



21-Aug-2018

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

Re: **CPX Holdings - TPR 25A Landfarm**

Work Order: **1808773**

Dear Kris,

ALS Environmental received 4 samples on 11-Aug-2018 10:30 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 30.

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 

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions, Inc
Project: CPX Holdings - TPR 25A Landfarm
Work Order: 1808773

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>
1808773-01	Cells1/9/10/12 - Stockpile Comp. #1	Soil		8/9/2018 13:00	8/11/2018 10:30	<input type="checkbox"/>
1808773-02	Cells1/9/10/12 - Stockpile Comp. #2	Soil		8/9/2018 13:15	8/11/2018 10:30	<input type="checkbox"/>
1808773-03	Cells1/9/10/12 - Stockpile Comp. #3	Soil		8/9/2018 13:30	8/11/2018 10:30	<input type="checkbox"/>
1808773-04	Cells1/9/10/12 - Stockpile Comp. #4	Soil		8/9/2018 13:40	8/11/2018 10:30	<input type="checkbox"/>

Client: HRL Compliance Solutions, Inc
Project: CPX Holdings - TPR 25A Landfarm
Work Order: 1808773

Case Narrative

Batch 122893, Method CR6_7196_S, Sample 1808773-01A MS/MSD: The MS/MSD recovery was below the lower control limit for Hexavalent Chromium. The corresponding result in the parent sample may be biased low.

Batch 122915, Method ICP_6010_S, Sample 1808773-01A MS/MSD: The MS/MSD recoveries were outside of the control limits for Barium, Chromium, and Zinc; however, the results in the parent sample are greater than 4x the spike amount. No qualification is required.

Batch 122915, Method ICP_6010_S, Sample 1808773-01A MS: The matrix spike recovery was outside of the control limit for Nickel. However, the matrix spike duplicate recovery and the RPD between the MS and MSD were in control. No qualification is required.

Batch 122915, Method ICP_6010_S, Sample 1808773-01A MSD: The MSD recovery was outside of the control limit for Copper. However, the MS recovery and the RPD between the MS and MSD was in control. No qualification is required.

<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
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
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>
% of sample	Percent of Sample
mg/Kg	Milligrams per Kilogram
mg/Kg-dry	Milligrams per Kilogram Dry Weight
mg/L	Milligrams per Liter
mmhos/cm @25°C	Millimhos-Centimeter at 25 Degrees Celcius
none	
s.u.	Standard Units

ALS Group, USA

Date: 21-Aug-18

Client: HRL Compliance Solutions, Inc
Project: CPX Holdings - TPR 25A Landfarm
Sample ID: Cells1/9/10/12 - Stockpile Comp. #1
Collection Date: 8/9/2018 01:00 PM

Work Order: 1808773
Lab ID: 1808773-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015C		Prep: SW3546 / 8/14/18		Analyst: RP
DRO (C10-C28)	67		2.9	5.1	mg/Kg-dry	1	8/15/2018 04:07
Surr: 4-Terphenyl-d14	52.1			34-130	%REC	1	8/15/2018 04:07
GASOLINE RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW5035 / 8/13/18		Analyst: RP
GRO (C6-C10)	U		2.2	5.2	mg/Kg	1	8/14/2018 12:06
Surr: Toluene-d8	118			71-123	%REC	1	8/14/2018 12:06
MERCURY BY CVAA							
			Method: SW7471B		Prep: SW7471 / 8/20/18		Analyst: RSB
Mercury	0.060		0.0017	0.017	mg/Kg-dry	1	8/20/2018 19:44
METALS ANALYSIS BY ICP							
			Method: SW846 6010C		Prep: SW3050B / 8/16/18		Analyst: ABL
Arsenic	12		0.11	0.42	mg/Kg-dry	1	8/16/2018 17:14
Barium	3,200		0.17	0.42	mg/Kg-dry	1	8/16/2018 17:14
Cadmium	0.21	J	0.040	0.84	mg/Kg-dry	1	8/16/2018 17:14
Chromium	37		0.023	0.42	mg/Kg-dry	1	8/16/2018 17:14
Copper	29		0.18	0.84	mg/Kg-dry	1	8/16/2018 17:14
Lead	9.5		0.089	0.42	mg/Kg-dry	1	8/16/2018 17:14
Nickel	24		0.17	0.42	mg/Kg-dry	1	8/16/2018 17:14
Selenium	0.61	J	0.23	0.84	mg/Kg-dry	1	8/16/2018 17:14
Silver	U		0.052	0.42	mg/Kg-dry	1	8/16/2018 17:14
Zinc	57		0.067	0.84	mg/Kg-dry	1	8/16/2018 17:14
SOLUBLE CATIONS FOR SAR							
			Method: SW6020A		Prep: USDA Method 20B / 8/15/18		Analyst: RH
Calcium	96		0.86	5.0	mg/L	10	8/15/2018 14:18
Magnesium	8.7		0.068	2.0	mg/L	10	8/15/2018 14:18
Sodium	70		0.34	2.0	mg/L	10	8/15/2018 14:18
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 8/15/18		Analyst: RH
Sodium Adsorption Ratio	1.8		0.010	0.010	none	1	8/15/2018
SEMI-VOLATILE ORGANIC COMPOUNDS							
			Method: SW846 8270D		Prep: SW3546 / 8/14/18		Analyst: RM
Acenaphthene	U		0.020	0.042	mg/Kg-dry	1	8/16/2018 18:41
Anthracene	U		0.011	0.042	mg/Kg-dry	1	8/16/2018 18:41
Benzo(a)anthracene	0.041	J	0.011	0.042	mg/Kg-dry	1	8/16/2018 18:41
Benzo(a)pyrene	U		0.017	0.042	mg/Kg-dry	1	8/16/2018 18:41
Benzo(b)fluoranthene	0.10		0.013	0.042	mg/Kg-dry	1	8/16/2018 18:41
Benzo(k)fluoranthene	0.036	J	0.015	0.042	mg/Kg-dry	1	8/16/2018 18:41
Chrysene	0.090		0.015	0.042	mg/Kg-dry	1	8/16/2018 18:41
Dibenzo(a,h)anthracene	U		0.027	0.042	mg/Kg-dry	1	8/16/2018 18:41
Fluoranthene	0.062		0.025	0.042	mg/Kg-dry	1	8/16/2018 18:41

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

ALS Group, USA

Date: 21-Aug-18

Client: HRL Compliance Solutions, Inc
Project: CPX Holdings - TPR 25A Landfarm
Sample ID: Cells1/9/10/12 - Stockpile Comp. #1
Collection Date: 8/9/2018 01:00 PM

Work Order: 1808773
Lab ID: 1808773-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	U		0.012	0.042	mg/Kg-dry	1	8/16/2018 18:41
Indeno(1,2,3-cd)pyrene	U		0.033	0.042	mg/Kg-dry	1	8/16/2018 18:41
Naphthalene	U		0.015	0.042	mg/Kg-dry	1	8/16/2018 18:41
Pyrene	U		0.019	0.042	mg/Kg-dry	1	8/16/2018 18:41
Surr: 2-Fluorobiphenyl	73.9			20-140	%REC	1	8/16/2018 18:41
Surr: 4-Terphenyl-d14	63.6			22-172	%REC	1	8/16/2018 18:41
Surr: Nitrobenzene-d5	92.5			28-140	%REC	1	8/16/2018 18:41
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035 / 8/13/18		Analyst: WH
Benzene	U		0.0054	0.031	mg/Kg	1	8/13/2018 19:26
Ethylbenzene	0.0079	J	0.0066	0.031	mg/Kg	1	8/13/2018 19:26
m,p-Xylene	0.040	J	0.015	0.063	mg/Kg	1	8/13/2018 19:26
o-Xylene	U		0.012	0.031	mg/Kg	1	8/13/2018 19:26
Toluene	0.031		0.0086	0.031	mg/Kg	1	8/13/2018 19:26
Xylenes, Total	0.040	J	0.027	0.094	mg/Kg	1	8/13/2018 19:26
Surr: 1,2-Dichloroethane-d4	100			70-130	%REC	1	8/13/2018 19:26
Surr: 4-Bromofluorobenzene	99.7			70-130	%REC	1	8/13/2018 19:26
Surr: Dibromofluoromethane	95.8			70-130	%REC	1	8/13/2018 19:26
Surr: Toluene-d8	102			70-130	%REC	1	8/13/2018 19:26
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 8/15/18		Analyst: JB
Electrical Conductivity @ Saturation	0.96		0.011	0.10	mmhos/cm @25°	20	8/15/2018 15:35
CHROMIUM, TRIVALENT			Method: CALCULATION				Analyst: JB
Chromium, Trivalent	37		0.32	1.0	mg/Kg-dry	1	8/21/2018 13:15
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 8/14/18		Analyst: MB
Chromium, Hexavalent	U		0.31	1.0	mg/Kg-dry	1	8/15/2018 17:00
MOISTURE			Method: SW3550C				Analyst: RZM
Moisture	2.4		0.025	0.050	% of sample	1	8/17/2018 16:24
PH			Method: SW9045D		Prep: EXTRACT / 8/16/18		Analyst: RZM
pH	8.00		0.10	0.100	s.u.	1	8/17/2018 15:00

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

ALS Group, USA

Date: 21-Aug-18

Client: HRL Compliance Solutions, Inc
Project: CPX Holdings - TPR 25A Landfarm
Sample ID: Cells1/9/10/12 - Stockpile Comp. #2
Collection Date: 8/9/2018 01:15 PM

Work Order: 1808773
Lab ID: 1808773-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015C		Prep: SW3546 / 8/14/18		Analyst: RP
DRO (C10-C28)	57		2.9	5.1	mg/Kg-dry	1	8/15/2018 03:38
Surr: 4-Terphenyl-d14	50.6			34-130	%REC	1	8/15/2018 03:38
GASOLINE RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW5035 / 8/13/18		Analyst: RP
GRO (C6-C10)	U		2.3	5.4	mg/Kg	1	8/14/2018 12:32
Surr: Toluene-d8	107			71-123	%REC	1	8/14/2018 12:32
MERCURY BY CVAA							
			Method: SW7471B		Prep: SW7471 / 8/20/18		Analyst: RSB
Mercury	0.054		0.0018	0.018	mg/Kg-dry	1	8/20/2018 19:53
METALS ANALYSIS BY ICP							
			Method: SW846 6010C		Prep: SW3050B / 8/16/18		Analyst: ABL
Arsenic	12		0.095	0.37	mg/Kg-dry	1	8/16/2018 17:33
Barium	5,500		1.5	3.7	mg/Kg-dry	10	8/17/2018 13:10
Cadmium	0.22	J	0.035	0.73	mg/Kg-dry	1	8/16/2018 17:33
Chromium	25		0.021	0.37	mg/Kg-dry	1	8/16/2018 17:33
Copper	31		0.16	0.73	mg/Kg-dry	1	8/16/2018 17:33
Lead	9.8		0.078	0.37	mg/Kg-dry	1	8/16/2018 17:33
Nickel	19		0.15	0.37	mg/Kg-dry	1	8/16/2018 17:33
Selenium	0.75		0.21	0.73	mg/Kg-dry	1	8/16/2018 17:33
Silver	U		0.046	0.37	mg/Kg-dry	1	8/16/2018 17:33
Zinc	53		0.059	0.73	mg/Kg-dry	1	8/16/2018 17:33
SOLUBLE CATIONS FOR SAR							
			Method: SW6020A		Prep: USDA Method 20B / 8/15/18		Analyst: RH
Calcium	150		0.86	5.0	mg/L	10	8/15/2018 14:19
Magnesium	11		0.068	2.0	mg/L	10	8/15/2018 14:19
Sodium	98		0.34	2.0	mg/L	10	8/15/2018 14:19
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 8/15/18		Analyst: RH
Sodium Adsorption Ratio	2.1		0.010	0.010	none	1	8/15/2018
SEMI-VOLATILE ORGANIC COMPOUNDS							
			Method: SW846 8270D		Prep: SW3546 / 8/14/18		Analyst: RM
Acenaphthene	U		0.020	0.042	mg/Kg-dry	1	8/16/2018 18:56
Anthracene	U		0.011	0.042	mg/Kg-dry	1	8/16/2018 18:56
Benzo(a)anthracene	0.048		0.011	0.042	mg/Kg-dry	1	8/16/2018 18:56
Benzo(a)pyrene	U		0.017	0.042	mg/Kg-dry	1	8/16/2018 18:56
Benzo(b)fluoranthene	0.12		0.013	0.042	mg/Kg-dry	1	8/16/2018 18:56
Benzo(k)fluoranthene	0.047		0.015	0.042	mg/Kg-dry	1	8/16/2018 18:56
Chrysene	0.091		0.015	0.042	mg/Kg-dry	1	8/16/2018 18:56
Dibenzo(a,h)anthracene	U		0.027	0.042	mg/Kg-dry	1	8/16/2018 18:56
Fluoranthene	0.053		0.025	0.042	mg/Kg-dry	1	8/16/2018 18:56

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

ALS Group, USA

Date: 21-Aug-18

Client: HRL Compliance Solutions, Inc
Project: CPX Holdings - TPR 25A Landfarm
Sample ID: Cells1/9/10/12 - Stockpile Comp. #2
Collection Date: 8/9/2018 01:15 PM

Work Order: 1808773
Lab ID: 1808773-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	U		0.012	0.042	mg/Kg-dry	1	8/16/2018 18:56
Indeno(1,2,3-cd)pyrene	U		0.033	0.042	mg/Kg-dry	1	8/16/2018 18:56
Naphthalene	U		0.015	0.042	mg/Kg-dry	1	8/16/2018 18:56
Pyrene	U		0.019	0.042	mg/Kg-dry	1	8/16/2018 18:56
Surr: 2-Fluorobiphenyl	52.9			20-140	%REC	1	8/16/2018 18:56
Surr: 4-Terphenyl-d14	46.3			22-172	%REC	1	8/16/2018 18:56
Surr: Nitrobenzene-d5	61.8			28-140	%REC	1	8/16/2018 18:56
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035 / 8/13/18		Analyst: WH
Benzene	U		0.0056	0.033	mg/Kg	1	8/13/2018 19:42
Ethylbenzene	U		0.0069	0.033	mg/Kg	1	8/13/2018 19:42
m,p-Xylene	U		0.015	0.065	mg/Kg	1	8/13/2018 19:42
o-Xylene	U		0.013	0.033	mg/Kg	1	8/13/2018 19:42
Toluene	U		0.0089	0.033	mg/Kg	1	8/13/2018 19:42
Xylenes, Total	U		0.028	0.098	mg/Kg	1	8/13/2018 19:42
Surr: 1,2-Dichloroethane-d4	100			70-130	%REC	1	8/13/2018 19:42
Surr: 4-Bromofluorobenzene	98.2			70-130	%REC	1	8/13/2018 19:42
Surr: Dibromofluoromethane	90.8			70-130	%REC	1	8/13/2018 19:42
Surr: Toluene-d8	98.6			70-130	%REC	1	8/13/2018 19:42
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 8/15/18		Analyst: JB
Electrical Conductivity @ Saturation	1.3		0.011	0.10	mmhos/cm @25°	20	8/15/2018 15:35
CHROMIUM, TRIVALENT			Method: CALCULATION				Analyst: JB
Chromium, Trivalent	24		0.32	1.0	mg/Kg-dry	1	8/21/2018 13:15
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 8/14/18		Analyst: MB
Chromium, Hexavalent	0.36	J	0.32	1.0	mg/Kg-dry	1	8/15/2018 17:00
MOISTURE			Method: SW3550C				Analyst: RZM
Moisture	4.1		0.025	0.050	% of sample	1	8/17/2018 16:24
PH			Method: SW9045D		Prep: EXTRACT / 8/16/18		Analyst: RZM
pH	8.10		0.10	0.100	s.u.	1	8/17/2018 15:00

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

ALS Group, USA

Date: 21-Aug-18

Client: HRL Compliance Solutions, Inc
Project: CPX Holdings - TPR 25A Landfarm
Sample ID: Cells1/9/10/12 - Stockpile Comp. #3
Collection Date: 8/9/2018 01:30 PM

Work Order: 1808773
Lab ID: 1808773-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015C		Prep: SW3546 / 8/14/18		Analyst: RP
DRO (C10-C28)	49		3.0	5.2	mg/Kg-dry	1	8/15/2018 04:36
Surr: 4-Terphenyl-d14	58.6			34-130	%REC	1	8/15/2018 04:36
GASOLINE RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW5035 / 8/13/18		Analyst: RP
GRO (C6-C10)	U		2.3	5.4	mg/Kg	1	8/14/2018 12:59
Surr: Toluene-d8	118			71-123	%REC	1	8/14/2018 12:59
MERCURY BY CVAA							
			Method: SW7471B		Prep: SW7471 / 8/20/18		Analyst: RSB
Mercury	0.037		0.0016	0.016	mg/Kg-dry	1	8/20/2018 19:56
METALS ANALYSIS BY ICP							
			Method: SW846 6010C		Prep: SW3050B / 8/16/18		Analyst: ABL
Arsenic	10		0.11	0.42	mg/Kg-dry	1	8/16/2018 17:40
Barium	5,100		1.7	4.2	mg/Kg-dry	10	8/17/2018 13:16
Cadmium	0.13	J	0.040	0.84	mg/Kg-dry	1	8/16/2018 17:40
Chromium	30		0.023	0.42	mg/Kg-dry	1	8/16/2018 17:40
Copper	25		0.18	0.84	mg/Kg-dry	1	8/16/2018 17:40
Lead	9.0		0.089	0.42	mg/Kg-dry	1	8/16/2018 17:40
Nickel	21		0.17	0.42	mg/Kg-dry	1	8/16/2018 17:40
Selenium	0.64	J	0.23	0.84	mg/Kg-dry	1	8/16/2018 17:40
Silver	U		0.052	0.42	mg/Kg-dry	1	8/16/2018 17:40
Zinc	52		0.067	0.84	mg/Kg-dry	1	8/16/2018 17:40
SOLUBLE CATIONS FOR SAR							
			Method: SW6020A		Prep: USDA Method 20B / 8/15/18		Analyst: RH
Calcium	88		0.86	5.0	mg/L	10	8/15/2018 14:21
Magnesium	6.9		0.068	2.0	mg/L	10	8/15/2018 14:21
Sodium	78		0.34	2.0	mg/L	10	8/15/2018 14:21
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 8/15/18		Analyst: RH
Sodium Adsorption Ratio	2.2		0.010	0.010	none	1	8/15/2018
SEMI-VOLATILE ORGANIC COMPOUNDS							
			Method: SW846 8270D		Prep: SW3546 / 8/14/18		Analyst: RM
Acenaphthene	U		0.021	0.043	mg/Kg-dry	1	8/16/2018 19:11
Anthracene	U		0.012	0.043	mg/Kg-dry	1	8/16/2018 19:11
Benzo(a)anthracene	0.036	J	0.011	0.043	mg/Kg-dry	1	8/16/2018 19:11
Benzo(a)pyrene	U		0.018	0.043	mg/Kg-dry	1	8/16/2018 19:11
Benzo(b)fluoranthene	0.097		0.013	0.043	mg/Kg-dry	1	8/16/2018 19:11
Benzo(k)fluoranthene	U		0.015	0.043	mg/Kg-dry	1	8/16/2018 19:11
Chrysene	0.065		0.015	0.043	mg/Kg-dry	1	8/16/2018 19:11
Dibenzo(a,h)anthracene	U		0.027	0.043	mg/Kg-dry	1	8/16/2018 19:11
Fluoranthene	0.048		0.026	0.043	mg/Kg-dry	1	8/16/2018 19:11

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

ALS Group, USA

Date: 21-Aug-18

Client: HRL Compliance Solutions, Inc
Project: CPX Holdings - TPR 25A Landfarm
Sample ID: Cells1/9/10/12 - Stockpile Comp. #3
Collection Date: 8/9/2018 01:30 PM

Work Order: 1808773
Lab ID: 1808773-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	U		0.012	0.043	mg/Kg-dry	1	8/16/2018 19:11
Indeno(1,2,3-cd)pyrene	U		0.033	0.043	mg/Kg-dry	1	8/16/2018 19:11
Naphthalene	U		0.016	0.043	mg/Kg-dry	1	8/16/2018 19:11
Pyrene	U		0.019	0.043	mg/Kg-dry	1	8/16/2018 19:11
Surr: 2-Fluorobiphenyl	56.1			20-140	%REC	1	8/16/2018 19:11
Surr: 4-Terphenyl-d14	48.5			22-172	%REC	1	8/16/2018 19:11
Surr: Nitrobenzene-d5	66.6			28-140	%REC	1	8/16/2018 19:11
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035 / 8/13/18		Analyst: WH
Benzene	U		0.0055	0.032	mg/Kg	1	8/13/2018 19:57
Ethylbenzene	U		0.0068	0.032	mg/Kg	1	8/13/2018 19:57
m,p-Xylene	U		0.015	0.065	mg/Kg	1	8/13/2018 19:57
o-Xylene	U		0.012	0.032	mg/Kg	1	8/13/2018 19:57
Toluene	U		0.0088	0.032	mg/Kg	1	8/13/2018 19:57
Xylenes, Total	U		0.028	0.097	mg/Kg	1	8/13/2018 19:57
Surr: 1,2-Dichloroethane-d4	100			70-130	%REC	1	8/13/2018 19:57
Surr: 4-Bromofluorobenzene	98.8			70-130	%REC	1	8/13/2018 19:57
Surr: Dibromofluoromethane	93.6			70-130	%REC	1	8/13/2018 19:57
Surr: Toluene-d8	98.5			70-130	%REC	1	8/13/2018 19:57
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 8/15/18		Analyst: JB
Electrical Conductivity @ Saturation	0.93		0.011	0.10	mmhos/cm @25°	20	8/15/2018 15:35
CHROMIUM, TRIVALENT			Method: CALCULATION				Analyst: JB
Chromium, Trivalent	30		0.32	1.0	mg/Kg-dry	1	8/21/2018 13:15
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 8/14/18		Analyst: MB
Chromium, Hexavalent	U		0.32	1.0	mg/Kg-dry	1	8/15/2018 17:00
MOISTURE			Method: SW3550C				Analyst: RZM
Moisture	3.7		0.025	0.050	% of sample	1	8/17/2018 16:24
PH			Method: SW9045D		Prep: EXTRACT / 8/16/18		Analyst: RZM
pH	8.05		0.10	0.100	s.u.	1	8/17/2018 15:00

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

ALS Group, USA

Date: 21-Aug-18

Client: HRL Compliance Solutions, Inc
Project: CPX Holdings - TPR 25A Landfarm
Sample ID: Cells1/9/10/12 - Stockpile Comp. #4
Collection Date: 8/9/2018 01:40 PM

Work Order: 1808773
Lab ID: 1808773-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015C			Prep: SW3546 / 8/14/18	Analyst: RP
DRO (C10-C28)	34		3.0	5.2	mg/Kg-dry	1	8/15/2018 05:05
Surr: 4-Terphenyl-d14	56.1			34-130	%REC	1	8/15/2018 05:05
GASOLINE RANGE ORGANICS BY GC-FID							
			Method: SW8015D			Prep: SW5035 / 8/13/18	Analyst: RP
GRO (C6-C10)	U		2.3	5.4	mg/Kg	1	8/14/2018 13:25
Surr: Toluene-d8	119			71-123	%REC	1	8/14/2018 13:25
MERCURY BY CVAA							
			Method: SW7471B			Prep: SW7471 / 8/20/18	Analyst: RSB
Mercury	0.059		0.0019	0.019	mg/Kg-dry	1	8/20/2018 19:58
METALS ANALYSIS BY ICP							
			Method: SW846 6010C			Prep: SW3050B / 8/16/18	Analyst: ABL
Arsenic	12		0.11	0.41	mg/Kg-dry	1	8/16/2018 18:05
Barium	3,900		1.7	4.1	mg/Kg-dry	10	8/17/2018 13:22
Cadmium	0.23	J	0.040	0.83	mg/Kg-dry	1	8/16/2018 18:05
Chromium	33		0.023	0.41	mg/Kg-dry	1	8/16/2018 18:05
Copper	31		0.18	0.83	mg/Kg-dry	1	8/16/2018 18:05
Lead	12		0.087	0.41	mg/Kg-dry	1	8/16/2018 18:05
Nickel	28		0.17	0.41	mg/Kg-dry	1	8/16/2018 18:05
Selenium	0.66	J	0.23	0.83	mg/Kg-dry	1	8/16/2018 18:05
Silver	U		0.051	0.41	mg/Kg-dry	1	8/16/2018 18:05
Zinc	57		0.066	0.83	mg/Kg-dry	1	8/16/2018 18:05
SOLUBLE CATIONS FOR SAR							
			Method: SW6020A			Prep: USDA Method 20B / 8/15/18	Analyst: RH
Calcium	180		0.86	5.0	mg/L	10	8/15/2018 14:22
Magnesium	15		0.068	2.0	mg/L	10	8/15/2018 14:22
Sodium	93		0.34	2.0	mg/L	10	8/15/2018 14:22
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 2			Prep: USDA Method 20B / 8/15/18	Analyst: RH
Sodium Adsorption Ratio	1.8		0.010	0.010	none	1	8/15/2018
SEMI-VOLATILE ORGANIC COMPOUNDS							
			Method: SW846 8270D			Prep: SW3546 / 8/14/18	Analyst: RM
Acenaphthene	U		0.021	0.043	mg/Kg-dry	1	8/16/2018 19:26
Anthracene	U		0.012	0.043	mg/Kg-dry	1	8/16/2018 19:26
Benzo(a)anthracene	U		0.011	0.043	mg/Kg-dry	1	8/16/2018 19:26
Benzo(a)pyrene	U		0.018	0.043	mg/Kg-dry	1	8/16/2018 19:26
Benzo(b)fluoranthene	0.066		0.013	0.043	mg/Kg-dry	1	8/16/2018 19:26
Benzo(k)fluoranthene	U		0.015	0.043	mg/Kg-dry	1	8/16/2018 19:26
Chrysene	U		0.015	0.043	mg/Kg-dry	1	8/16/2018 19:26
Dibenzo(a,h)anthracene	U		0.027	0.043	mg/Kg-dry	1	8/16/2018 19:26
Fluoranthene	0.045		0.026	0.043	mg/Kg-dry	1	8/16/2018 19:26

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

ALS Group, USA

Date: 21-Aug-18

Client: HRL Compliance Solutions, Inc
Project: CPX Holdings - TPR 25A Landfarm
Sample ID: Cells1/9/10/12 - Stockpile Comp. #4
Collection Date: 8/9/2018 01:40 PM

Work Order: 1808773
Lab ID: 1808773-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	U		0.012	0.043	mg/Kg-dry	1	8/16/2018 19:26
Indeno(1,2,3-cd)pyrene	U		0.033	0.043	mg/Kg-dry	1	8/16/2018 19:26
Naphthalene	U		0.016	0.043	mg/Kg-dry	1	8/16/2018 19:26
Pyrene	U		0.019	0.043	mg/Kg-dry	1	8/16/2018 19:26
Surr: 2-Fluorobiphenyl	43.8			20-140	%REC	1	8/16/2018 19:26
Surr: 4-Terphenyl-d14	37.8			22-172	%REC	1	8/16/2018 19:26
Surr: Nitrobenzene-d5	54.6			28-140	%REC	1	8/16/2018 19:26
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035 / 8/13/18		Analyst: WH
Benzene	U		0.0056	0.033	mg/Kg	1	8/13/2018 20:13
Ethylbenzene	U		0.0069	0.033	mg/Kg	1	8/13/2018 20:13
m,p-Xylene	U		0.016	0.065	mg/Kg	1	8/13/2018 20:13
o-Xylene	U		0.013	0.033	mg/Kg	1	8/13/2018 20:13
Toluene	U		0.0089	0.033	mg/Kg	1	8/13/2018 20:13
Xylenes, Total	U		0.028	0.098	mg/Kg	1	8/13/2018 20:13
Surr: 1,2-Dichloroethane-d4	97.8			70-130	%REC	1	8/13/2018 20:13
Surr: 4-Bromofluorobenzene	99.1			70-130	%REC	1	8/13/2018 20:13
Surr: Dibromofluoromethane	91.8			70-130	%REC	1	8/13/2018 20:13
Surr: Toluene-d8	98.4			70-130	%REC	1	8/13/2018 20:13
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 8/15/18		Analyst: JB
Electrical Conductivity @ Saturation	1.5		0.011	0.10	mmhos/cm @25°	20	8/15/2018 15:35
CHROMIUM, TRIVALENT			Method: CALCULATION				Analyst: JB
Chromium, Trivalent	33		0.32	1.0	mg/Kg-dry	1	8/21/2018 13:15
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 8/14/18		Analyst: MB
Chromium, Hexavalent	U		0.32	1.0	mg/Kg-dry	1	8/15/2018 17:00
MOISTURE			Method: SW3550C				Analyst: RZM
Moisture	4.2		0.025	0.050	% of sample	1	8/17/2018 16:24
PH			Method: SW9045D		Prep: EXTRACT / 8/16/18		Analyst: RZM
pH	7.61		0.10	0.100	s.u.	1	8/17/2018 15:00

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

Client: HRL Compliance Solutions, Inc
Work Order: 1808773
Project: CPX Holdings - TPR 25A Landfarm

QC BATCH REPORT

Batch ID: **122799** Instrument ID **GC8** Method: **SW8015C**

MBLK		Sample ID: DBLKS1-122799-122799				Units: mg/Kg		Analysis Date: 8/15/2018 01:41 AM		
Client ID:		Run ID: GC8_180814A				SeqNo: 5203031		Prep Date: 8/14/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	U	5.0								
<i>Surr: 4-Terphenyl-d14</i>	1.467	0	3.33	0	44	34-130	0			

LCS		Sample ID: DLCSS1-122799-122799				Units: mg/Kg		Analysis Date: 8/15/2018 02:10 AM		
Client ID:		Run ID: GC8_180814A				SeqNo: 5203032		Prep Date: 8/14/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	397.3	5.0	333	0	119	65-122	0			
<i>Surr: 4-Terphenyl-d14</i>	1.933	0	3.33	0	58.1	34-130	0			

MS		Sample ID: 1808773-02A MS				Units: mg/Kg		Analysis Date: 8/15/2018 02:39 AM		
Client ID: Cells1/9/10/12 - Stockpile Comp. #2		Run ID: GC8_180814A				SeqNo: 5203033		Prep Date: 8/14/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	334.7	5.0	332.6	54.75	84.2	65-122	0			
<i>Surr: 4-Terphenyl-d14</i>	2.131	0	3.326	0	64.1	34-130	0			

MSD		Sample ID: 1808773-02A MSD				Units: mg/Kg		Analysis Date: 8/15/2018 03:09 AM		
Client ID: Cells1/9/10/12 - Stockpile Comp. #2		Run ID: GC8_180814A				SeqNo: 5203034		Prep Date: 8/14/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	324.8	4.9	323.4	54.75	83.5	65-122	334.7	3	30	
<i>Surr: 4-Terphenyl-d14</i>	1.797	0	3.234	0	55.6	34-130	2.131	17	30	

The following samples were analyzed in this batch:

1808773-01A	1808773-02A	1808773-03A
1808773-04A		

Client: HRL Compliance Solutions, Inc
Work Order: 1808773
Project: CPX Holdings - TPR 25A Landfarm

QC BATCH REPORT

Batch ID: **122729** Instrument ID **GC10** Method: **SW8015D**

MBLK		Sample ID: MBLK-122729-122729				Units: µg/Kg-dry		Analysis Date: 8/13/2018 07:04 PM		
Client ID:		Run ID: GC10_180813A				SeqNo: 5202019		Prep Date: 8/13/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	U	5,000								
Surr: Toluene-d8	5740	0	5000	0	115	71-123	0			

LCS		Sample ID: LCS-122729-122729				Units: µg/Kg-dry		Analysis Date: 8/13/2018 06:12 PM		
Client ID:		Run ID: GC10_180813A				SeqNo: 5202018		Prep Date: 8/13/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	446100	5,000	500000	0	89.2	71-123	0			
Surr: Toluene-d8	5678	0	5000	0	114	71-123	0			

MS		Sample ID: 1808733-01A MS				Units: µg/Kg-dry		Analysis Date: 8/14/2018 05:48 PM		
Client ID:		Run ID: GC10_180813A				SeqNo: 5202035		Prep Date: 8/13/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	541000	5,100	505600	0	107	71-123	0			
Surr: Toluene-d8	5003	0	5056	0	99	71-123	0			

MSD		Sample ID: 1808733-01A MSD				Units: µg/Kg-dry		Analysis Date: 8/14/2018 06:15 PM		
Client ID:		Run ID: GC10_180813A				SeqNo: 5202036		Prep Date: 8/13/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	484300	5,100	505600	0	95.8	71-123	541000	11.1	30	
Surr: Toluene-d8	5296	0	5056	0	105	71-123	5003	5.69	30	

The following samples were analyzed in this batch:

1808773-01A	1808773-02A	1808773-03A
1808773-04A		

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

Client: HRL Compliance Solutions, Inc
Work Order: 1808773
Project: CPX Holdings - TPR 25A Landfarm

QC BATCH REPORT

Batch ID: **123056** Instrument ID **HG1** Method: **SW7471B**

MBLK		Sample ID: MBLK-123056-123056				Units: mg/Kg		Analysis Date: 8/20/2018 04:07 PM		
Client ID:		Run ID: HG1_180820A				SeqNo: 5210786		Prep Date: 8/20/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury U 0.020

LCS		Sample ID: LCS-123056-123056				Units: mg/Kg		Analysis Date: 8/20/2018 04:10 PM		
Client ID:		Run ID: HG1_180820A				SeqNo: 5210788		Prep Date: 8/20/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1642 0.020 0.1665 0 98.6 80-120 0

MS		Sample ID: 18081142-02CMS				Units: mg/Kg		Analysis Date: 8/20/2018 04:19 PM		
Client ID:		Run ID: HG1_180820A				SeqNo: 5210795		Prep Date: 8/20/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1563 0.017 0.1413 0.01293 101 75-125 0

MSD		Sample ID: 18081142-02CMSD				Units: mg/Kg		Analysis Date: 8/20/2018 04:29 PM		
Client ID:		Run ID: HG1_180820A				SeqNo: 5210836		Prep Date: 8/20/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1516 0.017 0.1415 0.01293 98 75-125 0.1563 3.08 35

The following samples were analyzed in this batch:

1808773-01A	1808773-02A	1808773-03A
1808773-04A		

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

Client: HRL Compliance Solutions, Inc
Work Order: 1808773
Project: CPX Holdings - TPR 25A Landfarm

QC BATCH REPORT

Batch ID: **122915** Instrument ID **ICP2** Method: **SW846 6010C**

Sample ID: MBLK-122915-122915				Units: mg/Kg			Analysis Date: 8/16/2018 04:06 PM			
Client ID:		Run ID: ICP2_180816A			SeqNo: 5206956		Prep Date: 8/16/2018		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.25								
Barium	U	0.25								
Cadmium	U	0.50								
Chromium	0.01905	0.25								J
Copper	U	0.50								
Lead	U	0.25								
Nickel	U	0.25								
Selenium	U	0.50								
Silver	U	0.25								
Zinc	0.3795	0.50								J

LCS				Sample ID: LCS-122915-122915				Units: mg/Kg		Analysis Date: 8/16/2018 04:12 PM		
Client ID:			Run ID: ICP2_180816A			SeqNo: 5206957		Prep Date: 8/16/2018		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
Arsenic	4.905	0.25	5	0	98.1	80-120	0					
Barium	5.385	0.25	5	0	108	80-120	0					
Cadmium	5.108	0.50	5	0	102	80-120	0					
Chromium	5.375	0.25	5	0	108	80-120	0					
Copper	5.397	0.50	5	0	108	80-120	0					
Lead	5.004	0.25	5	0	100	80-120	0					
Nickel	5.242	0.25	5	0	105	80-120	0					
Selenium	4.825	0.50	5	0	96.5	80-120	0					
Silver	5.006	0.25	5	0	100	80-120	0					
Zinc	5.326	0.50	5	0	107	80-120	0					

MS				Sample ID: 1808773-01AMS			Units: mg/Kg		Analysis Date: 8/16/2018 05:21 PM		
Client ID: Cells1/9/10/12 - Stockpile Comp. #1			Run ID: ICP2_180816A			SeqNo: 5206968		Prep Date: 8/16/2018		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	18.04	0.41	8.13	11.47	80.8	75-125	0				
Barium	4163	0.41	8.13	3138	12600	75-125	0			SEO	
Cadmium	7.431	0.81	8.13	0.2088	88.8	75-125	0				
Chromium	35.32	0.41	8.13	36.23	-11.2	75-125	0			SO	
Copper	36.58	0.81	8.13	28.1	104	75-125	0				
Lead	15.45	0.41	8.13	9.291	75.7	75-125	0				
Nickel	29.13	0.41	8.13	23.9	64.4	75-125	0			S	
Selenium	7.382	0.81	8.13	0.5905	83.5	75-125	0				
Silver	7.943	0.41	8.13	-0.1419	99.4	75-125	0				
Zinc	61.14	0.81	8.13	55.16	73.5	75-125	0			SO	

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

Client: HRL Compliance Solutions, Inc
Work Order: 1808773
Project: CPX Holdings - TPR 25A Landfarm

QC BATCH REPORT

Batch ID: **122915** Instrument ID **ICP2** Method: **SW846 6010C**

MSD				Sample ID: 1808773-01AMSD			Units: mg/Kg		Analysis Date: 8/16/2018 05:27 PM	
Client ID: Cells1/9/10/12 - Stockpile Comp. #1				Run ID: ICP2_180816A			SeqNo: 5206969		Prep Date: 8/16/2018	
									DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	20.53	0.40	8.091	11.47	112	75-125	18.04	12.9	20	
Barium	4361	0.40	8.091	3138	15100	75-125	4163	4.63	20	SEO
Cadmium	7.508	0.81	8.091	0.2088	90.2	75-125	7.431	1.03	20	
Chromium	44.16	0.40	8.091	36.23	97.9	75-125	35.32	22.2	20	RO
Copper	39.04	0.81	8.091	28.1	135	75-125	36.58	6.51	20	S
Lead	15.82	0.40	8.091	9.291	80.7	75-125	15.45	2.37	20	
Nickel	31.2	0.40	8.091	23.9	90.3	75-125	29.13	6.85	20	
Selenium	7.492	0.81	8.091	0.5905	85.3	75-125	7.382	1.48	20	
Silver	8.074	0.40	8.091	-0.1419	102	75-125	7.943	1.64	20	
Zinc	65.32	0.81	8.091	55.16	126	75-125	61.14	6.62	20	SO

The following samples were analyzed in this batch:

1808773-01A	1808773-02A	1808773-03A
1808773-04A		

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

Client: HRL Compliance Solutions, Inc
Work Order: 1808773
Project: CPX Holdings - TPR 25A Landfarm

QC BATCH REPORT

Batch ID: **122854** Instrument ID **ICPMS3** Method: **SW6020A**

DUP		Sample ID: 1808775-01BDUP				Units: mg/L		Analysis Date: 8/15/2018 02:26 PM		
Client ID:		Run ID: ICPMS3_180815A				SeqNo: 5203539		Prep Date: 8/15/2018		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	43.25	5.0	0	0	0	0-0	60.27	32.9		
Magnesium	4.979	2.0	0	0	0	0-0	6.785	30.7		
Sodium	109.7	2.0	0	0	0	0-0	141.4	25.2		

The following samples were analyzed in this batch:

1808773-01A	1808773-02A	1808773-03A
1808773-04A		

Batch ID: **122854** Instrument ID **SAR** Method: **USDA H60 Metho**

DUP		Sample ID: 1808775-01BDUP				Units: none		Analysis Date: 8/15/2018		
Client ID:		Run ID: SAR_180815A				SeqNo: 5204907		Prep Date: 8/15/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	4.212	0.010	0	0	0		4.605	8.92	50	

The following samples were analyzed in this batch:

1808773-01A	1808773-02A	1808773-03A
1808773-04A		

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

Client: HRL Compliance Solutions, Inc
Work Order: 1808773
Project: CPX Holdings - TPR 25A Landfarm

QC BATCH REPORT

Batch ID: **122798** Instrument ID **SVMS6** Method: **SW846 8270D**

MBLK				Sample ID: SBLKS1-122798-122798				Units: µg/Kg			Analysis Date: 8/16/2018 03:11 PM		
Client ID:			Run ID: SVMS6_180816A				SeqNo: 5207814		Prep Date: 8/14/2018		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
Acenaphthene	U	42											
Anthracene	U	42											
Benzo(a)anthracene	U	42											
Benzo(a)pyrene	U	42											
Benzo(b)fluoranthene	U	42											
Benzo(k)fluoranthene	U	42											
Chrysene	U	42											
Dibenzo(a,h)anthracene	U	42											
Fluoranthene	U	42											
Fluorene	U	42											
Indeno(1,2,3-cd)pyrene	U	42											
Naphthalene	U	42											
Pyrene	U	42											
Surr: 2-Fluorobiphenyl	3284	0	3333	0	98.5	20-140	0						
Surr: 4-Terphenyl-d14	3065	0	3333	0	92	22-172	0						
Surr: Nitrobenzene-d5	3597	0	3333	0	108	28-140	0						

LCS				Sample ID: SLCSS1-122798-122798				Units: µg/Kg		Analysis Date: 8/16/2018 03:26 PM	
Client ID:			Run ID: SVMS6_180816A			SeqNo: 5207815		Prep Date: 8/14/2018		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	1210	42	1333	0	90.8	40-140	0				
Anthracene	1531	42	1333	0	115	40-140	0				
Benzo(a)anthracene	1384	42	1333	0	104	40-140	0				
Benzo(a)pyrene	1371	42	1333	0	103	40-140	0				
Benzo(b)fluoranthene	1287	42	1333	0	96.6	40-140	0				
Benzo(k)fluoranthene	1176	42	1333	0	88.2	40-140	0				
Chrysene	1317	42	1333	0	98.8	40-140	0				
Dibenzo(a,h)anthracene	1442	42	1333	0	108	40-140	0				
Fluoranthene	1257	42	1333	0	94.3	40-140	0				
Fluorene	1306	42	1333	0	98	40-140	0				
Indeno(1,2,3-cd)pyrene	1583	42	1333	0	119	40-140	0				
Naphthalene	1301	42	1333	0	97.6	40-140	0				
Pyrene	1307	42	1333	0	98	40-140	0				
Surr: 2-Fluorobiphenyl	3295	0	3333	0	98.9	20-140	0				
Surr: 4-Terphenyl-d14	3010	0	3333	0	90.3	22-172	0				
Surr: Nitrobenzene-d5	3654	0	3333	0	110	28-140	0				

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

Client: HRL Compliance Solutions, Inc
Work Order: 1808773
Project: CPX Holdings - TPR 25A Landfarm

QC BATCH REPORT

Batch ID: **122798** Instrument ID **SVMS6** Method: **SW846 8270D**

MS				Sample ID: 1808775-01A MS			Units: µg/Kg		Analysis Date: 8/16/2018 03:41 PM		
Client ID:			Run ID: SVMS6_180816A			SeqNo: 5207816		Prep Date: 8/14/2018		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	854.1	42	1333	0	64.1	40-140	0				
Anthracene	1132	42	1333	0	84.9	40-140	0				
Benzo(a)anthracene	1335	42	1333	167.2	87.6	40-140	0				
Benzo(a)pyrene	961.7	42	1333	66.27	67.2	40-140	0				
Benzo(b)fluoranthene	1438	42	1333	268.4	87.7	40-140	0				
Benzo(k)fluoranthene	865.3	42	1333	68.68	59.8	40-140	0				
Chrysene	1403	42	1333	239.9	87.3	40-140	0				
Dibenzo(a,h)anthracene	1245	42	1333	47.75	89.8	40-140	0				
Fluoranthene	1523	42	1333	272.2	93.8	40-140	0				
Fluorene	967.6	42	1333	0	72.6	40-140	0				
Indeno(1,2,3-cd)pyrene	1227	42	1333	60.94	87.5	40-140	0				
Naphthalene	1037	42	1333	49.72	74	40-140	0				
Pyrene	1135	42	1333	107.6	77	40-140	0				
Surr: 2-Fluorobiphenyl	2362	0	3333	0	70.9	20-140	0				
Surr: 4-Terphenyl-d14	2063	0	3333	0	61.9	22-172	0				
Surr: Nitrobenzene-d5	2740	0	3333	0	82.2	28-140	0				

MSD				Sample ID: 1808775-01A MSD			Units: µg/Kg		Analysis Date: 8/16/2018 03:56 PM		
Client ID:			Run ID: SVMS6_180816A			SeqNo: 5207817		Prep Date: 8/14/2018		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	861.5	41	1321	0	65.2	40-140	854.1	0.861	30		
Anthracene	1225	41	1321	0	92.8	40-140	1132	7.9	30		
Benzo(a)anthracene	1507	41	1321	167.2	101	40-140	1335	12.1	30		
Benzo(a)pyrene	1022	41	1321	66.27	72.4	40-140	961.7	6.08	30		
Benzo(b)fluoranthene	1537	41	1321	268.4	96.1	40-140	1438	6.68	30		
Benzo(k)fluoranthene	1050	41	1321	68.68	74.3	40-140	865.3	19.3	30		
Chrysene	1437	41	1321	239.9	90.6	40-140	1403	2.38	30		
Dibenzo(a,h)anthracene	1197	41	1321	47.75	87.1	40-140	1245	3.88	30		
Fluoranthene	1685	41	1321	272.2	107	40-140	1523	10.1	30		
Fluorene	1004	41	1321	0	76	40-140	967.6	3.68	30		
Indeno(1,2,3-cd)pyrene	1212	41	1321	60.94	87.2	40-140	1227	1.23	30		
Naphthalene	1160	41	1321	49.72	84.1	40-140	1037	11.3	30		
Pyrene	1231	41	1321	107.6	85.1	40-140	1135	8.15	30		
Surr: 2-Fluorobiphenyl	2410	0	3302	0	73	20-140	2362	2.01	0		
Surr: 4-Terphenyl-d14	2205	0	3302	0	66.8	22-172	2063	6.69	0		
Surr: Nitrobenzene-d5	3069	0	3302	0	92.9	28-140	2740	11.4	0		

The following samples were analyzed in this batch:

1808773-01A	1808773-02A	1808773-03A
1808773-04A		

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

Client: HRL Compliance Solutions, Inc
Work Order: 1808773
Project: CPX Holdings - TPR 25A Landfarm

QC BATCH REPORT

Batch ID: **122727** Instrument ID **VMS9** Method: **SW8260C**

MBLK				Sample ID: MBLK--122727				Units: µg/Kg-dry			Analysis Date: 8/14/2018 12:27 PM		
Client ID:			Run ID: VMS9_180814A				SeqNo: 5201249		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
Benzene	U	30											
Ethylbenzene	U	30											
m,p-Xylene	U	60											
o-Xylene	U	30											
Toluene	U	30											
Xylenes, Total	U	90											
Surr: 1,2-Dichloroethane-d4	1148	0	1000	0	115	70-130		0					
Surr: 4-Bromofluorobenzene	862	0	1000	0	86.2	70-130		0					
Surr: Dibromofluoromethane	909	0	1000	0	90.9	70-130		0					
Surr: Toluene-d8	854.5	0	1000	0	85.4	70-130		0					

LCS				Sample ID: LCS--122727		Units: µg/Kg-dry		Analysis Date: 8/14/2018 11:27 AM		
Client ID:		Run ID: VMS9_180814A			SeqNo: 5201248		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1034	30	1000	0	103	75-125	0			
Ethylbenzene	1052	30	1000	0	105	75-125	0			
m,p-Xylene	2174	60	2000	0	109	80-125	0			
o-Xylene	1072	30	1000	0	107	75-125	0			
Toluene	1040	30	1000	0	104	70-125	0			
Xylenes, Total	3246	90	3000	0	108	75-125	0			
Surr: 1,2-Dichloroethane-d4	1117	0	1000	0	112	70-130	0			
Surr: 4-Bromofluorobenzene	1062	0	1000	0	106	70-130	0			
Surr: Dibromofluoromethane	1014	0	1000	0	101	70-130	0			
Surr: Toluene-d8	1114	0	1000	0	111	70-130	0			

MS				Sample ID: 1808705-07A MS				Units: µg/Kg-dry		Analysis Date: 8/14/2018 07:40 PM	
Client ID:			Run ID: VMS9_180814A			SeqNo: 5202942		Prep Date: 8/13/2018		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	1254	35	1165	0	108	75-125	0				
Ethylbenzene	1275	35	1165	0	110	75-125	0				
m,p-Xylene	2528	70	2329	0	109	80-125	0				
o-Xylene	1308	35	1165	0	112	75-125	0				
Toluene	1107	35	1165	0	95	70-125	0				
Xylenes, Total	3836	100	3494	0	110	75-125	0				
Surr: 1,2-Dichloroethane-d4	1295	0	1165	0	111	70-130	0				
Surr: 4-Bromofluorobenzene	1340	0	1165	0	115	70-130	0				
Surr: Dibromofluoromethane	979.9	0	1165	0	84.2	70-130	0				
Surr: Toluene-d8	1127	0	1165	0	96.8	70-130	0				

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

Client: HRL Compliance Solutions, Inc
Work Order: 1808773
Project: CPX Holdings - TPR 25A Landfarm

QC BATCH REPORT

Batch ID: **122727** Instrument ID **VMS9** Method: **SW8260C**

MSD				Sample ID: 1808705-07A MSD			Units: µg/Kg-dry		Analysis Date: 8/14/2018 07:55 PM		
Client ID:			Run ID: VMS9_180814A			SeqNo: 5202943		Prep Date: 8/13/2018		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	1178	35	1165	0	101	75-125	1254	6.22	30		
Ethylbenzene	1226	35	1165	0	105	75-125	1275	3.91	30		
m,p-Xylene	2444	70	2329	0	105	80-125	2528	3.37	30		
o-Xylene	1263	35	1165	0	108	75-125	1308	3.49	30		
Toluene	1094	35	1165	0	94	70-125	1107	1.16	30		
Xylenes, Total	3708	100	3494	0	106	75-125	3836	3.41	30		
Surr: 1,2-Dichloroethane-d4	1269	0	1165	0	109	70-130	1295	2.04	30		
Surr: 4-Bromofluorobenzene	1275	0	1165	0	110	70-130	1340	4.94	30		
Surr: Dibromofluoromethane	1006	0	1165	0	86.4	70-130	979.9	2.64	30		
Surr: Toluene-d8	1130	0	1165	0	97	70-130	1127	0.31	30		

The following samples were analyzed in this batch:

1808773-01A 1808773-02A

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

Client: HRL Compliance Solutions, Inc
Work Order: 1808773
Project: CPX Holdings - TPR 25A Landfarm

QC BATCH REPORT

Batch ID: **122728** Instrument ID **VMS7** Method: **SW8260C**

MBLK				Sample ID: MBLK-122728-122728				Units: µg/Kg-dry			Analysis Date: 8/13/2018 03:33 PM		
Client ID:			Run ID: VMS7_180813A				SeqNo: 5200506			Prep Date: 8/13/2018		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
Benzene	U	30											
Ethylbenzene	U	30											
m,p-Xylene	U	60											
o-Xylene	U	30											
Toluene	U	30											
Xylenes, Total	U	90											
Surr: 1,2-Dichloroethane-d4	1014	0	1000	0	101	70-130		0					
Surr: 4-Bromofluorobenzene	966.5	0	1000	0	96.6	70-130		0					
Surr: Dibromofluoromethane	990	0	1000	0	99	70-130		0					
Surr: Toluene-d8	964	0	1000	0	96.4	70-130		0					

LCS				Sample ID: LCS-122728-122728			Units: µg/Kg-dry		Analysis Date: 8/13/2018 02:25 PM		
Client ID:			Run ID: VMS7_180813A			SeqNo: 5200505		Prep Date: 8/13/2018		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	980	30	1000	0	98	75-125	0				
Ethylbenzene	953.5	30	1000	0	95.4	75-125	0				
m,p-Xylene	1990	60	2000	0	99.5	80-125	0				
o-Xylene	989	30	1000	0	98.9	75-125	0				
Toluene	993	30	1000	0	99.3	70-125	0				
Xylenes, Total	2980	90	3000	0	99.3	75-125	0				
Surr: 1,2-Dichloroethane-d4	1021	0	1000	0	102	70-130	0				
Surr: 4-Bromofluorobenzene	1004	0	1000	0	100	70-130	0				
Surr: Dibromofluoromethane	1046	0	1000	0	105	70-130	0				
Surr: Toluene-d8	984	0	1000	0	98.4	70-130	0				

MS				Sample ID: 1808733-01A MS			Units: µg/Kg-dry		Analysis Date: 8/13/2018 08:59 PM		
Client ID:			Run ID: VMS7_180813A			SeqNo: 5200532		Prep Date: 8/13/2018		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	941.5	30	1011	0	93.1	75-125	0				
Ethylbenzene	913.2	30	1011	5.056	89.8	75-125	0				
m,p-Xylene	1978	61	2023	47.53	95.4	80-125	0				
o-Xylene	1012	30	1011	0	100	75-125	0				
Toluene	981.4	30	1011	0	97	70-125	0				
Xylenes, Total	2990	91	3034	48	97	75-125	0				
Surr: 1,2-Dichloroethane-d4	1011	0	1011	0	100	70-130	0				
Surr: 4-Bromofluorobenzene	1042	0	1011	0	103	70-130	0				
Surr: Dibromofluoromethane	973.3	0	1011	0	96.2	70-130	0				
Surr: Toluene-d8	979.9	0	1011	0	96.9	70-130	0				

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

Client: HRL Compliance Solutions, Inc
Work Order: 1808773
Project: CPX Holdings - TPR 25A Landfarm

QC BATCH REPORT

Batch ID: **122728** Instrument ID **VMS7** Method: **SW8260C**

MSD				Sample ID: 1808733-01A MSD			Units: µg/Kg-dry		Analysis Date: 8/13/2018 09:15 PM		
Client ID:			Run ID: VMS7_180813A			SeqNo: 5200533		Prep Date: 8/13/2018		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	1038	30	1011	0	103	75-125	941.5	9.71	30		
Ethylbenzene	1024	30	1011	5.056	101	75-125	913.2	11.5	30		
m,p-Xylene	2138	61	2023	47.53	103	80-125	1978	7.79	30		
o-Xylene	1132	30	1011	0	112	75-125	1012	11.2	30		
Toluene	1058	30	1011	0	105	70-125	981.4	7.49	30		
Xylenes, Total	3270	91	3034	48	106	75-125	2990	8.95	30		
Surr: 1,2-Dichloroethane-d4	1023	0	1011	0	101	70-130	1011	1.19	30		
Surr: 4-Bromofluorobenzene	1023	0	1011	0	101	70-130	1042	1.86	30		
Surr: Dibromofluoromethane	982.4	0	1011	0	97.2	70-130	973.3	0.931	30		
Surr: Toluene-d8	955.1	0	1011	0	94.4	70-130	979.9	2.56	30		

The following samples were analyzed in this batch:

1808773-03A 1808773-04A

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

Client: HRL Compliance Solutions, Inc
Work Order: 1808773
Project: CPX Holdings - TPR 25A Landfarm

QC BATCH REPORT

Batch ID: **122854** Instrument ID **WETCHEM** Method: **USDA H60 Metho**

DUP		Sample ID: 1808775-01B DUP				Units: mmhos/cm @25°		Analysis Date: 8/15/2018 03:35 PM		
Client ID:		Run ID: WETCHEM_180815F			SeqNo: 5204053		Prep Date: 8/15/2018		DF: 20	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	0.838	0.10	0	0	0		1.05	22.5	50	

The following samples were analyzed in this batch:

1808773-01A	1808773-02A	1808773-03A
1808773-04A		

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

Client: HRL Compliance Solutions, Inc
Work Order: 1808773
Project: CPX Holdings - TPR 25A Landfarm

QC BATCH REPORT

Batch ID: **122893** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK		Sample ID: MBLK-122893-122893				Units: mg/Kg		Analysis Date: 8/15/2018 05:00 PM		
Client ID:		Run ID: WETCHEM_180815M		SeqNo: 5204359		Prep Date: 8/14/2018		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent U 1.0

LCS		Sample ID: LCS-122893-122893				Units: mg/Kg		Analysis Date: 8/15/2018 05:00 PM		
Client ID:		Run ID: WETCHEM_180815M		SeqNo: 5204358		Prep Date: 8/14/2018		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 4.87 1.0 5 0 97.4 80-120 0

MS		Sample ID: 1808773-01A MS				Units: mg/Kg		Analysis Date: 8/15/2018 05:00 PM		
Client ID: Cells1/9/10/12 - Stockpile Comp. #1		Run ID: WETCHEM_180815M		SeqNo: 5204351		Prep Date: 8/14/2018		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 2.139 0.99 4.95 0.2178 38.8 75-125 0 S

MS		Sample ID: 1808773-01A MSI				Units: mg/Kg		Analysis Date: 8/15/2018 05:00 PM		
Client ID: Cells1/9/10/12 - Stockpile Comp. #1		Run ID: WETCHEM_180815M		SeqNo: 5204353		Prep Date: 8/14/2018		DF: 100		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1721 100 2003 0.2178 85.9 75-125 0

MSD		Sample ID: 1808773-01A MSD				Units: mg/Kg		Analysis Date: 8/15/2018 05:00 PM		
Client ID: Cells1/9/10/12 - Stockpile Comp. #1		Run ID: WETCHEM_180815M		SeqNo: 5204352		Prep Date: 8/14/2018		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 2.139 0.99 4.95 0.2178 38.8 75-125 2.139 0 20 S

The following samples were analyzed in this batch:

1808773-01A	1808773-02A	1808773-03A
1808773-04A		

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

Client: HRL Compliance Solutions, Inc
Work Order: 1808773
Project: CPX Holdings - TPR 25A Landfarm

QC BATCH REPORT

Batch ID: **122974** Instrument ID **WETCHEM** Method: **SW9045D**

LCS				Sample ID: LCS-122974-122974				Units: s.u.			Analysis Date: 8/17/2018 03:00 PM			
Client ID:				Run ID: WETCHEM_180817F				SeqNo: 5208585			Prep Date: 8/16/2018		DF: 1	
Analyte				Result		PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

pH 3.96 0.10 4 0 99 90-110 0

DUP		Sample ID: 18081022-01E DUP					Units: s.u.		Analysis Date: 8/17/2018 03:00 PM		
Client ID:		Run ID: WETCHEM_180817F			SeqNo: 5208588		Prep Date: 8/16/2018		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

pH 7.47 0.10 0 0 0 0-0 7.53 0.8 20

DUP				Sample ID: 1808775-07A DUP				Units: s.u.			Analysis Date: 8/17/2018 03:00 PM			
Client ID:				Run ID: WETCHEM_180817F				SeqNo: 5208595			Prep Date: 8/16/2018		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual				

pH 8.44 0.10 0 0 0 0-0 8.85 4.74 20

The following samples were analyzed in this batch:

1808773-01A	1808773-02A	1808773-03A
1808773-04A		

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

Client: HRL Compliance Solutions, Inc
Work Order: 1808773
Project: CPX Holdings - TPR 25A Landfarm

QC BATCH REPORT

Batch ID: **R242566** Instrument ID **MOIST** Method: **SW3550C**

MBLK		Sample ID: WBLKS-R242566				Units: % of sample		Analysis Date: 8/17/2018 04:24 PM		
Client ID:		Run ID: MOIST_180817C				SeqNo: 5209926		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture U 0.050

LCS		Sample ID: LCS-R242566				Units: % of sample		Analysis Date: 8/17/2018 04:24 PM		
Client ID:		Run ID: MOIST_180817C				SeqNo: 5209925		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 100 0.050 100 0 100 99.5-100.5 0

DUP		Sample ID: 1808768-01B DUP				Units: % of sample		Analysis Date: 8/17/2018 04:24 PM		
Client ID:		Run ID: MOIST_180817C				SeqNo: 5209908		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 5.12 0.050 0 0 0 0-0 5.53 7.7 10

DUP		Sample ID: 1808768-04B DUP				Units: % of sample		Analysis Date: 8/17/2018 04:24 PM		
Client ID:		Run ID: MOIST_180817C				SeqNo: 5209912		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 5.41 0.050 0 0 0 0-0 5.25 3 10

The following samples were analyzed in this batch:

1808773-01A	1808773-02A	1808773-03A
1808773-04A		

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
#

1808773

PROJECT NAME		CPX Holdings - TPR 25A Landfarm		SAMPLER		Kris Rowe		DATE		8/9/2018		PAGE		1 of 2	
PROJECT No.		Holdings		SITE ID		CPX TPR 25A Landfarm		TURNAROUND		STD 5 Day		DISPOSAL		By Lab or Return to Client	
COMPANY NAME		HRL COMPLIANCE SOLUTIONS Inc.		EDD FORMAT											
SEND REPORT TO		KRIS ROWE		PURCHASE ORDER											
ADDRESS		2385 F 1/2		BILL TO COMPANY		HRL Compliance									
CITY / STATE / ZIP		GRAND JUNCTION CO 81505		INVOICE ATTN TO		Kris Rowe									
PHONE		970-243-3271		ADDRESS											
FAX		970-243-3280		CITY / STATE / ZIP											
E-MAIL		KROWE@HRLCOMP.COM		PHONE											
				FAX											
				E-MAIL											
Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	DRO	GRO	BTEX	PAH	910-1 METALS	SAR / EC / pH		
1	Cells1/9/10/12 - Stockpile Comp. #1	Soil	8/9/2018	1300	2		11	X	X	X	X	X	X		
2	Cells1/9/10/12 - Stockpile Comp. #2	Soil	8/9/2018	1315	2		11	X	X	X	X	X	X		
3	Cells1/9/10/12 - Stockpile Comp. #3	Soil	8/9/2018	1330	2		11	X	X	X	X	X	X		
4	Cells1/9/10/12 - Stockpile Comp. #4	Soil	8/9/2018	1340	2		11	X	X	X	X	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: CPX Holdings XXXXXXXXXX SRZ 3.60 @	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)
	<input type="checkbox"/>	
Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035		

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY		Kris Rowe	8/9/2018	1100
RECEIVED BY		M. Martinez	8/10/18	1100
RELINQUISHED BY		M. Martinez	8-10-18	1830
RECEIVED BY		Diane F. Shaw	8/11/18	1030
RELINQUISHED BY				
RECEIVED BY				

Sample Receipt Checklist

Client Name: HRL

Date/Time Received: 11-Aug-18 10:30

Work Order: 1808773

Received by: DS

Checklist completed by Diane Shaw 13-Aug-18
eSignature Date

Reviewed by: Chad Whelton 14-Aug-18
eSignature Date

Matrices: Soil

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>3.6/3.6 c</u>		<u>SR2</u>
Cooler(s)/Kit(s):	<u></u>		
Date/Time sample(s) sent to storage:	<u>8/13/2018 11:01:09 AM</u>		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:	<u>-</u>		

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: