

Friday, June 12, 2015

Colby Sterling
Talon LPE
921 N Bivins
Amarillo, TX 79107

Re: ALS Workorder: 1506113
Project Name: Nelson A6/A7
Project Number: 701530.024.01

Dear Mr. Sterling:

Two soil samples were received from Talon LPE, on 6/5/2015. 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



1506113

GC/MS Volatiles:

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

All 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.

Samples -1 and -2 had elevated surrogate recoveries (above the upper control limit). Inspection of the chromatograms for both samples indicates col-elution of the surrogate with target component peaks, giving a high bias to the surrogate recovery. 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

OrderNum: 1506113

Client Name: Talon LPE

Client Project Name: Nelson A6/A7

Client Project Number: 701530.024.01

Client PO Number:

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
FS-1 @ 8'	1506113-1		SOIL	04-Jun-15	11:20
F-2 @ 6'	1506113-2		SOIL	04-Jun-15	11:10



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 202/8

PROJECT NAME Nelson Ag/AT		SAMPLER TJ Gericci		DATE 6-5-15		PAGE 1 of 1	
PROJECT NO. 70530.024.01		SITE ID		TURNAROUND		By Lab or Return to Client	
COMPANY NAME T-Jen/LE		EDD FORMAT		RETN			
SEND REPORT TO Colby Steeling		PURCHASE ORDER		GRO/DRO			
ADDRESS 1811 E. Mulberry St		BILL TO COMPANY Whiting					
CITY/STATE/ZIP Ft Collins, CO 80524		INVOICE ATTN TO Kyle Wassenaar					
PHONE 970-818-5330		ADDRESS					
FAX		CITY/STATE/ZIP					
E-MAIL csterling@tjtenpc.com		PHONE					
		FAX					
E-MAIL kyle.wassenaar@whiting.com		E-MAIL					
Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC
①	FS-1 @ 8'	Soil	6-4-15	1120	1	NA	NA X X
②	FS-2 @ 6'	Soil	6-4-15	1116	1	NA	NA X X

*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:

QC PACKAGE (check below)	
<input type="checkbox"/>	LEVEL II (Standard OC)
<input type="checkbox"/>	LEVEL III (Std OC + forms)
<input type="checkbox"/>	LEVEL IV (Std OC + forms + raw data)

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHCO4 7-Other 8-4 degrees C 9-5035

RELINQUISHED BY	SIGNATURE	PRINTED NAME	DATE	TIME
RECEIVED BY	<i>[Signature]</i>	TJ Gericci	6-5-15	1215
RELINQUISHED BY	<i>[Signature]</i>	EPeterson	6/5/15	215
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				



ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: TALON

Workorder No: 1506113

Project Manager: ARW

Initials: SDM Date: 06-05-15

1. Does this project require any special handling in addition to standard ALS procedures?		YES	<input checked="" type="radio"/> NO
2. Are custody seals on shipping containers intact?	<input checked="" type="radio"/> NONE	YES	NO
3. Are Custody seals on sample containers intact?	<input checked="" type="radio"/> NONE	YES	NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?		<input checked="" type="radio"/> YES	NO
5. Are the COC and bottle labels complete and legible?		<input checked="" type="radio"/> YES	NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)		<input checked="" type="radio"/> YES	NO
7. Were airbills / shipping documents present and/or removable?	<input checked="" type="radio"/> DROP OFF	YES	NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	<input checked="" type="radio"/> N/A	YES	NO
9. Are all aqueous non-preserved samples pH 4-9?	<input checked="" type="radio"/> N/A	YES	NO
10. Is there sufficient sample for the requested analyses?		<input checked="" type="radio"/> YES	NO
11. Were all samples placed in the proper containers for the requested analyses?		<input checked="" type="radio"/> YES	NO
12. Are all samples within holding times for the requested analyses?		<input checked="" type="radio"/> YES	NO
13. Were all sample containers received intact? (not broken or leaking, etc.)		<input checked="" type="radio"/> YES	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	<input checked="" type="radio"/> N/A	YES	NO
15. Do any water samples contain sediment? Amount Amount of sediment: ___ dusting ___ moderate ___ heavy	<input checked="" type="radio"/> N/A	YES	NO
16. Were the samples shipped on ice?		<input checked="" type="radio"/> YES	NO
17. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: #2 <input checked="" type="radio"/> #4		<input checked="" type="radio"/> YES	NO
Cooler #: <u>1</u>			
Temperature (°C): <u>1.4</u>			
No. of custody seals on cooler: <u>0</u>			
External µR/hr reading: <u>NA</u>			
Background µR/hr reading: <u>12</u>			
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? YES / NO / <input checked="" type="radio"/> 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: *ARW* 6/8/15

Client: Talon LPE
Project: 701530.024.01 Nelson A6/A7
Sample ID: FS-1 @ 8'
Legal Location:
Collection Date: 6/4/2015 11:20

Date: 12-Jun-15
Work Order: 1506113
Lab ID: 1506113-1
Matrix: SOIL
Percent Moisture: 20.8

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Diesel Range Organics						
			SW8015M		Prep Date: 6/9/2015	PrepBy: JFN
Diesel Range Organics	65	ZL	6.1	MG/KG	1	6/10/2015 15:02
Surr: O-TERPHENYL	95		53-116	%REC	1	6/10/2015 15:02
Gasoline Range Organics						
			SW8015		Prep Date: 6/8/2015	PrepBy: JFN
GASOLINE RANGE ORGANICS	79	GZ	1.1	MG/KG	1	6/8/2015 17:02
Surr: 2,3,4-TRIFLUOROTOLUENE	141	*	76-126	%REC	1	6/8/2015 17:02
GC/MS Volatiles						
			SW8260		Prep Date: 6/8/2015	PrepBy: TWK
BENZENE	0.42		0.048	MG/KG	1	6/8/2015 15:16
TOLUENE	2		0.26	MG/KG	50	6/9/2015 16:38
ETHYLBENZENE	0.31		0.048	MG/KG	1	6/8/2015 15:16
M+P-XYLENE	1.6		0.048	MG/KG	1	6/8/2015 15:16
O-XYLENE	0.62		0.048	MG/KG	1	6/8/2015 15:16
TOTAL XYLENES	2.2		0.005	MG/KG	1	6/8/2015 15:16
Surr: DIBROMOFLUOROMETHANE	98		61-134	%REC	1	6/8/2015 15:16
Surr: DIBROMOFLUOROMETHANE	96		61-134	%REC	50	6/9/2015 16:38
Surr: TOLUENE-D8	94		57-135	%REC	50	6/9/2015 16:38
Surr: TOLUENE-D8	93		57-135	%REC	1	6/8/2015 15:16
Surr: 4-BROMOFLUOROBENZENE	97		52-151	%REC	50	6/9/2015 16:38
Surr: 4-BROMOFLUOROBENZENE	95		52-151	%REC	1	6/8/2015 15:16

Client: Talon LPE
Project: 701530.024.01 Nelson A6/A7
Sample ID: F-2 @ 6'
Legal Location:
Collection Date: 6/4/2015 11:10

Date: 12-Jun-15
Work Order: 1506113
Lab ID: 1506113-2
Matrix: SOIL
Percent Moisture: 17.8

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Diesel Range Organics						
			SW8015M		Prep Date: 6/9/2015	PrepBy: JFN
Diesel Range Organics	110	ZL	6	MG/KG	1	6/10/2015 16:35
Surr: O-TERPHENYL	88		53-116	%REC	1	6/10/2015 16:35
Gasoline Range Organics						
			SW8015		Prep Date: 6/8/2015	PrepBy: JFN
GASOLINE RANGE ORGANICS	54	GZ	0.96	MG/KG	1	6/8/2015 18:06
Surr: 2,3,4-TRIFLUOROTOLUENE	136	*	76-126	%REC	1	6/8/2015 18:06
GC/MS Volatiles						
			SW8260		Prep Date: 6/8/2015	PrepBy: TWK
BENZENE	ND		0.061	MG/KG	1	6/8/2015 16:34
TOLUENE	0.057		0.049	MG/KG	1	6/8/2015 15:44
ETHYLBENZENE	0.72		0.049	MG/KG	1	6/8/2015 15:44
M+P-XYLENE	2.9		0.061	MG/KG	1	6/8/2015 16:34
O-XYLENE	0.71		0.049	MG/KG	1	6/8/2015 15:44
TOTAL XYLENES	3.4		0.005	MG/KG	1	6/8/2015 16:34
Surr: DIBROMOFLUOROMETHANE	103		61-134	%REC	1	6/8/2015 15:44
Surr: DIBROMOFLUOROMETHANE	99		61-134	%REC	1	6/8/2015 16:34
Surr: TOLUENE-D8	94		57-135	%REC	1	6/8/2015 16:34
Surr: TOLUENE-D8	91		57-135	%REC	1	6/8/2015 15:44
Surr: 4-BROMOFLUOROBENZENE	93		52-151	%REC	1	6/8/2015 16:34
Surr: 4-BROMOFLUOROBENZENE	96		52-151	%REC	1	6/8/2015 15:44

Client: Talon LPE
Project: 701530.024.01 Nelson A6/A7
Sample ID: F-2 @ 6'
Legal Location:
Collection Date: 6/4/2015 11:10

Date: 12-Jun-15
Work Order: 1506113
Lab ID: 1506113-2
Matrix: SOIL
Percent Moisture: 17.8

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
----------	--------	------	--------------	-------	-----------------	---------------

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

Client: Talon LPE
 Work Order: 1506113
 Project: 701530.024.01 Nelson A6/A7

QC BATCH REPORT

Batch ID: **HC150608-61-1** Instrument ID **FUELS-1** Method: **SW8015**

LCS Sample ID: **HC150608-61** Units: **MG/KG** Analysis Date: **6/8/2015 09:26**
 Client ID: Run ID: **HC150608-6A** Prep Date: **6/8/2015** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
GASOLINE RANGE ORGANICS	2.37	0.5	2.5		95	79-118				20	
Surr: 2,3,4-TRIFLUOROTOLUENE	0.503		0.5		101	76-126					

LCSD Sample ID: **HC150608-61** Units: **MG/KG** Analysis Date: **6/8/2015 15:41**
 Client ID: Run ID: **HC150608-6A** Prep Date: **6/8/2015** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
GASOLINE RANGE ORGANICS	2.45	0.5	2.5		98	79-118		2.37	3	20	
Surr: 2,3,4-TRIFLUOROTOLUENE	0.519		0.5		104	76-126			3		

MB Sample ID: **HC150608-61** Units: **MG/KG** Analysis Date: **6/8/2015 09:47**
 Client ID: Run ID: **HC150608-6A** Prep Date: **6/8/2015** 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	0.449		0.5		90	76-126					

The following samples were analyzed in this batch: 1506113-1 1506113-2

Client: Talon LPE
 Work Order: 1506113
 Project: 701530.024.01 Nelson A6/A7

QC BATCH REPORT

Batch ID: **HC150609-101-1** Instrument ID **FUELS-1** Method: **SW8015M**

LCS		Sample ID: HC150609-101			Units: MG/KG		Analysis Date: 6/10/2015 10:55				
Client ID:		Run ID: HC150610-7A			Prep Date: 6/9/2015		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		100	76-124				20	
Surr: O-TERPHENYL	9.79		12.5		78	53-116					

MB		Sample ID: HC150609-101			Units: MG/KG		Analysis Date: 6/10/2015 10:25				
Client ID:		Run ID: HC150610-7A			Prep Date: 6/9/2015		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	10.3		12.5		82	53-116					

MS		Sample ID: 1506113-1			Units: MG/KG		Analysis Date: 6/10/2015 15:33				
Client ID: FS-1 @ 8'		Run ID: HC150610-7A			Prep Date: 6/9/2015		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
Diesel Range Organics	193	6.11	153		84	76-124				20	
Surr: O-TERPHENYL	14		15.3		92	53-116					

MSD		Sample ID: 1506113-1			Units: MG/KG		Analysis Date: 6/10/2015 16:04				
Client ID: FS-1 @ 8'		Run ID: HC150610-7A			Prep Date: 6/9/2015		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
Diesel Range Organics	184	6.07	152		78	76-124			193	5	20
Surr: O-TERPHENYL	14.1		15.2		93	53-116				1	

The following samples were analyzed in this batch: 1506113-1 1506113-2

Client: Talon LPE
 Work Order: 1506113
 Project: 701530.024.01 Nelson A6/A7

QC BATCH REPORT

Batch ID: VL150608-2-1 Instrument ID: HPV1 Method: SW8260

LCS		Sample ID: VL150608-2			Units: MG/KG		Analysis Date: 6/8/2015 11:34				
Client ID:		Run ID: VL150608-2A			Prep Date: 6/8/2015		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BENZENE	0.0373	0.005	0.04		93	73-126				30	
TOLUENE	0.035	0.005	0.04		87	71-127				30	
ETHYLBENZENE	0.0349	0.005	0.04		87	74-127				30	
M+P-XYLENE	0.072	0.005	0.08		90	79-126				30	
O-XYLENE	0.036	0.005	0.04		90	77-125				30	
Surr: DIBROMOFLUOROMETHANE	0.0494		0.05		99	61-134					
Surr: TOLUENE-D8	0.046		0.05		92	57-135					
Surr: 4-BROMOFLUOROBENZENE	0.0508		0.05		102	52-151					

LCSD		Sample ID: VL150608-2			Units: MG/KG		Analysis Date: 6/8/2015 11:59				
Client ID:		Run ID: VL150608-2A			Prep Date: 6/8/2015		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BENZENE	0.0391	0.005	0.04		98	73-126		0.0373	5	30	
TOLUENE	0.0377	0.005	0.04		94	71-127		0.035	7	30	
ETHYLBENZENE	0.037	0.005	0.04		93	74-127		0.0349	6	30	
M+P-XYLENE	0.0761	0.005	0.08		95	79-126		0.072	6	30	
O-XYLENE	0.038	0.005	0.04		95	77-125		0.036	5	30	
Surr: DIBROMOFLUOROMETHANE	0.0491		0.05		98	61-134			1		
Surr: TOLUENE-D8	0.0472		0.05		94	57-135			3		
Surr: 4-BROMOFLUOROBENZENE	0.0497		0.05		99	52-151			2		

MB		Sample ID: VL150608-2			Units: MG/KG		Analysis Date: 6/8/2015 12:27				
Client ID:		Run ID: VL150608-2A			Prep Date: 6/8/2015		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	0.0501		0.05		100	61-134					
Surr: TOLUENE-D8	0.0466		0.05		93	57-135					
Surr: 4-BROMOFLUOROBENZENE	0.0487		0.05		97	52-151					

The following samples were analyzed in this batch: 1506113-1 1506113-2

Client: Talon LPE
 Work Order: 1506113
 Project: 701530.024.01 Nelson A6/A7

QC BATCH REPORT

Batch ID: **VL150609-2-2** Instrument ID **HPV1** Method: **SW8260**

LCS		Sample ID: VL150609-2			Units: MG/KG		Analysis Date: 6/9/2015 09:59				
Client ID:		Run ID: VL150609-2A			Prep Date: 6/9/2015		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BENZENE	0.0418	0.005	0.04		105	73-126				30	
TOLUENE	0.0395	0.005	0.04		99	71-127				30	
ETHYLBENZENE	0.0383	0.005	0.04		96	74-127				30	
M+P-XYLENE	0.079	0.005	0.08		99	79-126				30	
O-XYLENE	0.0394	0.005	0.04		98	77-125				30	
Surr: DIBROMOFLUOROMETHANE	0.0488		0.05		98	61-134					
Surr: TOLUENE-D8	0.048		0.05		96	57-135					
Surr: 4-BROMOFLUOROBENZENE	0.0497		0.05		99	52-151					

LCSD		Sample ID: VL150609-2			Units: MG/KG		Analysis Date: 6/9/2015 10:22				
Client ID:		Run ID: VL150609-2A			Prep Date: 6/9/2015		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
BENZENE	0.0411	0.005	0.04		103	73-126		0.0418	2	30	
TOLUENE	0.0394	0.005	0.04		98	71-127		0.0395	0	30	
ETHYLBENZENE	0.0378	0.005	0.04		95	74-127		0.0383	1	30	
M+P-XYLENE	0.0784	0.005	0.08		98	79-126		0.079	1	30	
O-XYLENE	0.0387	0.005	0.04		97	77-125		0.0394	2	30	
Surr: DIBROMOFLUOROMETHANE	0.0502		0.05		100	61-134			3		
Surr: TOLUENE-D8	0.047		0.05		94	57-135			2		
Surr: 4-BROMOFLUOROBENZENE	0.049		0.05		98	52-151			1		

MB		Sample ID: VL150609-2			Units: MG/KG		Analysis Date: 6/9/2015 12:27				
Client ID:		Run ID: VL150609-2A			Prep Date: 6/9/2015		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	0.0494		0.05		99	61-134					
Surr: TOLUENE-D8	0.0466		0.05		93	57-135					
Surr: 4-BROMOFLUOROBENZENE	0.0484		0.05		97	52-151					

Client: Talon LPE
Work Order: 1506113
Project: 701530.024.01 Nelson A6/A7

QC BATCH REPORT

Batch ID: **VL150609-2-2** Instrument ID **HPV1** Method: **SW8260**

MB Sample ID: **VL150609-2M** Units: **MG/KG** Analysis Date: **6/9/2015 12:53**
 Client ID: Run ID: **VL150609-2A** Prep Date: **6/9/2015** 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	2.45		2.5		98	61-134					
Surr: TOLUENE-D8	2.38		2.5		95	57-135					
Surr: 4-BROMOFLUOROBENZENE	2.44		2.5		98	52-151					

The following samples were analyzed in this batch: