



29-Jun-2018

Kris Rowe
HRL Compliance Solutions, Inc
2385 F 1/2 Road
Grand Junction, CO 81505

Re: **CPX - TePee Park CFF Pit Sampling**

Work Order: **18061493**

Dear Kris,

ALS Environmental received 6 samples on 22-Jun-2018 09:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 20.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

A handwritten signature in black ink, appearing to read "Chad Whelton".

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Report of Laboratory Analysis

Certificate No: MN 998501

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental 

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Client: HRL Compliance Solutions, Inc
Project: CPX - TePee Park CFF Pit Sampling
Work Order: 18061493

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
18061493-01	Comp SP 1 (upper)	Liquid		6/21/2018 09:45	6/22/2018 09:30	<input type="checkbox"/>
18061493-02	Comp SP 1 (lower)	Liquid		6/21/2018 10:45	6/22/2018 09:30	<input type="checkbox"/>
18061493-03	Comp SP 2 (upper)	Liquid		6/21/2018 10:15	6/22/2018 09:30	<input type="checkbox"/>
18061493-04	Comp SP 2 (lower)	Liquid		6/21/2018 11:20	6/22/2018 09:30	<input type="checkbox"/>
18061493-05	Comp SP 3 (upper)	Liquid		6/21/2018 10:10	6/22/2018 09:30	<input type="checkbox"/>
18061493-06	Comp SP 3 (lower)	Liquid		6/21/2018 11:00	6/22/2018 09:30	<input type="checkbox"/>

Client: HRL Compliance Solutions, Inc
Project: CPX - TePee Park CFF Pit Sampling
Work Order: 18061493

Case Narrative

Batch R238971A, Method VOC_8260_W, Sample 18061493-03A: Verification of sample preservation indicated a pH >2 despite collection in HCl preserved containers.

Batch R239149, Method GRO_8015_W, Sample 18061493-02A: One or more GRO surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is required.

Batch R239149, Method GRO_8015_W, Sample 18061493-04A: GRO surrogate recovery high due to matrix interference.

Client: HRL Compliance Solutions, Inc
Project: CPX - TePee Park CFF Pit Sampling
WorkOrder: 18061493

QUALIFIERS, ACRONYMS, UNITS

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

<u>Units Reported</u>	<u>Description</u>
µg/L	Micrograms per Liter
mg/L	Milligrams per Liter

ALS Group, USA

Date: 29-Jun-18

Client: HRL Compliance Solutions, Inc
Project: CPX - TePee Park CFF Pit Sampling
Sample ID: Comp SP 1 (upper)
Collection Date: 6/21/2018 09:45 AM

Work Order: 18061493
Lab ID: 18061493-01
Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
			SW8015C		Prep: SW3511 6/25/18 13:12	Analyst: MEB
DRO (C10-C28)	ND		0.50	mg/L	1	6/25/2018 06:56 PM
Surr: 4-Terphenyl-d14	53.2		35-161	%REC	1	6/25/2018 06:56 PM
GASOLINE RANGE ORGANICS BY GC-FID						
			SW8015D			Analyst: MEB
GRO (C6-C10)	ND		0.20	mg/L	1	6/28/2018 04:40 PM
Surr: Toluene-d8	117		76-120	%REC	1	6/28/2018 04:40 PM
VOLATILE ORGANIC COMPOUNDS						
			SW8260C			Analyst: LSY
Benzene	ND		1.0	µg/L	1	6/27/2018 04:55 AM
Ethylbenzene	ND		1.0	µg/L	1	6/27/2018 04:55 AM
m,p-Xylene	ND		2.0	µg/L	1	6/27/2018 04:55 AM
o-Xylene	ND		1.0	µg/L	1	6/27/2018 04:55 AM
Toluene	ND		1.0	µg/L	1	6/27/2018 04:55 AM
Xylenes, Total	ND		3.0	µg/L	1	6/27/2018 04:55 AM
Surr: 1,2-Dichloroethane-d4	105		75-120	%REC	1	6/27/2018 04:55 AM
Surr: 4-Bromofluorobenzene	102		80-110	%REC	1	6/27/2018 04:55 AM
Surr: Dibromofluoromethane	101		85-115	%REC	1	6/27/2018 04:55 AM
Surr: Toluene-d8	101		85-110	%REC	1	6/27/2018 04:55 AM
CHLORIDE						
Chloride	760	x	A4500-CL E-11			Analyst: STP
			10	mg/L	10	6/25/2018 04:30 PM
SULFATE						
Sulfate	2.3		A4500-SO4 E-11			Analyst: STP
			1.0	mg/L	1	6/22/2018 07:00 PM
TOTAL DISSOLVED SOLIDS						
			A2540 C-11		Prep: FILTER 6/28/18 08:00	Analyst: KF
Total Dissolved Solids	1,500		10	mg/L	1	6/28/2018 03:18 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 29-Jun-18

Client: HRL Compliance Solutions, Inc
Project: CPX - TePee Park CFF Pit Sampling
Sample ID: Comp SP 1 (lower)
Collection Date: 6/21/2018 10:45 AM

Work Order: 18061493
Lab ID: 18061493-02
Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
			SW8015C		Prep: SW3511 6/25/18 13:12	Analyst: MEB
DRO (C10-C28)	1.1		0.50	mg/L	1	6/25/2018 08:52 PM
Surr: 4-Terphenyl-d14	54.0		35-161	%REC	1	6/25/2018 08:52 PM
GASOLINE RANGE ORGANICS BY GC-FID						
			SW8015D			Analyst: MEB
GRO (C6-C10)	ND		0.20	mg/L	1	6/28/2018 05:10 PM
Surr: Toluene-d8	121	S	76-120	%REC	1	6/28/2018 05:10 PM
VOLATILE ORGANIC COMPOUNDS						
			SW8260C			Analyst: LSY
Benzene	ND		1.0	µg/L	1	6/27/2018 05:11 AM
Ethylbenzene	ND		1.0	µg/L	1	6/27/2018 05:11 AM
m,p-Xylene	ND		2.0	µg/L	1	6/27/2018 05:11 AM
o-Xylene	ND		1.0	µg/L	1	6/27/2018 05:11 AM
Toluene	ND		1.0	µg/L	1	6/27/2018 05:11 AM
Xylenes, Total	ND		3.0	µg/L	1	6/27/2018 05:11 AM
Surr: 1,2-Dichloroethane-d4	102		75-120	%REC	1	6/27/2018 05:11 AM
Surr: 4-Bromofluorobenzene	101		80-110	%REC	1	6/27/2018 05:11 AM
Surr: Dibromofluoromethane	97.2		85-115	%REC	1	6/27/2018 05:11 AM
Surr: Toluene-d8	100		85-110	%REC	1	6/27/2018 05:11 AM
CHLORIDE						
			A4500-CL E-11			Analyst: STP
Chloride	4,300	x	100	mg/L	100	6/25/2018 04:30 PM
SULFATE						
			A4500-SO4 E-11			Analyst: STP
Sulfate	ND		1.0	mg/L	1	6/22/2018 07:00 PM
TOTAL DISSOLVED SOLIDS						
			A2540 C-11		Prep: FILTER 6/28/18 08:00	Analyst: KF
Total Dissolved Solids	7,100		20	mg/L	1	6/28/2018 03:18 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 29-Jun-18

Client: HRL Compliance Solutions, Inc
Project: CPX - TePee Park CFF Pit Sampling
Sample ID: Comp SP 2 (upper)
Collection Date: 6/21/2018 10:15 AM

Work Order: 18061493
Lab ID: 18061493-03
Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
			SW8015C		Prep: SW3511 6/25/18 13:12	Analyst: MEB
DRO (C10-C28)	ND		0.50	mg/L	1	6/25/2018 07:54 PM
Surr: 4-Terphenyl-d14	43.2		35-161	%REC	1	6/25/2018 07:54 PM
GASOLINE RANGE ORGANICS BY GC-FID						
			SW8015D			Analyst: MEB
GRO (C6-C10)	ND		0.20	mg/L	1	6/28/2018 05:40 PM
Surr: Toluene-d8	93.2		76-120	%REC	1	6/28/2018 05:40 PM
VOLATILE ORGANIC COMPOUNDS						
			SW8260C			Analyst: LSY
Benzene	ND		1.0	µg/L	1	6/27/2018 05:27 AM
Ethylbenzene	ND		1.0	µg/L	1	6/27/2018 05:27 AM
m,p-Xylene	ND		2.0	µg/L	1	6/27/2018 05:27 AM
o-Xylene	ND		1.0	µg/L	1	6/27/2018 05:27 AM
Toluene	ND		1.0	µg/L	1	6/27/2018 05:27 AM
Xylenes, Total	ND		3.0	µg/L	1	6/27/2018 05:27 AM
Surr: 1,2-Dichloroethane-d4	102		75-120	%REC	1	6/27/2018 05:27 AM
Surr: 4-Bromofluorobenzene	104		80-110	%REC	1	6/27/2018 05:27 AM
Surr: Dibromofluoromethane	98.2		85-115	%REC	1	6/27/2018 05:27 AM
Surr: Toluene-d8	98.8		85-110	%REC	1	6/27/2018 05:27 AM
CHLORIDE						
Chloride	810	x	A4500-CL E-11			Analyst: STP
			10	mg/L	10	6/25/2018 04:30 PM
SULFATE						
Sulfate	1.2		A4500-SO4 E-11			Analyst: STP
			1.0	mg/L	1	6/22/2018 07:00 PM
TOTAL DISSOLVED SOLIDS						
			A2540 C-11		Prep: FILTER 6/28/18 08:00	Analyst: KF
Total Dissolved Solids	1,500		10	mg/L	1	6/28/2018 03:18 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 29-Jun-18

Client: HRL Compliance Solutions, Inc
Project: CPX - TePee Park CFF Pit Sampling
Sample ID: Comp SP 2 (lower)
Collection Date: 6/21/2018 11:20 AM

Work Order: 18061493
Lab ID: 18061493-04
Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
			SW8015C		Prep: SW3511 6/25/18 13:12	Analyst: MEB
DRO (C10-C28)	2.7		0.50	mg/L	1	6/25/2018 09:22 PM
Surr: 4-Terphenyl-d14	65.5		35-161	%REC	1	6/25/2018 09:22 PM
GASOLINE RANGE ORGANICS BY GC-FID						
			SW8015D			Analyst: MEB
GRO (C6-C10)	7.3		0.20	mg/L	1	6/28/2018 06:09 PM
Surr: Toluene-d8	175	S	76-120	%REC	1	6/28/2018 06:09 PM
VOLATILE ORGANIC COMPOUNDS						
			SW8260C			Analyst: LSY
Benzene	ND		1.0	µg/L	1	6/27/2018 05:42 AM
Ethylbenzene	ND		1.0	µg/L	1	6/27/2018 05:42 AM
m,p-Xylene	2.2		2.0	µg/L	1	6/27/2018 05:42 AM
o-Xylene	1.0		1.0	µg/L	1	6/27/2018 05:42 AM
Toluene	ND		1.0	µg/L	1	6/27/2018 05:42 AM
Xylenes, Total	3.2		3.0	µg/L	1	6/27/2018 05:42 AM
Surr: 1,2-Dichloroethane-d4	99.8		75-120	%REC	1	6/27/2018 05:42 AM
Surr: 4-Bromofluorobenzene	103		80-110	%REC	1	6/27/2018 05:42 AM
Surr: Dibromofluoromethane	100		85-115	%REC	1	6/27/2018 05:42 AM
Surr: Toluene-d8	101		85-110	%REC	1	6/27/2018 05:42 AM
CHLORIDE						
			A4500-CL E-11			Analyst: STP
Chloride	4,900	x	100	mg/L	100	6/25/2018 04:30 PM
SULFATE						
			A4500-SO4 E-11			Analyst: STP
Sulfate	ND		1.0	mg/L	1	6/22/2018 07:00 PM
TOTAL DISSOLVED SOLIDS						
			A2540 C-11		Prep: FILTER 6/28/18 08:00	Analyst: KF
Total Dissolved Solids	8,100		20	mg/L	1	6/28/2018 03:18 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 29-Jun-18

Client: HRL Compliance Solutions, Inc
Project: CPX - TePee Park CFF Pit Sampling
Sample ID: Comp SP 3 (upper)
Collection Date: 6/21/2018 10:10 AM

Work Order: 18061493
Lab ID: 18061493-05
Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
			SW8015C		Prep: SW3511 6/25/18 13:12	Analyst: MEB
DRO (C10-C28)	ND		0.50	mg/L	1	6/25/2018 09:51 PM
Surr: 4-Terphenyl-d14	62.7		35-161	%REC	1	6/25/2018 09:51 PM
GASOLINE RANGE ORGANICS BY GC-FID						
			SW8015D			Analyst: MEB
GRO (C6-C10)	ND		0.20	mg/L	1	6/28/2018 08:09 PM
Surr: Toluene-d8	96.2		76-120	%REC	1	6/28/2018 08:09 PM
VOLATILE ORGANIC COMPOUNDS						
			SW8260C			Analyst: LSY
Benzene	ND		1.0	µg/L	1	6/27/2018 05:58 AM
Ethylbenzene	ND		1.0	µg/L	1	6/27/2018 05:58 AM
m,p-Xylene	ND		2.0	µg/L	1	6/27/2018 05:58 AM
o-Xylene	ND		1.0	µg/L	1	6/27/2018 05:58 AM
Toluene	ND		1.0	µg/L	1	6/27/2018 05:58 AM
Xylenes, Total	ND		3.0	µg/L	1	6/27/2018 05:58 AM
Surr: 1,2-Dichloroethane-d4	100		75-120	%REC	1	6/27/2018 05:58 AM
Surr: 4-Bromofluorobenzene	102		80-110	%REC	1	6/27/2018 05:58 AM
Surr: Dibromofluoromethane	103		85-115	%REC	1	6/27/2018 05:58 AM
Surr: Toluene-d8	102		85-110	%REC	1	6/27/2018 05:58 AM
CHLORIDE						
Chloride	890	x	A4500-CL E-11			Analyst: STP
			10	mg/L	10	6/25/2018 04:30 PM
SULFATE						
Sulfate	1.1		A4500-SO4 E-11			Analyst: STP
			1.0	mg/L	1	6/22/2018 07:00 PM
TOTAL DISSOLVED SOLIDS						
			A2540 C-11		Prep: FILTER 6/28/18 08:00	Analyst: KF
Total Dissolved Solids	1,400		10	mg/L	1	6/28/2018 03:18 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 29-Jun-18

Client: HRL Compliance Solutions, Inc
Project: CPX - TePee Park CFF Pit Sampling
Sample ID: Comp SP 3 (lower)
Collection Date: 6/21/2018 11:00 AM

Work Order: 18061493
Lab ID: 18061493-06
Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
			SW8015C		Prep: SW3511 6/25/18 13:12	Analyst: MEB
DRO (C10-C28)	0.70		0.50	mg/L	1	6/25/2018 10:49 PM
Surr: 4-Terphenyl-d14	47.6		35-161	%REC	1	6/25/2018 10:49 PM
GASOLINE RANGE ORGANICS BY GC-FID						
			SW8015D			Analyst: MEB
GRO (C6-C10)	ND		0.20	mg/L	1	6/28/2018 08:38 PM
Surr: Toluene-d8	115		76-120	%REC	1	6/28/2018 08:38 PM
VOLATILE ORGANIC COMPOUNDS						
			SW8260C			Analyst: LSY
Benzene	ND		1.0	µg/L	1	6/27/2018 06:14 AM
Ethylbenzene	ND		1.0	µg/L	1	6/27/2018 06:14 AM
m,p-Xylene	ND		2.0	µg/L	1	6/27/2018 06:14 AM
o-Xylene	ND		1.0	µg/L	1	6/27/2018 06:14 AM
Toluene	ND		1.0	µg/L	1	6/27/2018 06:14 AM
Xylenes, Total	ND		3.0	µg/L	1	6/27/2018 06:14 AM
Surr: 1,2-Dichloroethane-d4	103		75-120	%REC	1	6/27/2018 06:14 AM
Surr: 4-Bromofluorobenzene	103		80-110	%REC	1	6/27/2018 06:14 AM
Surr: Dibromofluoromethane	102		85-115	%REC	1	6/27/2018 06:14 AM
Surr: Toluene-d8	100		85-110	%REC	1	6/27/2018 06:14 AM
CHLORIDE						
Chloride	3,400	x	A4500-CL E-11			Analyst: STP
			100	mg/L	100	6/25/2018 04:30 PM
SULFATE						
Sulfate	ND		A4500-SO4 E-11			Analyst: STP
			1.0	mg/L	1	6/22/2018 07:00 PM
TOTAL DISSOLVED SOLIDS						
			A2540 C-11		Prep: FILTER 6/28/18 08:00	Analyst: KF
Total Dissolved Solids	5,500		20	mg/L	1	6/28/2018 03:18 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: HRL Compliance Solutions, Inc
Work Order: 18061493
Project: CPX - TePee Park CFF Pit Sampling

QC BATCH REPORT

Batch ID: **120283** Instrument ID **GC8** Method: **SW8015C**

MBLK		Sample ID: DBLKW1-120283-120283				Units: mg/L		Analysis Date: 6/25/2018 05:29 PM		
Client ID:		Run ID: GC8_180625A				SeqNo: 5112443		Prep Date: 6/25/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	ND	0.10								
<i>Surr: 4-Terphenyl-d14</i>	<i>0.03</i>	<i>0</i>	<i>0.0417</i>	<i>0</i>	<i>71.9</i>	<i>35-161</i>	<i>0</i>			

LCS		Sample ID: DLCSW1-120283-120283				Units: mg/L		Analysis Date: 6/25/2018 05:58 PM		
Client ID:		Run ID: GC8_180625A				SeqNo: 5112444		Prep Date: 6/25/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	4.056	0.10	4.17	0	97.3	60-150	0			
<i>Surr: 4-Terphenyl-d14</i>	<i>0.03183</i>	<i>0</i>	<i>0.0417</i>	<i>0</i>	<i>76.3</i>	<i>35-161</i>	<i>0</i>			

MS		Sample ID: 18061493-01B MS				Units: mg/L		Analysis Date: 6/25/2018 07:25 PM		
Client ID: Comp SP 1 (upper)		Run ID: GC8_180625A				SeqNo: 5112447		Prep Date: 6/25/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	4.287	0.10	4.17	0.4062	93.1	60-150	0			
<i>Surr: 4-Terphenyl-d14</i>	<i>0.0315</i>	<i>0</i>	<i>0.0417</i>	<i>0</i>	<i>75.5</i>	<i>35-161</i>	<i>0</i>			

DUP		Sample ID: 18061493-03B DUP				Units: mg/L		Analysis Date: 6/25/2018 08:23 PM		
Client ID: Comp SP 2 (upper)		Run ID: GC8_180625A				SeqNo: 5112449		Prep Date: 6/25/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	0.4742	0.10	0	0.3607	0		0.3607	27.2	30	
<i>Surr: 4-Terphenyl-d14</i>	<i>0.0295</i>	<i>0</i>	<i>0.0417</i>	<i>0</i>	<i>70.7</i>	<i>44-159</i>	<i>0.018</i>	<i>48.4</i>	<i>30</i>	<i>R</i>

The following samples were analyzed in this batch:

18061493-01B	18061493-02B	18061493-03B
18061493-04B	18061493-05B	18061493-06B

Client: HRL Compliance Solutions, Inc
Work Order: 18061493
Project: CPX - TePee Park CFF Pit Sampling

QC BATCH REPORT

Batch ID: **R239149** Instrument ID **GC9** Method: **SW8015**

MBLK		Sample ID: GBLKW1-180628-R239149				Units: µg/L		Analysis Date: 6/28/2018 04:10 PM		
Client ID:		Run ID: GC9_180628A				SeqNo: 5119837		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	ND	200								
Surr: Toluene-d8	109.3	0	100	0	109	70-130	0			

MBLK		Sample ID: GBLKW1-180628-R239149				Units: µg/L		Analysis Date: 6/28/2018 04:10 PM		
Client ID:		Run ID: GC9_180628A				SeqNo: 5119845		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	ND	200								
Surr: Toluene-d8	109.3	0	100	0	109	76-120	0			

LCS		Sample ID: GLCSW1-180628-R239149				Units: µg/L		Analysis Date: 6/28/2018 01:42 PM		
Client ID:		Run ID: GC9_180628A				SeqNo: 5119823		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	9785	200	10000	0	97.9	70-130	0			
Surr: Toluene-d8	96.19	0	100	0	96.2	70-130	0			

LCS		Sample ID: GLCSW1-180628-R239149				Units: µg/L		Analysis Date: 6/28/2018 01:42 PM		
Client ID:		Run ID: GC9_180628A				SeqNo: 5119844		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	9785	200	10000	0	97.9	76-126	0			
Surr: Toluene-d8	96.19	0	100	0	96.2	76-120	0			

MS		Sample ID: 18061843-01A MS				Units: µg/L		Analysis Date: 6/28/2018 10:08 PM		
Client ID:		Run ID: GC9_180628A				SeqNo: 5119855		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	9887	200	10000	0	98.9	76-126	0			
Surr: Toluene-d8	92.66	0	100	0	92.7	76-120	0			

MSD		Sample ID: 18061843-01A MSD				Units: µg/L		Analysis Date: 6/28/2018 10:38 PM		
Client ID:		Run ID: GC9_180628A				SeqNo: 5119856		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	8790	200	10000	0	87.9	76-126	9887	11.7	30	
Surr: Toluene-d8	112	0	100	0	112	76-120	92.66	18.9	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions, Inc
Work Order: 18061493
Project: CPX - TePee Park CFF Pit Sampling

QC BATCH REPORT

Batch ID: **R239149** Instrument ID **GC9** Method: **SW8015**

The following samples were analyzed in this batch:

18061493-01A	18061493-02A	18061493-03A
18061493-04A	18061493-05A	18061493-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions, Inc
Work Order: 18061493
Project: CPX - TePee Park CFF Pit Sampling

QC BATCH REPORT

Batch ID: **R238971A** Instrument ID **VMS8** Method: **SW8260C**

MBLK				Sample ID: VLKW2-180626-R238971A			Units: µg/L		Analysis Date: 6/27/2018 12:58 PM	
Client ID:		Run ID: VMS8_180626C			SeqNo: 5114953		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Ethylbenzene	ND	1.0								
m,p-Xylene	ND	2.0								
o-Xylene	ND	1.0								
Toluene	ND	1.0								
Xylenes, Total	ND	3.0								
Surr: 1,2-Dichloroethane-d4	19.82	0	20	0	99.1	75-120	0			
Surr: 4-Bromofluorobenzene	20.42	0	20	0	102	80-110	0			
Surr: Dibromofluoromethane	20.59	0	20	0	103	85-115	0			
Surr: Toluene-d8	19.78	0	20	0	98.9	85-110	0			

LCS				Sample ID: VLCSW2-180626-R238971A			Units: µg/L		Analysis Date: 6/27/2018 12:10 PM	
Client ID:		Run ID: VMS8_180626C			SeqNo: 5114952		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.16	1.0	20	0	101	85-125	0			
Ethylbenzene	20.77	1.0	20	0	104	76-123	0			
m,p-Xylene	41.85	2.0	40	0	105	75-130	0			
o-Xylene	21.01	1.0	20	0	105	76-127	0			
Toluene	20.5	1.0	20	0	102	76-125	0			
Xylenes, Total	62.86	3.0	60	0	105	76-127	0			
Surr: 1,2-Dichloroethane-d4	20.07	0	20	0	100	75-120	0			
Surr: 4-Bromofluorobenzene	21.1	0	20	0	106	80-110	0			
Surr: Dibromofluoromethane	19.69	0	20	0	98.4	85-115	0			
Surr: Toluene-d8	21.03	0	20	0	105	85-110	0			

MS				Sample ID: 18061532-01A MS			Units: µg/L		Analysis Date: 6/27/2018 06:30 AM	
Client ID:		Run ID: VMS8_180626C			SeqNo: 5114950		Prep Date:		DF: 50	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1457	50	1000	643	81.4	85-125	0			S
Ethylbenzene	1014	50	1000	144	87	76-123	0			
m,p-Xylene	2736	100	2000	980	87.8	75-130	0			
o-Xylene	1156	50	1000	299	85.8	76-127	0			
Toluene	1414	50	1000	563	85.2	76-125	0			
Xylenes, Total	3892	150	3000	1279	87.1	76-127	0			
Surr: 1,2-Dichloroethane-d4	1016	0	1000	0	102	75-120	0			
Surr: 4-Bromofluorobenzene	1028	0	1000	0	103	80-110	0			
Surr: Dibromofluoromethane	1033	0	1000	0	103	85-115	0			
Surr: Toluene-d8	978	0	1000	0	97.8	85-110	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions, Inc
Work Order: 18061493
Project: CPX - TePee Park CFF Pit Sampling

QC BATCH REPORT

Batch ID: **R238971A** Instrument ID **VMS8** Method: **SW8260C**

MSD				Sample ID: 18061532-01A MSD			Units: µg/L		Analysis Date: 6/27/2018 06:46 AM	
Client ID:				Run ID: VMS8_180626C			SeqNo: 5114951		Prep Date:	
									DF: 50	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1511	50	1000	643	86.8	85-125	1457	3.64	30	
Ethylbenzene	1090	50	1000	144	94.6	76-123	1014	7.22	30	
m,p-Xylene	2919	100	2000	980	97	75-130	2736	6.47	30	
o-Xylene	1237	50	1000	299	93.8	76-127	1156	6.73	30	
Toluene	1483	50	1000	563	92	76-125	1414	4.73	30	
Xylenes, Total	4156	150	3000	1279	95.9	76-127	3892	6.55	30	
Surr: 1,2-Dichloroethane-d4	1022	0	1000	0	102	75-120	1016	0.54	30	
Surr: 4-Bromofluorobenzene	1040	0	1000	0	104	80-110	1028	1.16	30	
Surr: Dibromofluoromethane	1014	0	1000	0	101	85-115	1033	1.81	30	
Surr: Toluene-d8	972	0	1000	0	97.2	85-110	978	0.615	30	

The following samples were analyzed in this batch:

18061493-01A	18061493-02A	18061493-03A
18061493-04A	18061493-05A	18061493-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions, Inc
Work Order: 18061493
Project: CPX - TePee Park CFF Pit Sampling

QC BATCH REPORT

Batch ID: **120466** Instrument ID **TDS** Method: **A2540 C-11**

MBLK		Sample ID: MBLK-120466-120466				Units: mg/L		Analysis Date: 6/28/2018 03:18 PM		
Client ID:		Run ID: TDS_180628A				SeqNo: 5118368		Prep Date: 6/28/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Total Dissolved Solids ND 10

LCS		Sample ID: LCS-120466-120466				Units: mg/L		Analysis Date: 6/28/2018 03:18 PM		
Client ID:		Run ID: TDS_180628A				SeqNo: 5118367		Prep Date: 6/28/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Total Dissolved Solids 481 10 495 0 97.2 80-120 0

DUP		Sample ID: 18061436-01A DUP				Units: mg/L		Analysis Date: 6/28/2018 03:18 PM		
Client ID:		Run ID: TDS_180628A				SeqNo: 5118349		Prep Date: 6/28/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Total Dissolved Solids 445 10 0 0 0 0-0 446 0.224 10

DUP		Sample ID: 18061489-01C DUP				Units: mg/L		Analysis Date: 6/28/2018 03:18 PM		
Client ID:		Run ID: TDS_180628A				SeqNo: 5118358		Prep Date: 6/28/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Total Dissolved Solids 617 10 0 0 0 0-0 632 2.4 10

The following samples were analyzed in this batch:

18061493-01C	18061493-02C	18061493-03C
18061493-04C	18061493-05C	18061493-06C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions, Inc
Work Order: 18061493
Project: CPX - TePee Park CFF Pit Sampling

QC BATCH REPORT

Batch ID: **R238787** Instrument ID **GALLERY** Method: **A4500-SO4 E-11**

MBLK		Sample ID: MB-R238787-R238787				Units: mg/L		Analysis Date: 6/22/2018 07:00 PM		
Client ID:		Run ID: GALLERY_180622E		SeqNo: 5110306		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Sulfate ND 1.0

MS		Sample ID: 18061465-04BMS				Units: mg/L		Analysis Date: 6/22/2018 07:00 PM		
Client ID:		Run ID: GALLERY_180622E		SeqNo: 5110313		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Sulfate 70.3 1.0 50 10.01 121 75-125 0

MSD		Sample ID: 18061465-04BMSD				Units: mg/L		Analysis Date: 6/22/2018 07:00 PM		
Client ID:		Run ID: GALLERY_180622E		SeqNo: 5110314		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Sulfate 74.16 1.0 50 10.01 128 75-125 70.3 5.34 20 S

LCS1		Sample ID: LCS1-R238787				Units: mg/L		Analysis Date: 6/22/2018 07:00 PM		
Client ID:		Run ID: GALLERY_180622E		SeqNo: 5110307		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Sulfate 10.87 1.0 10 0 109 80-120 0

LCS2		Sample ID: LCS2-R238787				Units: mg/L		Analysis Date: 6/22/2018 07:00 PM		
Client ID:		Run ID: GALLERY_180622E		SeqNo: 5110322		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Sulfate 53.57 1.0 50 0 107 80-120 0

The following samples were analyzed in this batch:

18061493-01C	18061493-02C	18061493-03C
18061493-04C	18061493-05C	18061493-06C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions, Inc
Work Order: 18061493
Project: CPX - TePee Park CFF Pit Sampling

QC BATCH REPORT

Batch ID: **R238838** Instrument ID **GALLERY** Method: **A4500-CI E-11**

MBLK		Sample ID: MB-R238838-R238838				Units: mg/L		Analysis Date: 6/25/2018 04:30 PM		
Client ID:		Run ID: GALLERY_180625B		SeqNo: 5111402		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chloride 0.3069 1.0 Jx

MS		Sample ID: 18061489-01CMS				Units: mg/L		Analysis Date: 6/25/2018 04:30 PM		
Client ID:		Run ID: GALLERY_180625B		SeqNo: 5111415		Prep Date:		DF: 4		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chloride 175.4 4.0 50 138 74.9 75-125 0 Sx

MSD		Sample ID: 18061489-01CMSD				Units: mg/L		Analysis Date: 6/25/2018 04:30 PM		
Client ID:		Run ID: GALLERY_180625B		SeqNo: 5111416		Prep Date:		DF: 4		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chloride 171.4 4.0 50 138 66.8 75-125 175.4 2.33 25 Sx

LCS1		Sample ID: LCS1-R238838				Units: mg/L		Analysis Date: 6/25/2018 04:30 PM		
Client ID:		Run ID: GALLERY_180625B		SeqNo: 5111403		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chloride 9.386 1.0 10 0 93.9 80-120 0 x

LCS2		Sample ID: LCS2-R238838				Units: mg/L		Analysis Date: 6/25/2018 04:30 PM		
Client ID:		Run ID: GALLERY_180625B		SeqNo: 5111426		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chloride 50.47 1.0 50 0 101 80-120 0 x

The following samples were analyzed in this batch:

18061493-01C	18061493-02C	18061493-03C
18061493-04C	18061493-05C	18061493-06C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



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 202r8

WORKORDER
#

18061493

PROJECT NAME		CPX - TePee Park CFF Pit Sampling		SAMPLER		Kris Rowe		DATE		6/21/2018		PAGE		1 of 2	
PROJECT No.				SITE ID		TePee Park - CFF Pit		TURNAROUND		STD 5 Day		DISPOSAL		By Lab or Return to Client	
COMPANY NAME		HRL COMPLIANCE SOLUTIONS Inc.		BILL TO COMPANY		HRL									
SEND REPORT TO		KRIS ROWE		INVOICE ATTN TO		Kris Rowe & Missy Derosé									
ADDRESS		2385 F 1/2 RD		ADDRESS		2385 F 1/2 RD									
CITY / STATE / ZIP		GRAND JUNCTION CO 81506		CITY / STATE / ZIP		GRAND JUNCTION CO 81506									
PHONE		970-243-3271		PHONE		970-243-3271									
FAX		970-243-3280		FAX		970-243-3280									
E-MAIL		KROWE@HRLCOMP.COM		E-MAIL											
Lab ID		Field ID		Matrix		Sample Date		Sample Time		# Bottles		Pres.		QC	
1		Comp SP 1 (upper)		Liquid		6/21/2018		0945		8					
2		Comp SP 1 (lower)		Liquid		6/21/2018		1045		8					
3		Comp SP 2 (upper)		Liquid		6/21/2018		1015		8					
4		Comp SP 2 (lower)		Liquid		6/21/2018		1120		8					
5		Comp SP 3 (upper)		Liquid		6/21/2018		1010		8					
6		Comp SP 3 (lower)		Liquid		6/21/2018		1100		8					

*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 QC)
	<input type="checkbox"/>	LEVEL III (Std QC + forms)
	<input type="checkbox"/>	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		

8p2.4.02

SIGNATURE		PRINTED NAME		DATE		TIME	
RELINQUISHED BY		Kris Rowe		6/21/2018		1410	
RECEIVED BY		Kris Rowe		6-21-18		1410	
RELINQUISHED BY		Diane F. Shen		6-21-18		1830	
RECEIVED BY		Diane F. Shen		6/22/18		0930	
RELINQUISHED BY							
RECEIVED BY							

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **22-Jun-18 09:30**

Work Order: **18061493**

Received by: **DS**

Checklist completed by Diane Shaw 22-Jun-18
eSignature Date

Reviewed by: Tom Bramish 22-Jun-18
eSignature Date

Matrices: **Liquid**

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample(s) received on ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>4.0/4.0 c</u> <u>SR2</u>		
Cooler(s)/Kit(s):	<u></u>		
Date/Time sample(s) sent to storage:	<u>6/22/2018 1:04:39 PM</u>		
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
pH adjusted by:	<u>-</u>		

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: