**Client:** Talon LPE  
**Project:** 701530.024.01 Nelson A6 A7  
**Sample ID:** SB1 15'-20'  
**Legal Location:**  
**Collection Date:** 4/14/2015 17:00

**Date:** 04-May-15  
**Work Order:** 1504425  
**Lab ID:** 1504425-3  
**Matrix:** SOIL  
**Percent Moisture:** 6.6

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>			<b>SW8015M</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	ND		5.2	MG/KG	1	4/23/2015 18:52
Surr: O-TERPHENYL	93		53-116	%REC	1	4/23/2015 18:52
<b>Gasoline Range Organics</b>			<b>SW8015</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
GASOLINE RANGE ORGANICS	ND		0.52	MG/KG	1	4/23/2015 11:51
Surr: 2,3,4-TRIFLUOROTOLUENE	99		76-126	%REC	1	4/23/2015 11:51
<b>GC/MS Volatiles</b>			<b>SW8260</b>		Prep Date: <b>4/28/2015</b>	PrepBy: <b>TWK</b>
BENZENE	ND		0.0052	MG/KG	1	4/28/2015 18:37
TOLUENE	ND		0.0052	MG/KG	1	4/28/2015 18:37
ETHYLBENZENE	ND		0.0052	MG/KG	1	4/28/2015 18:37
M+P-XYLENE	ND		0.0052	MG/KG	1	4/28/2015 18:37
O-XYLENE	ND		0.0052	MG/KG	1	4/28/2015 18:37
TOTAL XYLENES	ND		0.005	MG/KG	1	4/28/2015 18:37
Surr: DIBROMOFLUOROMETHANE	100		61-134	%REC	1	4/28/2015 18:37
Surr: TOLUENE-D8	97		57-135	%REC	1	4/28/2015 18:37
Surr: 4-BROMOFLUOROBENZENE	99		52-151	%REC	1	4/28/2015 18:37



<b>Client:</b>	Talon LPE	<b>Date:</b>	04-May-15
<b>Project:</b>	701530.024.01 Nelson A6 A7	<b>Work Order:</b>	1504425
<b>Sample ID:</b>	SB1 25'-30'	<b>Lab ID:</b>	1504425-4
<b>Legal Location:</b>		<b>Matrix:</b>	SOIL
<b>Collection Date:</b>	4/14/2015 17:30	<b>Percent Moisture:</b>	16.4

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>						
			<b>SW8015M</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	ND		5.9	MG/KG	1	4/23/2015 20:04
Surr: O-TERPHENYL	97		53-116	%REC	1	4/23/2015 20:04
<b>Gasoline Range Organics</b>						
			<b>SW8015</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
GASOLINE RANGE ORGANICS	ND		0.54	MG/KG	1	4/23/2015 12:13
Surr: 2,3,4-TRIFLUOROTOLUENE	105		76-126	%REC	1	4/23/2015 12:13
<b>GC/MS Volatiles</b>						
			<b>SW8260</b>		Prep Date: <b>4/28/2015</b>	PrepBy: <b>TWK</b>
BENZENE	ND		0.0057	MG/KG	1	4/28/2015 19:00
TOLUENE	ND		0.0057	MG/KG	1	4/28/2015 19:00
ETHYLBENZENE	ND		0.0057	MG/KG	1	4/28/2015 19:00
M+P-XYLENE	ND		0.0057	MG/KG	1	4/28/2015 19:00
O-XYLENE	ND		0.0057	MG/KG	1	4/28/2015 19:00
TOTAL XYLENES	ND		0.005	MG/KG	1	4/28/2015 19:00
Surr: DIBROMOFLUOROMETHANE	102		61-134	%REC	1	4/28/2015 19:00
Surr: TOLUENE-D8	97		57-135	%REC	1	4/28/2015 19:00
Surr: 4-BROMOFLUOROBENZENE	98		52-151	%REC	1	4/28/2015 19:00

**Client:** Talon LPE  
**Project:** 701530.024.01 Nelson A6 A7  
**Sample ID:** SB2 10'-15'  
**Legal Location:**  
**Collection Date:** 4/15/2015 09:35

**Date:** 04-May-15  
**Work Order:** 1504425  
**Lab ID:** 1504425-5  
**Matrix:** SOIL  
**Percent Moisture:** 7.4

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>						
			<b>SW8015M</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	<b>250</b>	5,8,M	<b>5.4</b>	<b>MG/KG</b>	1	4/23/2015 20:39
Surr: O-TERPHENYL	97		53-116	%REC	1	4/23/2015 20:39
<b>Gasoline Range Organics</b>						
			<b>SW8015</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
<b>GASOLINE RANGE ORGANICS</b>	<b>15</b>	H	<b>1.1</b>	<b>MG/KG</b>	1	4/23/2015 12:33
Surr: 2,3,4-TRIFLUOROTOLUENE	110		76-126	%REC	1	4/23/2015 12:33
<b>GC/MS Volatiles</b>						
			<b>SW8260</b>		Prep Date: <b>4/28/2015</b>	PrepBy: <b>TWK</b>
BENZENE	ND		0.053	MG/KG	1	4/28/2015 15:45
TOLUENE	<b>0.1</b>		<b>0.053</b>	<b>MG/KG</b>	1	4/28/2015 15:45
ETHYLBENZENE	<b>0.49</b>		<b>0.053</b>	<b>MG/KG</b>	1	4/28/2015 15:45
M+P-XYLENE	<b>3.4</b>		<b>0.053</b>	<b>MG/KG</b>	1	4/28/2015 15:45
O-XYLENE	<b>1.5</b>		<b>0.053</b>	<b>MG/KG</b>	1	4/28/2015 15:45
TOTAL XYLENES	<b>4.9</b>		<b>0.005</b>	<b>MG/KG</b>	1	4/28/2015 15:45
Surr: DIBROMOFLUOROMETHANE	100		61-134	%REC	1	4/28/2015 15:45
Surr: TOLUENE-D8	131		57-135	%REC	1	4/28/2015 15:45
Surr: 4-BROMOFLUOROBENZENE	104		52-151	%REC	1	4/28/2015 15:45

<b>Client:</b>	Talon LPE	<b>Date:</b>	04-May-15
<b>Project:</b>	701530.024.01 Nelson A6 A7	<b>Work Order:</b>	1504425
<b>Sample ID:</b>	SB2 20'-25'	<b>Lab ID:</b>	1504425-6
<b>Legal Location:</b>		<b>Matrix:</b>	SOIL
<b>Collection Date:</b>	4/15/2015 09:59	<b>Percent Moisture:</b>	15.9

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>			<b>SW8015M</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	27	4,5,8,M	5.8	MG/KG	1	4/23/2015 21:15
Surr: O-TERPHENYL	97		53-116	%REC	1	4/23/2015 21:15
<b>Gasoline Range Organics</b>			<b>SW8015</b>		Prep Date: <b>4/24/2015</b>	PrepBy: <b>JFN</b>
GASOLINE RANGE ORGANICS	1.2	GZ	0.58	MG/KG	1	4/24/2015 10:06
Surr: 2,3,4-TRIFLUOROTOLUENE	104		76-126	%REC	1	4/24/2015 10:06
<b>GC/MS Volatiles</b>			<b>SW8260</b>		Prep Date: <b>4/28/2015</b>	PrepBy: <b>TWK</b>
BENZENE	ND		0.0055	MG/KG	1	4/28/2015 22:53
TOLUENE	0.08		0.0055	MG/KG	1	4/28/2015 22:53
ETHYLBENZENE	0.018		0.0055	MG/KG	1	4/28/2015 22:53
M+P-XYLENE	0.074		0.0055	MG/KG	1	4/28/2015 22:53
O-XYLENE	0.048		0.0055	MG/KG	1	4/28/2015 22:53
TOTAL XYLENES	0.12		0.005	MG/KG	1	4/28/2015 22:53
Surr: DIBROMOFLUOROMETHANE	100		61-134	%REC	1	4/28/2015 22:53
Surr: TOLUENE-D8	97		57-135	%REC	1	4/28/2015 22:53
Surr: 4-BROMOFLUOROBENZENE	97		52-151	%REC	1	4/28/2015 22:53

**Client:** Talon LPE  
**Project:** 701530.024.01 Nelson A6 A7  
**Sample ID:** SB2 30'-35'  
**Legal Location:**  
**Collection Date:** 4/15/2015 10:20

**Date:** 04-May-15  
**Work Order:** 1504425  
**Lab ID:** 1504425-7  
**Matrix:** SOIL  
**Percent Moisture:** 15.1

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>			<b>SW8015M</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	ND		5.7	MG/KG	1	4/23/2015 21:50
Surr: O-TERPHENYL	96		53-116	%REC	1	4/23/2015 21:50
<b>Gasoline Range Organics</b>			<b>SW8015</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
GASOLINE RANGE ORGANICS	ND		0.56	MG/KG	1	4/23/2015 14:15
Surr: 2,3,4-TRIFLUOROTOLUENE	104		76-126	%REC	1	4/23/2015 14:15
<b>GC/MS Volatiles</b>			<b>SW8260</b>		Prep Date: <b>4/28/2015</b>	PrepBy: <b>TWK</b>
BENZENE	ND		0.0052	MG/KG	1	4/28/2015 09:53
TOLUENE	ND		0.0052	MG/KG	1	4/28/2015 09:53
ETHYLBENZENE	ND		0.0052	MG/KG	1	4/28/2015 09:53
M+P-XYLENE	ND		0.0052	MG/KG	1	4/28/2015 09:53
<b>O-XYLENE</b>	<b>0.0054</b>		<b>0.0052</b>	<b>MG/KG</b>	1	4/28/2015 09:53
<b>TOTAL XYLENES</b>	<b>0.0054</b>		<b>0.005</b>	<b>MG/KG</b>	1	4/28/2015 09:53
Surr: DIBROMOFLUOROMETHANE	100		61-134	%REC	1	4/28/2015 09:53
Surr: TOLUENE-D8	98		57-135	%REC	1	4/28/2015 09:53
Surr: 4-BROMOFLUOROBENZENE	100		52-151	%REC	1	4/28/2015 09:53

**Client:** Talon LPE  
**Project:** 701530.024.01 Nelson A6 A7  
**Sample ID:** SB3 10'-15'  
**Legal Location:**  
**Collection Date:** 4/15/2015 11:20

**Date:** 04-May-15  
**Work Order:** 1504425  
**Lab ID:** 1504425-8  
**Matrix:** SOIL  
**Percent Moisture:** 20.3

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>			<b>SW8015M</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	ND		5.7	MG/KG	1	4/24/2015 10:52
Surr: O-TERPHENYL	94		53-116	%REC	1	4/24/2015 10:52
<b>Gasoline Range Organics</b>			<b>SW8015</b>		Prep Date: <b>4/24/2015</b>	PrepBy: <b>JFN</b>
GASOLINE RANGE ORGANICS	ND		0.61	MG/KG	1	4/24/2015 10:28
Surr: 2,3,4-TRIFLUOROTOLUENE	100		76-126	%REC	1	4/24/2015 10:28
<b>GC/MS Volatiles</b>			<b>SW8260</b>		Prep Date: <b>4/28/2015</b>	PrepBy: <b>TWK</b>
BENZENE	ND		0.006	MG/KG	1	4/28/2015 22:07
TOLUENE	ND		0.006	MG/KG	1	4/28/2015 22:07
ETHYLBENZENE	ND		0.006	MG/KG	1	4/28/2015 22:07
M+P-XYLENE	ND		0.006	MG/KG	1	4/28/2015 22:07
O-XYLENE	ND		0.006	MG/KG	1	4/28/2015 22:07
TOTAL XYLENES	ND		0.005	MG/KG	1	4/28/2015 22:07
Surr: DIBROMOFLUOROMETHANE	100		61-134	%REC	1	4/28/2015 22:07
Surr: TOLUENE-D8	95		57-135	%REC	1	4/28/2015 22:07
Surr: 4-BROMOFLUOROBENZENE	96		52-151	%REC	1	4/28/2015 22:07

**Client:** Talon LPE  
**Project:** 701530.024.01 Nelson A6 A7  
**Sample ID:** SB3 20'-25'  
**Legal Location:**  
**Collection Date:** 4/15/2015 11:42

**Date:** 04-May-15  
**Work Order:** 1504425  
**Lab ID:** 1504425-9  
**Matrix:** SOIL  
**Percent Moisture:** 26.4

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>			<b>SW8015M</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	ND		6.7	MG/KG	1	4/24/2015 11:27
Surr: O-TERPHENYL	93		53-116	%REC	1	4/24/2015 11:27
<b>Gasoline Range Organics</b>			<b>SW8015</b>		Prep Date: <b>4/24/2015</b>	PrepBy: <b>JFN</b>
GASOLINE RANGE ORGANICS	ND		0.58	MG/KG	1	4/24/2015 10:48
Surr: 2,3,4-TRIFLUOROTOLUENE	98		76-126	%REC	1	4/24/2015 10:48
<b>GC/MS Volatiles</b>			<b>SW8260</b>		Prep Date: <b>4/28/2015</b>	PrepBy: <b>TWK</b>
BENZENE	ND		0.0064	MG/KG	1	4/28/2015 10:16
TOLUENE	ND		0.0064	MG/KG	1	4/28/2015 10:16
ETHYLBENZENE	ND		0.0064	MG/KG	1	4/28/2015 10:16
M+P-XYLENE	ND		0.0064	MG/KG	1	4/28/2015 10:16
O-XYLENE	ND		0.0064	MG/KG	1	4/28/2015 10:16
TOTAL XYLENES	ND		0.005	MG/KG	1	4/28/2015 10:16
Surr: DIBROMOFLUOROMETHANE	99		61-134	%REC	1	4/28/2015 10:16
Surr: TOLUENE-D8	98		57-135	%REC	1	4/28/2015 10:16
Surr: 4-BROMOFLUOROBENZENE	98		52-151	%REC	1	4/28/2015 10:16

**Client:** Talon LPE  
**Project:** 701530.024.01 Nelson A6 A7  
**Sample ID:** SB4 0'-5'  
**Legal Location:**  
**Collection Date:** 4/15/2015 13:07

**Date:** 04-May-15  
**Work Order:** 1504425  
**Lab ID:** 1504425-10  
**Matrix:** SOIL  
**Percent Moisture:** 17.9

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>			<b>SW8015M</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	43	4,5,8,M	5.9	MG/KG	1	4/24/2015 12:03
Surr: O-TERPHENYL	97		53-116	%REC	1	4/24/2015 12:03
<b>Gasoline Range Organics</b>			<b>SW8015</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
GASOLINE RANGE ORGANICS	35	GZ	0.59	MG/KG	1	4/23/2015 15:18
Surr: 2,3,4-TRIFLUOROTOLUENE	144	*	76-126	%REC	1	4/23/2015 15:18
<b>GC/MS Volatiles</b>			<b>SW8260</b>		Prep Date: <b>4/29/2015</b>	PrepBy: <b>TWK</b>
BENZENE	ND		0.0059	MG/KG	1	4/29/2015 10:31
TOLUENE	ND		0.0059	MG/KG	1	4/29/2015 10:31
ETHYLBENZENE	ND		0.0059	MG/KG	1	4/29/2015 10:31
M+P-XYLENE	ND		0.0059	MG/KG	1	4/29/2015 10:31
O-XYLENE	ND		0.0059	MG/KG	1	4/29/2015 10:31
TOTAL XYLENES	ND		0.005	MG/KG	1	4/29/2015 10:31
Surr: DIBROMOFLUOROMETHANE	97		61-134	%REC	1	4/29/2015 10:31
Surr: TOLUENE-D8	109		57-135	%REC	1	4/29/2015 10:31
Surr: 4-BROMOFLUOROBENZENE	97		52-151	%REC	1	4/29/2015 10:31

**Client:** Talon LPE  
**Project:** 701530.024.01 Nelson A6 A7  
**Sample ID:** SB4 10'-15'  
**Legal Location:**  
**Collection Date:** 4/15/2015 13:38

**Date:** 04-May-15  
**Work Order:** 1504425  
**Lab ID:** 1504425-11  
**Matrix:** SOIL  
**Percent Moisture:** 7.9

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>			<b>SW8015M</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	ND		5.4	MG/KG	1	4/24/2015 12:39
Surr: O-TERPHENYL	95		53-116	%REC	1	4/24/2015 12:39
<b>Gasoline Range Organics</b>			<b>SW8015</b>		Prep Date: <b>4/24/2015</b>	PrepBy: <b>JFN</b>
GASOLINE RANGE ORGANICS	ND		0.49	MG/KG	1	4/24/2015 11:08
Surr: 2,3,4-TRIFLUOROTOLUENE	98		76-126	%REC	1	4/24/2015 11:08
<b>GC/MS Volatiles</b>			<b>SW8260</b>		Prep Date: <b>4/28/2015</b>	PrepBy: <b>TWK</b>
BENZENE	ND		0.0049	MG/KG	1	4/28/2015 10:39
TOLUENE	ND		0.0049	MG/KG	1	4/28/2015 10:39
ETHYLBENZENE	ND		0.0049	MG/KG	1	4/28/2015 10:39
M+P-XYLENE	ND		0.0049	MG/KG	1	4/28/2015 10:39
O-XYLENE	ND		0.0049	MG/KG	1	4/28/2015 10:39
TOTAL XYLENES	ND		0.005	MG/KG	1	4/28/2015 10:39
Surr: DIBROMOFLUOROMETHANE	99		61-134	%REC	1	4/28/2015 10:39
Surr: TOLUENE-D8	97		57-135	%REC	1	4/28/2015 10:39
Surr: 4-BROMOFLUOROBENZENE	96		52-151	%REC	1	4/28/2015 10:39



**Client:** Talon LPE  
**Project:** 701530.024.01 Nelson A6 A7  
**Sample ID:** SB4 20'-25'  
**Legal Location:**  
**Collection Date:** 4/15/2015 13:47

**Date:** 04-May-15  
**Work Order:** 1504425  
**Lab ID:** 1504425-12  
**Matrix:** SOIL  
**Percent Moisture:** 13.0

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>			<b>SW8015M</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	ND		5.7	MG/KG	1	4/24/2015 13:15
Surr: O-TERPHENYL	96		53-116	%REC	1	4/24/2015 13:15
<b>Gasoline Range Organics</b>			<b>SW8015</b>		Prep Date: <b>4/24/2015</b>	PrepBy: <b>JFN</b>
GASOLINE RANGE ORGANICS	ND		0.51	MG/KG	1	4/24/2015 12:11
Surr: 2,3,4-TRIFLUOROTOLUENE	102		76-126	%REC	1	4/24/2015 12:11
<b>GC/MS Volatiles</b>			<b>SW8260</b>		Prep Date: <b>4/28/2015</b>	PrepBy: <b>TWK</b>
BENZENE	ND		0.0055	MG/KG	1	4/28/2015 11:02
<b>TOLUENE</b>	<b>0.02</b>		<b>0.0055</b>	<b>MG/KG</b>	1	4/28/2015 11:02
ETHYLBENZENE	ND		0.0055	MG/KG	1	4/28/2015 11:02
<b>M+P-XYLENE</b>	<b>0.012</b>		<b>0.0055</b>	<b>MG/KG</b>	1	4/28/2015 11:02
<b>O-XYLENE</b>	<b>0.021</b>		<b>0.0055</b>	<b>MG/KG</b>	1	4/28/2015 11:02
<b>TOTAL XYLENES</b>	<b>0.032</b>		<b>0.005</b>	<b>MG/KG</b>	1	4/28/2015 11:02
Surr: DIBROMOFLUOROMETHANE	101		61-134	%REC	1	4/28/2015 11:02
Surr: TOLUENE-D8	98		57-135	%REC	1	4/28/2015 11:02
Surr: 4-BROMOFLUOROBENZENE	96		52-151	%REC	1	4/28/2015 11:02

**Client:** Talon LPE  
**Project:** 701530.024.01 Nelson A6 A7  
**Sample ID:** SB4 30'-35'  
**Legal Location:**  
**Collection Date:** 4/15/2015 14:02

**Date:** 04-May-15  
**Work Order:** 1504425  
**Lab ID:** 1504425-13  
**Matrix:** SOIL  
**Percent Moisture:** 17.1

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>			<b>SW8015M</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	ND		5.8	MG/KG	1	4/24/2015 13:50
Surr: O-TERPHENYL	97		53-116	%REC	1	4/24/2015 13:50
<b>Gasoline Range Organics</b>			<b>SW8015</b>		Prep Date: <b>4/24/2015</b>	PrepBy: <b>JFN</b>
GASOLINE RANGE ORGANICS	ND		0.56	MG/KG	1	4/24/2015 12:32
Surr: 2,3,4-TRIFLUOROTOLUENE	101		76-126	%REC	1	4/24/2015 12:32
<b>GC/MS Volatiles</b>			<b>SW8260</b>		Prep Date: <b>4/28/2015</b>	PrepBy: <b>TWK</b>
BENZENE	ND		0.0058	MG/KG	1	4/28/2015 11:24
TOLUENE	ND		0.0058	MG/KG	1	4/28/2015 11:24
ETHYLBENZENE	ND		0.0058	MG/KG	1	4/28/2015 11:24
M+P-XYLENE	ND		0.0058	MG/KG	1	4/28/2015 11:24
O-XYLENE	ND		0.0058	MG/KG	1	4/28/2015 11:24
TOTAL XYLENES	ND		0.005	MG/KG	1	4/28/2015 11:24
Surr: DIBROMOFLUOROMETHANE	101		61-134	%REC	1	4/28/2015 11:24
Surr: TOLUENE-D8	97		57-135	%REC	1	4/28/2015 11:24
Surr: 4-BROMOFLUOROBENZENE	100		52-151	%REC	1	4/28/2015 11:24

**Client:** Talon LPE  
**Project:** 701530.024.01 Nelson A6 A7  
**Sample ID:** SB5 10'-15'  
**Legal Location:**  
**Collection Date:** 4/15/2015 15:18

**Date:** 04-May-15  
**Work Order:** 1504425  
**Lab ID:** 1504425-14  
**Matrix:** SOIL  
**Percent Moisture:** 11.6

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>			<b>SW8015M</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	ND		5.6	MG/KG	1	4/24/2015 14:26
Surr: O-TERPHENYL	96		53-116	%REC	1	4/24/2015 14:26
<b>Gasoline Range Organics</b>			<b>SW8015</b>		Prep Date: <b>4/24/2015</b>	PrepBy: <b>JFN</b>
GASOLINE RANGE ORGANICS	ND		0.53	MG/KG	1	4/24/2015 12:53
Surr: 2,3,4-TRIFLUOROTOLUENE	95		76-126	%REC	1	4/24/2015 12:53
<b>GC/MS Volatiles</b>			<b>SW8260</b>		Prep Date: <b>4/28/2015</b>	PrepBy: <b>TWK</b>
BENZENE	ND		0.0054	MG/KG	1	4/28/2015 11:47
TOLUENE	ND		0.0054	MG/KG	1	4/28/2015 11:47
ETHYLBENZENE	ND		0.0054	MG/KG	1	4/28/2015 11:47
M+P-XYLENE	ND		0.0054	MG/KG	1	4/28/2015 11:47
O-XYLENE	ND		0.0054	MG/KG	1	4/28/2015 11:47
TOTAL XYLENES	ND		0.005	MG/KG	1	4/28/2015 11:47
Surr: DIBROMOFLUOROMETHANE	100		61-134	%REC	1	4/28/2015 11:47
Surr: TOLUENE-D8	97		57-135	%REC	1	4/28/2015 11:47
Surr: 4-BROMOFLUOROBENZENE	98		52-151	%REC	1	4/28/2015 11:47

**Client:** Talon LPE  
**Project:** 701530.024.01 Nelson A6 A7  
**Sample ID:** SB5 25'-30'  
**Legal Location:**  
**Collection Date:** 4/15/2015 15:35

**Date:** 04-May-15  
**Work Order:** 1504425  
**Lab ID:** 1504425-15  
**Matrix:** SOIL  
**Percent Moisture:** 19.3

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>			<b>SW8015M</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	ND		6.1	MG/KG	1	4/24/2015 15:01
Surr: O-TERPHENYL	98		53-116	%REC	1	4/24/2015 15:01
<b>Gasoline Range Organics</b>			<b>SW8015</b>		Prep Date: <b>4/24/2015</b>	PrepBy: <b>JFN</b>
GASOLINE RANGE ORGANICS	ND		0.36	MG/KG	1	4/24/2015 13:14
Surr: 2,3,4-TRIFLUOROTOLUENE	99		76-126	%REC	1	4/24/2015 13:14
<b>GC/MS Volatiles</b>			<b>SW8260</b>		Prep Date: <b>4/28/2015</b>	PrepBy: <b>TWK</b>
BENZENE	ND		0.006	MG/KG	1	4/28/2015 12:10
TOLUENE	ND		0.006	MG/KG	1	4/28/2015 12:10
ETHYLBENZENE	ND		0.006	MG/KG	1	4/28/2015 12:10
M+P-XYLENE	ND		0.006	MG/KG	1	4/28/2015 12:10
O-XYLENE	ND		0.006	MG/KG	1	4/28/2015 12:10
TOTAL XYLENES	ND		0.005	MG/KG	1	4/28/2015 12:10
Surr: DIBROMOFLUOROMETHANE	101		61-134	%REC	1	4/28/2015 12:10
Surr: TOLUENE-D8	98		57-135	%REC	1	4/28/2015 12:10
Surr: 4-BROMOFLUOROBENZENE	98		52-151	%REC	1	4/28/2015 12:10

**Client:** Talon LPE  
**Project:** 701530.024.01 Nelson A6 A7  
**Sample ID:** SB6 5'-10'  
**Legal Location:**  
**Collection Date:** 4/16/2015 09:09

**Date:** 04-May-15  
**Work Order:** 1504425  
**Lab ID:** 1504425-16  
**Matrix:** SOIL  
**Percent Moisture:** 16.2

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>			<b>SW8015M</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	68	4,5,8,M	5.9	MG/KG	1	4/24/2015 15:37
Surr: O-TERPHENYL	96		53-116	%REC	1	4/24/2015 15:37
<b>Gasoline Range Organics</b>			<b>SW8015</b>		Prep Date: <b>4/24/2015</b>	PrepBy: <b>JFN</b>
GASOLINE RANGE ORGANICS	13	GZ	1.1	MG/KG	1	4/24/2015 13:35
Surr: 2,3,4-TRIFLUOROTOLUENE	109		76-126	%REC	1	4/24/2015 13:35
<b>GC/MS Volatiles</b>			<b>SW8260</b>		Prep Date: <b>4/28/2015</b>	PrepBy: <b>TWK</b>
BENZENE	ND		0.0057	MG/KG	1	4/28/2015 22:30
TOLUENE	ND		0.0057	MG/KG	1	4/28/2015 22:30
ETHYLBENZENE	ND		0.0057	MG/KG	1	4/28/2015 22:30
M+P-XYLENE	0.021		0.0057	MG/KG	1	4/28/2015 22:30
O-XYLENE	ND		0.0057	MG/KG	1	4/28/2015 22:30
TOTAL XYLENES	0.021		0.005	MG/KG	1	4/28/2015 22:30
Surr: DIBROMOFLUOROMETHANE	104		61-134	%REC	1	4/28/2015 22:30
Surr: TOLUENE-D8	101		57-135	%REC	1	4/28/2015 22:30
Surr: 4-BROMOFLUOROBENZENE	98		52-151	%REC	1	4/28/2015 22:30

**Client:** Talon LPE  
**Project:** 701530.024.01 Nelson A6 A7  
**Sample ID:** SB6 10'-15'  
**Legal Location:**  
**Collection Date:** 4/16/2015 09:20

**Date:** 04-May-15  
**Work Order:** 1504425  
**Lab ID:** 1504425-17  
**Matrix:** SOIL  
**Percent Moisture:** 5.5

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>			<b>SW8015M</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	ND		5.1	MG/KG	1	4/24/2015 16:13
Surr: O-TERPHENYL	93		53-116	%REC	1	4/24/2015 16:13
<b>Gasoline Range Organics</b>			<b>SW8015</b>		Prep Date: <b>4/24/2015</b>	PrepBy: <b>JFN</b>
GASOLINE RANGE ORGANICS	ND		0.46	MG/KG	1	4/24/2015 13:55
Surr: 2,3,4-TRIFLUOROTOLUENE	94		76-126	%REC	1	4/24/2015 13:55
<b>GC/MS Volatiles</b>			<b>SW8260</b>		Prep Date: <b>4/28/2015</b>	PrepBy: <b>TWK</b>
BENZENE	ND		0.005	MG/KG	1	4/28/2015 12:33
TOLUENE	ND		0.005	MG/KG	1	4/28/2015 12:33
ETHYLBENZENE	ND		0.005	MG/KG	1	4/28/2015 12:33
M+P-XYLENE	ND		0.005	MG/KG	1	4/28/2015 12:33
O-XYLENE	ND		0.005	MG/KG	1	4/28/2015 12:33
TOTAL XYLENES	ND		0.005	MG/KG	1	4/28/2015 12:33
Surr: DIBROMOFLUOROMETHANE	99		61-134	%REC	1	4/28/2015 12:33
Surr: TOLUENE-D8	100		57-135	%REC	1	4/28/2015 12:33
Surr: 4-BROMOFLUOROBENZENE	102		52-151	%REC	1	4/28/2015 12:33

**Client:** Talon LPE  
**Project:** 701530.024.01 Nelson A6 A7  
**Sample ID:** SB6 20'-25'  
**Legal Location:**  
**Collection Date:** 4/16/2015 09:40

**Date:** 04-May-15  
**Work Order:** 1504425  
**Lab ID:** 1504425-18  
**Matrix:** SOIL  
**Percent Moisture:** 15.7

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>			<b>SW8015M</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	ND		5.8	MG/KG	1	4/24/2015 16:49
Surr: O-TERPHENYL	97		53-116	%REC	1	4/24/2015 16:49
<b>Gasoline Range Organics</b>			<b>SW8015</b>		Prep Date: <b>4/24/2015</b>	PrepBy: <b>JFN</b>
GASOLINE RANGE ORGANICS	ND		0.47	MG/KG	1	4/24/2015 14:16
Surr: 2,3,4-TRIFLUOROTOLUENE	92		76-126	%REC	1	4/24/2015 14:16
<b>GC/MS Volatiles</b>			<b>SW8260</b>		Prep Date: <b>4/28/2015</b>	PrepBy: <b>TWK</b>
BENZENE	ND		0.0054	MG/KG	1	4/28/2015 12:57
TOLUENE	ND		0.0054	MG/KG	1	4/28/2015 12:57
ETHYLBENZENE	ND		0.0054	MG/KG	1	4/28/2015 12:57
M+P-XYLENE	ND		0.0054	MG/KG	1	4/28/2015 12:57
O-XYLENE	ND		0.0054	MG/KG	1	4/28/2015 12:57
TOTAL XYLENES	ND		0.005	MG/KG	1	4/28/2015 12:57
Surr: DIBROMOFLUOROMETHANE	99		61-134	%REC	1	4/28/2015 12:57
Surr: TOLUENE-D8	98		57-135	%REC	1	4/28/2015 12:57
Surr: 4-BROMOFLUOROBENZENE	97		52-151	%REC	1	4/28/2015 12:57

**Client:** Talon LPE  
**Project:** 701530.024.01 Nelson A6 A7  
**Sample ID:** SB6 30'-35'  
**Legal Location:**  
**Collection Date:** 4/16/2015 10:00

**Date:** 04-May-15  
**Work Order:** 1504425  
**Lab ID:** 1504425-19  
**Matrix:** SOIL  
**Percent Moisture:** 19.1

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>			<b>SW8015M</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	ND		6.1	MG/KG	1	4/24/2015 17:24
Surr: O-TERPHENYL	98		53-116	%REC	1	4/24/2015 17:24
<b>Gasoline Range Organics</b>			<b>SW8015</b>		Prep Date: <b>4/24/2015</b>	PrepBy: <b>JFN</b>
GASOLINE RANGE ORGANICS	ND		0.56	MG/KG	1	4/24/2015 14:37
Surr: 2,3,4-TRIFLUOROTOLUENE	94		76-126	%REC	1	4/24/2015 14:37
<b>GC/MS Volatiles</b>			<b>SW8260</b>		Prep Date: <b>4/28/2015</b>	PrepBy: <b>TWK</b>
BENZENE	ND		0.0059	MG/KG	1	4/28/2015 13:20
TOLUENE	ND		0.0059	MG/KG	1	4/28/2015 13:20
ETHYLBENZENE	ND		0.0059	MG/KG	1	4/28/2015 13:20
M+P-XYLENE	ND		0.0059	MG/KG	1	4/28/2015 13:20
O-XYLENE	ND		0.0059	MG/KG	1	4/28/2015 13:20
TOTAL XYLENES	ND		0.005	MG/KG	1	4/28/2015 13:20
Surr: DIBROMOFLUOROMETHANE	100		61-134	%REC	1	4/28/2015 13:20
Surr: TOLUENE-D8	97		57-135	%REC	1	4/28/2015 13:20
Surr: 4-BROMOFLUOROBENZENE	97		52-151	%REC	1	4/28/2015 13:20



**Client:** Talon LPE  
**Project:** 701530.024.01 Nelson A6 A7  
**Sample ID:** SB7 10'-15'  
**Legal Location:**  
**Collection Date:** 4/16/2015 10:40

**Date:** 04-May-15  
**Work Order:** 1504425  
**Lab ID:** 1504425-20  
**Matrix:** SOIL  
**Percent Moisture:** 12.2

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>			<b>SW8015M</b>		Prep Date: <b>4/23/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	ND		5.3	MG/KG	1	4/24/2015 18:00
Surr: O-TERPHENYL	94		53-116	%REC	1	4/24/2015 18:00
<b>Gasoline Range Organics</b>			<b>SW8015</b>		Prep Date: <b>4/24/2015</b>	PrepBy: <b>JFN</b>
GASOLINE RANGE ORGANICS	ND		0.54	MG/KG	1	4/24/2015 15:19
Surr: 2,3,4-TRIFLUOROTOLUENE	92		76-126	%REC	1	4/24/2015 15:19
<b>GC/MS Volatiles</b>			<b>SW8260</b>		Prep Date: <b>4/28/2015</b>	PrepBy: <b>TWK</b>
BENZENE	ND		0.0052	MG/KG	1	4/28/2015 13:43
TOLUENE	ND		0.0052	MG/KG	1	4/28/2015 13:43
ETHYLBENZENE	ND		0.0052	MG/KG	1	4/28/2015 13:43
M+P-XYLENE	ND		0.0052	MG/KG	1	4/28/2015 13:43
O-XYLENE	ND		0.0052	MG/KG	1	4/28/2015 13:43
TOTAL XYLENES	ND		0.005	MG/KG	1	4/28/2015 13:43
Surr: DIBROMOFLUOROMETHANE	101		61-134	%REC	1	4/28/2015 13:43
Surr: TOLUENE-D8	96		57-135	%REC	1	4/28/2015 13:43
Surr: 4-BROMOFLUOROBENZENE	98		52-151	%REC	1	4/28/2015 13:43

**Client:** Talon LPE  
**Project:** 701530.024.01 Nelson A6 A7  
**Sample ID:** SB7 25'-30'  
**Legal Location:**  
**Collection Date:** 4/16/2015 11:15

**Date:** 04-May-15  
**Work Order:** 1504425  
**Lab ID:** 1504425-21  
**Matrix:** SOIL  
**Percent Moisture:** 15.1

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Diesel Range Organics</b>			<b>SW8015M</b>		Prep Date: <b>4/25/2015</b>	PrepBy: <b>JFN</b>
Diesel Range Organics	ND		5.7	MG/KG	1	4/26/2015 17:11
Surr: O-TERPHENYL	92		53-116	%REC	1	4/26/2015 17:11
<b>Gasoline Range Organics</b>			<b>SW8015</b>		Prep Date: <b>4/24/2015</b>	PrepBy: <b>JFN</b>
GASOLINE RANGE ORGANICS	ND		0.43	MG/KG	1	4/24/2015 15:40
Surr: 2,3,4-TRIFLUOROTOLUENE	95		76-126	%REC	1	4/24/2015 15:40
<b>GC/MS Volatiles</b>			<b>SW8260</b>		Prep Date: <b>4/28/2015</b>	PrepBy: <b>TWK</b>
BENZENE	ND		0.0056	MG/KG	1	4/28/2015 14:07
TOLUENE	ND		0.0056	MG/KG	1	4/28/2015 14:07
ETHYLBENZENE	ND		0.0056	MG/KG	1	4/28/2015 14:07
M+P-XYLENE	ND		0.0056	MG/KG	1	4/28/2015 14:07
O-XYLENE	ND		0.0056	MG/KG	1	4/28/2015 14:07
TOTAL XYLENES	ND		0.005	MG/KG	1	4/28/2015 14:07
Surr: DIBROMOFLUOROMETHANE	99		61-134	%REC	1	4/28/2015 14:07
Surr: TOLUENE-D8	97		57-135	%REC	1	4/28/2015 14:07
Surr: 4-BROMOFLUOROBENZENE	97		52-151	%REC	1	4/28/2015 14:07

**Client:** Talon LPE  
**Project:** 701530.024.01 Nelson A6 A7  
**Sample ID:** SB7 25'-30'  
**Legal Location:**  
**Collection Date:** 4/16/2015 11:15

**Date:** 04-May-15  
**Work Order:** 1504425  
**Lab ID:** 1504425-21  
**Matrix:** SOIL  
**Percent Moisture:** 15.1

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
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### Explanation of Qualifiers

#### Radiochemistry:

U or ND - Result is less than the sample specific MDC.  
Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.  
Y2 - Chemical Yield outside default limits.  
W - DER is greater than Warning Limit of 1.42  
\* - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.  
# - Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.  
G - Sample density differs by more than 15% of LCS density.  
D - DER is greater than Control Limit  
M - Requested MDC not met.  
LT - Result is less than requested MDC but greater than achieved MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.  
L - LCS Recovery below lower control limit.  
H - LCS Recovery above upper control limit.  
P - LCS, Matrix Spike Recovery within control limits.  
N - Matrix Spike Recovery outside control limits  
NC - Not Calculated for duplicate results less than 5 times MDC  
B - Analyte concentration greater than MDC.  
B3 - Analyte concentration greater than MDC but less than Requested MDC.

#### Inorganics:

B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).  
U or ND - Indicates that the compound was analyzed for but not detected.  
E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.  
M - Duplicate injection precision was not met.  
N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.  
Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.  
\* - Duplicate analysis (relative percent difference) not within control limits.  
S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

#### Organics:

U or ND - Indicates that the compound was analyzed for but not detected.  
B - Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.  
E - Analyte concentration exceeds the upper level of the calibration range.  
J - Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).  
A - A tentatively identified compound is a suspected aldol-condensation product.  
X - The analyte was diluted below an accurate quantitation level.  
\* - The spike recovery is equal to or outside the control criteria used.  
+ - The relative percent difference (RPD) equals or exceeds the control criteria.  
G - A pattern resembling gasoline was detected in this sample.  
D - A pattern resembling diesel was detected in this sample.  
M - A pattern resembling motor oil was detected in this sample.  
C - A pattern resembling crude oil was detected in this sample.  
4 - A pattern resembling JP-4 was detected in this sample.  
5 - A pattern resembling JP-5 was detected in this sample.  
H - Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.  
L - Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.  
Z - This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:  
- gasoline  
- JP-8  
- diesel  
- mineral spirits  
- motor oil  
- Stoddard solvent  
- bunker C

## ALS Environmental -- FC

Date: 5/4/2015 3:52:0

Client: Talon LPE

## QC BATCH REPORT

Work Order: 1504425

Project: 701530.024.01 Nelson A6 A7

Batch ID: HC150423-61-1

Instrument ID FUELS-1

Method: SW8015

LCS	Sample ID: <b>HC150423-61</b>				Units: <b>MG/KG</b>		Analysis Date: <b>4/23/2015 09:25</b>				
Client ID:	Run ID: <b>HC150423-6A</b>				Prep Date: <b>4/23/2015</b>			DF: <b>1</b>			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
GASOLINE RANGE ORGANICS	2.36	0.5	2.5		94	79-118				20	
Surr: 2,3,4-TRIFLUOROTOLUENE	0.553		0.5		111	76-126					

LCSD	Sample ID: HC150423-61				Units: MG/KG		Analysis Date: 4/23/2015 16:00				
Client ID:	Run ID: HC150423-6A				Prep Date: 4/23/2015			DF: 1			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
GASOLINE RANGE ORGANICS	2.56	0.5	2.5		103	79-118		2.36	8	20	
Surr: 2,3,4-TRIFLUOROTOLUENE	0.535		0.5		107	76-126			3		

MB	Sample ID: HC150423-61				Units: MG/KG			Analysis Date: 4/23/2015 09:45			
Client ID:		Run ID: HC150423-6A				Prep Date: 4/23/2015			DF: 1		
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
GASOLINE RANGE ORGANICS		ND	0.5								
Surr: 2,3,4-TRIFLUOROTOLUENE	0.501		0.5		100	76-126					

The following samples were analyzed in this batch:

1504425-2	1504425-3	1504425-4
1504425-5	1504425-7	1504425-10

**Client:** Talon LPE  
**Work Order:** 1504425  
**Project:** 701530.024.01 Nelson A6 A7

## QC BATCH REPORT

Batch ID: **HC150423-100-1** Instrument ID **FUELS-1** Method: **SW8015M**

LCS	Sample ID: <b>HC150423-100</b>			Units: <b>MG/KG</b>			Analysis Date: <b>4/23/2015 17:03</b>				
Client ID:		Run ID: <b>HC150423-8AAA</b>			Prep Date: <b>4/23/2015</b>			DF: <b>1</b>			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
Diesel Range Organics	126	5	125		101	76-124				20	
Surr: O-TERPHENYL	5.37		6.25		86	53-116					

MB		Sample ID: HC150423-100				Units: MG/KG		Analysis Date: 4/23/2015 15:52			
Client ID:		Run ID: HC150423-8AAA				Prep Date: 4/23/2015		DF: 1			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
Diesel Range Organics	ND	5									
Surr: O-TERPHENYL	5.47		6.25		88	53-116					

MS		Sample ID: 1504425-3				Units: MG/KG		Analysis Date: 4/23/2015 19:28			
Client ID: SB1 15'-20'		Run ID: HC150423-8AAA				Prep Date: 4/23/2015		DF: 1			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
Diesel Range Organics	128	5.24	131	5.2	98	76-124				20	
Surr: O-TERPHENYL	6.02		6.56		92	53-116					

The following samples were analyzed in this batch:

1504425-1	1504425-2	1504425-3
1504425-4	1504425-5	1504425-6
1504425-7		

Client: Talon LPE  
 Work Order: 1504425  
 Project: 701530.024.01 Nelson A6 A7

# QC BATCH REPORT

Batch ID: **HC150424-61-1** Instrument ID **FUELS-1** Method: **SW8015**

LCS	Sample ID: <b>HC150424-61</b>				Units: <b>MG/KG</b>		Analysis Date: <b>4/24/2015 08:43</b>				
Client ID:	Run ID: <b>HC150424-6A</b>				Prep Date: <b>4/24/2015</b>			DF: <b>1</b>			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
GASOLINE RANGE ORGANICS	2.37	0.5	2.5		95	79-118				20	
Surr: 2,3,4-TRIFLUOROTOLUENE	0.55		0.5		110	76-126					

LCSD	Sample ID: HC150424-61				Units: MG/KG		Analysis Date: 4/24/2015 14:58				
Client ID:	Run ID: HC150424-6A				Prep Date: 4/24/2015			DF: 1			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
GASOLINE RANGE ORGANICS	2.28	0.5	2.5		91	79-118		2.37	4	20	
Surr: 2,3,4-TRIFLUOROTOLUENE	0.54		0.5		108	76-126			2		

MB	Sample ID: HC150424-61				Units: MG/KG			Analysis Date: 4/24/2015 09:04			
Client ID:		Run ID: HC150424-6A				Prep Date: 4/24/2015			DF: 1		
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
GASOLINE RANGE ORGANICS		ND	0.5								
Surr: 2,3,4-TRIFLUOROTOLUENE		0.51	0.5		102	76-126					

MB	Sample ID: HC150424-61M				Units: MG/KG			Analysis Date: 4/24/2015 09:25			
Client ID:		Run ID: HC150424-6A				Prep Date: 4/24/2015			DF: 50		
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
GASOLINE RANGE ORGANICS		ND	5								
Surr: 2,3,4-TRIFLUOROTOLUENE	5.47		5		109	76-126					

MS	Sample ID: 1504425-11				Units: MG/KG			Analysis Date: 4/24/2015 11:29			
Client ID: SB4 10'-15'		Run ID: HC150424-6A				Prep Date: 4/24/2015			DF: 1		
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
GASOLINE RANGE ORGANICS	1.99	0.489	2.44	0.49	81	79-118				40	
Surr: 2,3,4-TRIFLUOROTOLUENE	0.516		0.489		105	76-126					

**Client:** Talon LPE  
**Work Order:** 1504425  
**Project:** 701530.024.01 Nelson A6 A7

## QC BATCH REPORT

Batch ID: **HC150424-61-1** Instrument ID **FUELS-1** Method: **SW8015**

**MSD** Sample ID: **1504425-11** Units: **MG/KG** Analysis Date: **4/24/2015 11:50**

Client ID: **SB4 10'-15'** Run ID: **HC150424-6A** Prep Date: **4/24/2015** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
GASOLINE RANGE ORGANICS	1.87	0.464	2.32	0.49	81	79-118		1.99	6	40	
Surr: 2,3,4-TRIFLUOROTOLUENE	0.479		0.464		103	76-126			7		

The following samples were analyzed in this batch:

1504425-1	1504425-6	1504425-8
1504425-9	1504425-11	1504425-12
1504425-13	1504425-14	1504425-15
1504425-16	1504425-17	1504425-18
1504425-19	1504425-20	1504425-21

**Client:** Talon LPE  
**Work Order:** 1504425  
**Project:** 701530.024.01 Nelson A6 A7

## QC BATCH REPORT

Batch ID: **HC150426-100-1** Instrument ID **FUELS-1** Method: **SW8015M**

**LCS** Sample ID: **HC150426-100** Units: **MG/KG** Analysis Date: **4/26/2015 15:25**

Client ID: Run ID: **HC150426-8A** Prep Date: **4/25/2015** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
Diesel Range Organics	126	5	125		101	76-124				20	
Surr: O-TERPHENYL	9.4		12.5		75	53-116					

**MB** Sample ID: **HC150426-100** Units: **MG/KG** Analysis Date: **4/26/2015 14:13**

Client ID: Run ID: **HC150426-8A** Prep Date: **4/25/2015** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
Diesel Range Organics	ND	5									
Surr: O-TERPHENYL	10.2		12.5		81	53-116					

The following samples were analyzed in this batch:

1504425-21



Client: Talon LPE  
 Work Order: 1504425  
 Project: 701530.024.01 Nelson A6 A7

# QC BATCH REPORT

Batch ID: **VL150428-4-1** Instrument ID **HPV1** Method: **SW8260**

LCS	Sample ID: VL150428-4			Units: MG/KG			Analysis Date: 4/28/2015 08:45				
Client ID:	Run ID: VL150428-4A			Prep Date: 4/28/2015			DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BENZENE	0.0379	0.005	0.04		95	73-126				30	
TOLUENE	0.0363	0.005	0.04		91	71-127				30	
ETHYLBENZENE	0.0358	0.005	0.04		90	74-127				30	
M+P-XYLENE	0.0708	0.005	0.08		88	79-126				30	
O-XYLENE	0.0353	0.005	0.04		88	77-125				30	
Surr: DIBROMOFLUOROMETHANE	0.0512		0.05		102	61-134					
Surr: TOLUENE-D8	0.0491		0.05		98	57-135					
Surr: 4-BROMOFLUOROBENZENE	0.0489		0.05		98	52-151					

LCSD	Sample ID: VL150428-4			Units: MG/KG		Analysis Date: 4/28/2015 09:07					
Client ID:	Run ID: VL150428-4A			Prep Date: 4/28/2015				DF: 1			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BENZENE	0.0402	0.005	0.04		100	73-126		0.0379	6	30	
TOLUENE	0.04	0.005	0.04		100	71-127		0.0363	10	30	
ETHYLBENZENE	0.04	0.005	0.04		100	74-127		0.0358	11	30	
M+P-XYLENE	0.0787	0.005	0.08		98	79-126		0.0708	11	30	
O-XYLENE	0.0401	0.005	0.04		100	77-125		0.0353	13	30	
Surr: DIBROMOFLUOROMETHANE	0.0508		0.05		102	61-134			1		
Surr: TOLUENE-D8	0.0496		0.05		99	57-135			1		
Surr: 4-BROMOFLUOROBENZENE	0.0477		0.05		95	52-151			2		

MB		Sample ID: VL150428-4			Units: MG/KG		Analysis Date: 4/28/2015 09:30				
Client ID:		Run ID: VL150428-4A			Prep Date: 4/28/2015			DF: 1			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BENZENE	ND	0.005									
TOLUENE	ND	0.005									
ETHYLBENZENE	ND	0.005									
M+P-XYLENE	ND	0.005									
O-XYLENE	ND	0.005									
TOTAL XYLENES	ND	0.005									
Surr: DIBROMOFLUOROMETHANE	0.0496		0.05		99	61-134					
Surr: TOLUENE-D8	0.0509		0.05		102	57-135					
Surr: 4-BROMOFLUOROBENZENE	0.0496		0.05		99	52-151					

**Client:** Talon LPE  
**Work Order:** 1504425  
**Project:** 701530.024.01 Nelson A6 A7

## QC BATCH REPORT

The following samples were analyzed in this batch:

1504425-1	1504425-5	1504425-7
1504425-9	1504425-11	1504425-12
1504425-13	1504425-14	1504425-15
1504425-17	1504425-18	1504425-19
1504425-20	1504425-21	

**Client:** Talon LPE  
**Work Order:** 1504425  
**Project:** 701530.024.01 Nelson A6 A7

## QC BATCH REPORT

Batch ID: **VL150428-7-1**      Instrument ID: **HPV1**      Method: **SW8260**

LCS	Sample ID: VL150428-7			Units: MG/KG			Analysis Date: 4/28/2015 16:40				
Client ID:	Run ID: VL150428-7A			Prep Date: 4/28/2015			DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BENZENE	0.0387	0.005	0.04		97	73-126				30	
TOLUENE	0.0367	0.005	0.04		92	71-127				30	
ETHYLBENZENE	0.0365	0.005	0.04		91	74-127				30	
M+P-XYLENE	0.0711	0.005	0.08		89	79-126				30	
O-XYLENE	0.0358	0.005	0.04		89	77-125				30	
Surr: DIBROMOFLUOROMETHANE	0.052		0.05		104	61-134					
Surr: TOLUENE-D8	0.0487		0.05		97	57-135					
Surr: 4-BROMOFLUOROBENZENE	0.0486		0.05		97	52-151					

LCSD	Sample ID: VL150428-7			Units: MG/KG			Analysis Date: 4/28/2015 17:04				
Client ID:	Run ID: VL150428-7A			Prep Date: 4/28/2015			DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BENZENE	0.0389	0.005	0.04		97	73-126		0.0387	1	30	
TOLUENE	0.0371	0.005	0.04		93	71-127		0.0367	1	30	
ETHYLBENZENE	0.0368	0.005	0.04		92	74-127		0.0365	1	30	
M+P-XYLENE	0.0718	0.005	0.08		90	79-126		0.0711	1	30	
O-XYLENE	0.036	0.005	0.04		90	77-125		0.0358	1	30	
Surr: DIBROMOFLUOROMETHANE	0.0528		0.05		106	61-134			2		
Surr: TOLUENE-D8	0.0489		0.05		98	57-135			0		
Surr: 4-BROMOFLUOROBENZENE	0.0497		0.05		99	52-151			2		

MB	Sample ID: VL150428-7				Units: MG/KG		Analysis Date: 4/28/2015 17:28				
Client ID:	Run ID: VL150428-7A				Prep Date: 4/28/2015			DF: 1			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BENZENE	ND	0.005									
TOLUENE	ND	0.005									
ETHYLBENZENE	ND	0.005									
M+P-XYLENE	ND	0.005									
O-XYLENE	ND	0.005									
TOTAL XYLENES	ND	0.005									
Surr: DIBROMOFLUOROMETHANE	0.0487		0.05		97	61-134					
Surr: TOLUENE-D8	0.0491		0.05		98	57-135					
Surr: 4-BROMOFLUOROBENZENE	0.0491		0.05		98	52-151					

**Client:** Talon LPE  
**Work Order:** 1504425  
**Project:** 701530.024.01 Nelson A6 A7

## QC BATCH REPORT

Batch ID: **VL150428-7-1** Instrument ID **HPV1** Method: **SW8260**

**MB** Sample ID: **VL150428-7M** Units: **MG/KG** Analysis Date: **4/28/2015 17:51**

Client ID: Run ID: **VL150428-7A** Prep Date: **4/28/2015** DF: **50**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BENZENE	ND	0.25									
TOLUENE	ND	0.25									
ETHYLBENZENE	ND	0.25									
M+P-XYLENE	ND	0.25									
O-XYLENE	ND	0.25									
TOTAL XYLENES	ND	0.005									
Surr: DIBROMOFLUOROMETHANE	2.42		2.5		97	61-134					
Surr: TOLUENE-D8	2.53		2.5		101	57-135					
Surr: 4-BROMOFLUOROBENZENE	2.51		2.5		100	52-151					

The following samples were analyzed in this batch:

1504425-1	1504425-2	1504425-3
1504425-4	1504425-6	1504425-8
1504425-16		

Client: Talon LPE  
 Work Order: 1504425  
 Project: 701530.024.01 Nelson A6 A7

# QC BATCH REPORT

Batch ID: **VL150429-4-1** Instrument ID **HPV1** Method: **SW8260**

LCS		Sample ID: <b>VL150429-4</b>			Units: <b>MG/KG</b>			Analysis Date: <b>4/29/2015 06:58</b>			
Client ID:		Run ID: <b>VL150429-4A</b>			Prep Date: <b>4/29/2015</b>			DF: <b>1</b>			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BENZENE	0.041	0.005	0.04		102	73-126				30	
TOLUENE	0.0409	0.005	0.04		102	71-127				30	
ETHYLBENZENE	0.0405	0.005	0.04		101	74-127				30	
M+P-XYLENE	0.0797	0.005	0.08		100	79-126				30	
O-XYLENE	0.039	0.005	0.04		98	77-125				30	
Surr: DIBROMOFLUOROMETHANE	0.0495		0.05		99	61-134					
Surr: TOLUENE-D8	0.0493		0.05		99	57-135					
Surr: 4-BROMOFLUOROBENZENE	0.049		0.05		98	52-151					

LCSD		Sample ID: <b>VL150429-4</b>			Units: <b>MG/KG</b>			Analysis Date: <b>4/29/2015 07:21</b>			
Client ID:		Run ID: <b>VL150429-4A</b>			Prep Date: <b>4/29/2015</b>			DF: <b>1</b>			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BENZENE	0.0404	0.005	0.04		101	73-126		0.041	1	30	
TOLUENE	0.0401	0.005	0.04		100	71-127		0.0409	2	30	
ETHYLBENZENE	0.0398	0.005	0.04		99	74-127		0.0405	2	30	
M+P-XYLENE	0.0788	0.005	0.08		98	79-126		0.0797	1	30	
O-XYLENE	0.0391	0.005	0.04		98	77-125		0.039	0	30	
Surr: DIBROMOFLUOROMETHANE	0.0494		0.05		99	61-134			0		
Surr: TOLUENE-D8	0.0494		0.05		99	57-135			0		
Surr: 4-BROMOFLUOROBENZENE	0.049		0.05		98	52-151			0		

MB		Sample ID: <b>VL150429-4</b>			Units: <b>MG/KG</b>			Analysis Date: <b>4/29/2015 07:45</b>			
Client ID:		Run ID: <b>VL150429-4A</b>			Prep Date: <b>4/29/2015</b>			DF: <b>1</b>			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BENZENE	ND	0.005									
TOLUENE	ND	0.005									
ETHYLBENZENE	ND	0.005									
M+P-XYLENE	ND	0.005									
O-XYLENE	ND	0.005									
TOTAL XYLENES	ND	0.005									
Surr: DIBROMOFLUOROMETHANE	0.0478		0.05		96	61-134					
Surr: TOLUENE-D8	0.0501		0.05		100	57-135					
Surr: 4-BROMOFLUOROBENZENE	0.0498		0.05		100	52-151					

The following samples were analyzed in this batch:

1504425-10