

**Wright Tank Battery - July 2023 Spill
Analytical Results Summary
PADCO LLC**

Hydrocarbon Analysis Results

Sample Date	Sampled By	Soil Sample	Lab ID	Location	Sample Depth (inches)	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylene (mg/kg)	1,2,4-Tri methyl benzene (mg/kg)	1,3,5-Tri methyl benzene (mg/kg)	Naph-thlene (mg/kg)	pH
---	---	Table 915	---	---	---	---	---	---	500	0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	6-8.3
7/28/2023	Lesair	WTB-WS	230758-04	Spill Impacted Soils	~3"	50	12,000	5,200	17,250	ND	ND	ND	ND	ND	ND	ND	7.83
7/28/2023	Lesair	WTB-1	230758-01	Sample Pt #1	~8"	9.1	2,600	1,000	3,609	ND	ND	ND	ND	ND	ND	ND	7.96
7/28/2023	Lesair	WTB-1a	230758-01	Sample Pt #1	~16"	1.2	ND	ND	1.2	ND	ND	ND	ND	---	---	---	8.04
7/28/2023	Lesair	WTB-2	230758-02	Sample Pt #2	~8"	1.0	380	140	521	ND	ND	ND	ND	ND	ND	ND	7.64
7/28/2023	Lesair	WTB-2a	230758-02	Sample Pt #2	~16"	ND	150	68	218	ND	ND	ND	ND	---	---	---	7.60
7/28/2023	Lesair	WTB-3	230758-03	Sample Pt #3	~8"	ND	67	ND	67	ND	ND	ND	ND	ND	ND	ND	7.73
8/15/2023	Lesair	WTB-B	2308362-01	Sample Pt #4	~8"	ND	180	88	268	ND	ND	ND	ND	ND	ND	ND	---
8/15/2023	Lesair	WTB-31	2308362-02	Sample Pt #5	~8"	ND	360	290	650	ND	ND	ND	ND	ND	ND	ND	---
8/15/2023	Lesair	WTB-31a	2308363-02	Sample Pt #5	~16"	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---

NOTES: Sample WTB-WS is from the spill impacted soils and is considered to be representative of the worst case sample associated with the July 2023 spill.

Lesair obtained a closing sample (WTB-1a) associated with Sample Point #1 (WTB-1) from ~16" with a TPH reading of 1.2 mg/kg

Lesair obtained a closing sample (WTB-2a) associated with Sample Point #2 (WTB-2) from ~16" with a TPH reading of 218 mg/kg

Lesair obtained a closing sample (WTB-31a) associated with Sample Point #5 (WTB-31) from ~16" with a TPH reading of ND (non detect)

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Soil Suitability for Reclamation Results

Sample Date	Sampled By	Soil Sample	Lab ID	Location	Sample Depth (inches)	Sodium Adsorption Ratio (SAR)	Specific Conductance (EC) (mmhos/cm)	% Solids	Boron (mg/l)	pH
---	---	Table 915	---	---	---	<6	<4	---	2	6-8.3
7/28/2023	Lesair	WTB-WS	230758-04	Spill Impacted Soils	~3"	1.36	0.39	89.1	0.496	7.83
7/28/2023	Lesair	WTB-1	230758-01	Sample Pt #1	~8"	1.53	0.52	87.4	0.569	7.96
7/28/2023	Lesair	WTB-2	230758-02	Sample Pt #2	~8"	0.43	0.23	85.3	0.360	7.64
7/28/2023	Lesair	WTB-3	230758-03	Sample Pt #3	~8"	0.49	0.26	86.7	0.484	7.73
8/15/2023	Lesair	WTB-B	2308362-01	Sample Pt #B	~8"	---	---	---	---	---
8/15/2023	Lesair	WTB-31	2308362-02	Sample Pt #WTB-31	~8"	---	---	---	---	---
7/28/2023	Lesair	WTB-BG	2307586-01	South of Facility	~12"	0.22	0.19	85.1	0.197	7.00

NOTES: Sample "WTB-BG" is a current back ground sample taken South of the Wright Tank Battery that was analyzed for Table 915 Metals and Salts.

Metals Analysis Results

Sample Date	Sampled By	Soil Sample	Lab ID	Location	Sample Depth (inches)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (kg/mg)	Lead (kg/mg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)	pH
---	---	Table 915	---	---	---	0.29	82	0.38	0.00067	46	14	26	0.26	0.80	370	6-8.3
7/28/2023	Lesair	WTB-WS	230758-04	Spill Impacted Soils	~3"	1.04	97	ND	ND	ND	5.1	2.2	0.230	0.035	7.3	7.83
7/28/2023	Lesair	WTB-1	230758-01	Sample Pt #1	~8"	0.96	108	ND	ND	ND	5.9	2.0	ND	0.032	7.3	7.96
7/28/2023	Lesair	WTB-2	230758-02	Sample Pt #2	~8"	---	---	---	---	---	---	---	---	---	---	---
7/28/2023	Lesair	WTB-3	230758-03	Sample Pt #3	~8"	---	---	---	---	---	---	---	---	---	---	---
3/22/2023	Lesair	A (backgrd)	2303554-01	South of Facility	~6"	3.34	133	0.256	---	---	---	---	0.883	---	---	7.66
7/28/2023	Lesair	WTB-BG	2307586-01	South of Facility	~12"	0.87	103	ND	ND	ND	7.2	2.5	0.318	0.032	7.5	7.00

NOTES: Sample "A" is a background sample taken south of the Wright Tank Battery in an area that should not have had any oil and gas impacts.

Sample "WTB-BG" is a current back ground sample taken South of the Wright Tank Battery that was analyzed for Table 915 Metals and Salts.

Background samples A and WTB-BG (located South of the Wright Tank Battery area) indicate native soil has high Arsenic, Barium, and Selenium composition.

Due to high background Arsenic and Barium concentrations, PADCO requests a NFA (no further action) regarding table 915 metals concentrations.