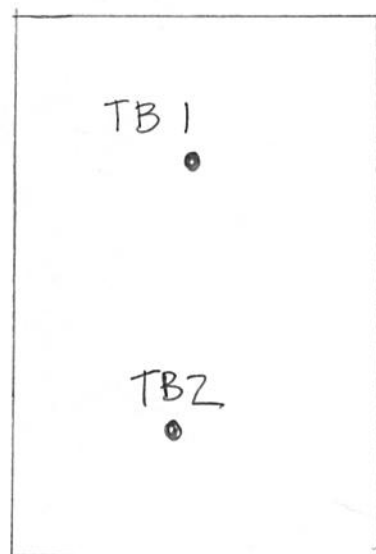




LEASE: STROMSOE #1
FIRST SAMPLES (4/10/2020)

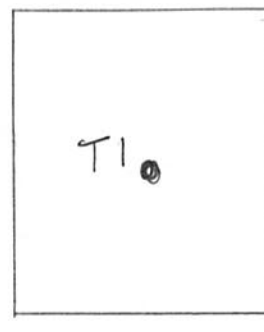
TB1 - TANK BATTERY FLOOR (NORTH)
TB2 - TANK BATTERY FLOOR (SOUTH)

TANK BATTERY



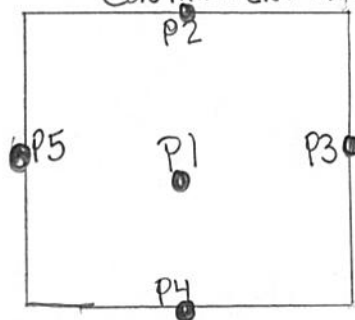
T1 - TREATER CONTAINMENT FLOOR

TREATER



P1 - PIT FLOOR
P2 - NORTH WALL
P3 - EAST WALL
P4 - SOUTH WALL
P5 - WEST WALL

PRODUCTION WATER
CONTAINMENT AREA



(NOT TO SCALE)

WELD LABORATORIES, INC.

1527 First Avenue • Greeley, Colorado 80631
Phone: (970) 353-8118 • Fax: (970) 353-1671
www.weldlabs.com

April 22, 2020

E3 Solutions
24501 Rd T.
Brush, CO 80723

Laboratory No.: E20101-1A
Sample: TB1

Project: Stromsoe-1
Location: Tank Batt. Contain N.

Analyses performed according to methods in notes below

	Results	Units	Surr Recovery (%)	PQL
TRPH (ORO, Oil and Grease)	U	mg/kg - ppm	74.0	~167 ppm
TEH (DRO)	NA	mg/kg - ppm	NA	~3 ppm
TVH (GRO)	NA	µg/kg - ppb	NA	~500 ppb
Benzene	NA	µg/kg - ppb	NA	~5 ppb
Toluene	NA	µg/kg - ppb	NA	~5 ppb
Ethyl-benzene	NA	µg/kg - ppb	NA	~5 ppb
m,p-Xylene	NA	µg/kg - ppb	NA	~5 ppb
o-Xylene	NA	µg/kg - ppb	NA	~5 ppb
Sat. Paste pH	8.1	SI	NA	
Sat. Paste EC	4.3	mS/cm	NA	
Sat. Paste Saturation%	20.2	%	NA	
Sat. Paste TDS	2720	mg/L	NA	
Sat. Paste SAR	4.9	--	NA	

Notes:

TRPH = Total Recoverable Petroleum Hydrocarbons (EPA 1664 or SM5520F Soxhlet extracted SGT-HEM)
DRO = Diesel Range Organics, GRO = Gas Range Organics, ORO = Oil Range Organics
TVH = Total Volatile Hydrocarbons (C6-C10 EPA 8015, EPA 5030/5035 purge and trap)
TEH = Total Extractable Hydrocarbons (Diesel #2 C11-C28, EPA Method 8015 solvent extraction)
BTEX = Benzene, Toluene, Ethylbenzene, Xylenes (EPA 8015, EPA 5030/5035 purge and trap)
VOC = Volatile Organic Compounds (EPA 8260B, EPA 5030/5035 purge and trap)
Soils always run as received but reported on a dry weight basis (mg/kg-dry-wt)
Saturated Paste methods: Gavlak et al. "Soil, Plant, and Water reference methods for the western region"
U = Compound analyzed but not detected, NA = Not Applicable or Not Analyzed


Project Manager

4/22/2020
Date

WELD LABORATORIES, INC.

1527 First Avenue • Greeley, Colorado 80631
Phone: (970) 353-8118 • Fax: (970) 353-1671
www.weldlabs.com

April 22, 2020

E3 Solutions
24501 Rd T.
Brush, CO 80723

Laboratory No.: E20101-1B
Sample: TB2

Project: Stromsoe-1
Location: Tank Batt. Contain S.

Analyses performed according to methods in notes below

	Results	Units	Surr Recovery (%)	PQL
TRPH (ORO, Oil and Grease)	192	mg/kg - ppm	74.0	~167 ppm
TEH (DRO)	NA	mg/kg - ppm	NA	~3 ppm
TVH (GRO)	NA	µg/kg - ppb	NA	~500 ppb
Benzene	NA	µg/kg - ppb	NA	~5 ppb
Toluene	NA	µg/kg - ppb	NA	~5 ppb
Ethyl-benzene	NA	µg/kg - ppb	NA	~5 ppb
m,p-Xylene	NA	µg/kg - ppb	NA	~5 ppb
o-Xylene	NA	µg/kg - ppb	NA	~5 ppb
Sat. Paste pH	7.5	SI	NA	
Sat. Paste EC	4.5	mS/cm	NA	
Sat. Paste Saturation%	27.3	%	NA	
Sat. Paste TDS	2880	mg/L	NA	
Sat. Paste SAR	6.0	--	NA	

Notes:

TRPH = Total Recoverable Petroleum Hydrocarbons (EPA 1664 or SM5520F Soxhlet extracted SGT-HEM)
DRO = Diesel Range Organics, GRO = Gas Range Organics, ORO = Oil Range Organics
TVH = Total Volatile Hydrocarbons (C6-C10 EPA 8015, EPA 5030/5035 purge and trap)
TEH = Total Extractable Hydrocarbons (Diesel #2 C11-C28, EPA Method 8015 solvent extraction)
BTEX = Benzene, Toluene, Ethylbenzene, Xylenes (EPA 8015, EPA 5030/5035 purge and trap)
VOC = Volatile Organic Compounds (EPA 8260B, EPA 5030/5035 purge and trap)
Soils always run as received but reported on a dry weight basis (mg/kg-dry-wt)
Saturated Paste methods: Gavlak et al. "Soil, Plant, and Water reference methods for the western region"
U = Compound analyzed but not detected, NA = Not Applicable or Not Analyzed


Project Manager


Date

WELD LABORATORIES, INC.

1527 First Avenue • Greeley, Colorado 80631
Phone: (970) 353-8118 • Fax: (970) 353-1671
www.weldlabs.com

April 22, 2020

E3 Solutions
24501 Rd T.
Brush, CO 80723

Laboratory No.: E20101-1C
Sample: P1

Project: Stromsoe-1
Location: Pit Floor

Analyses performed according to methods in notes below

	Results	Units	Surr Recovery (%)	PQL
TRPH (ORO, Oil and Grease)	21299	mg/kg - ppm	74.0	~167 ppm
TEH (DRO)	NA	mg/kg - ppm	NA	~3 ppm
TVH (GRO)	NA	µg/kg - ppb	NA	~500 ppb
Benzene	NA	µg/kg - ppb	NA	~5 ppb
Toluene	NA	µg/kg - ppb	NA	~5 ppb
Ethyl-benzene	NA	µg/kg - ppb	NA	~5 ppb
m,p-Xylene	NA	µg/kg - ppb	NA	~5 ppb
o-Xylene	NA	µg/kg - ppb	NA	~5 ppb
Sat. Paste pH	7.6	SI	NA	
Sat. Paste EC	3.7	mS/cm	NA	
Sat. Paste Saturation%	36.0	%	NA	
Sat. Paste TDS	2342	mg/L	NA	
Sat. Paste SAR	4.5	--	NA	

Notes:

TRPH = Total Recoverable Petroleum Hydrocarbons (EPA 1664 or SM5520F Soxhlet extracted SGT-HEM)
DRO = Diesel Range Organics, GRO = Gas Range Organics, ORO = Oil Range Organics
TVH = Total Volatile Hydrocarbons (C6-C10 EPA 8015, EPA 5030/5035 purge and trap)
TEH = Total Extractable Hydrocarbons (Diesel #2 C11-C28, EPA Method 8015 solvent extraction)
BTEX = Benzene, Toluene, Ethylbenzene, Xylenes (EPA 8015, EPA 5030/5035 purge and trap)
VOC = Volatile Organic Compounds (EPA 8260B, EPA 5030/5035 purge and trap)
Soils always run as received but reported on a dry weight basis (mg/kg-dry-wt)
Saturated Paste methods: Gavlak et al. "Soil, Plant, and Water reference methods for the western region"
U = Compound analyzed but not detected, NA = Not Applicable or Not Analyzed


Project Manager


Date

WELD LABORATORIES, INC.

1527 First Avenue • Greeley, Colorado 80631

Phone: (970) 353-8118 • Fax: (970) 353-1671

www.weldlabs.com

April 22, 2020

E3 Solutions
24501 Rd T.
Brush, CO 80723

Laboratory No.: E20101-1D
Sample: P2

Project: Stromsoe-1
Location: Pit North Wall

Analyses performed according to methods in notes below

	Results	Units	Surr Recovery (%)	PQL
TRPH (ORO, Oil and Grease)	1512	mg/kg - ppm	74.0	~167 ppm
TEH (DRO)	NA	mg/kg - ppm	NA	~3 ppm
TVH (GRO)	NA	µg/kg - ppb	NA	~500 ppb
Benzene	NA	µg/kg - ppb	NA	~5 ppb
Toluene	NA	µg/kg - ppb	NA	~5 ppb
Ethyl-benzene	NA	µg/kg - ppb	NA	~5 ppb
m,p-Xylene	NA	µg/kg - ppb	NA	~5 ppb
o-Xylene	NA	µg/kg - ppb	NA	~5 ppb
Sat. Paste pH	7.2	SI	NA	
Sat. Paste EC	1.7	mS/cm	NA	
Sat. Paste Saturation%	30.5	%	NA	
Sat. Paste TDS	1094	mg/L	NA	
Sat. Paste SAR	2.1	--	NA	

Notes:

TRPH = Total Recoverable Petroleum Hydrocarbons (EPA 1664 or SM5520F Soxhlet extracted SGT-HEM)

DRO = Diesel Range Organics, GRO = Gas Range Organics, ORO = Oil Range Organics

TVH = Total Volatile Hydrocarbons (C6-C10 EPA 8015, EPA 5030/5035 purge and trap)

TEH = Total Extractable Hydrocarbons (Diesel #2 C11-C28, EPA Method 8015 solvent extraction)

BTEX = Benzene, Toluene, Ethylbenzene, Xylenes (EPA 8015, EPA 5030/5035 purge and trap)

VOC = Volatile Organic Compounds (EPA 8260B, EPA 5030/5035 purge and trap)

Soils always run as received but reported on a dry weight basis (mg/kg-dry-wt)

Saturated Paste methods: Gavlak et al. "Soil, Plant, and Water reference methods for the western region"

U = Compound analyzed but not detected, NA = Not Applicable or Not Analyzed


Project Manager


Date

Sampling procedures can affect the value of analytical results - customers are advised to use appropriate sampling protocol to ensure samples are truly representative of the bulk sample.

WELD LABORATORIES, INC.

1527 First Avenue • Greeley, Colorado 80631

Phone: (970) 353-8118 • Fax: (970) 353-1671

www.weldlabs.com

April 22, 2020

E3 Solutions
24501 Rd T.
Brush, CO 80723

Laboratory No.: E20101-1E
Sample: P3

Project: Stromsoe-1
Location: Pit East Wall

Analyses performed according to methods in notes below

	Results	Units	Surr Recovery (%)	PQL
TRPH (ORO, Oil and Grease)	2473	mg/kg - ppm	74.0	~167 ppm
TEH (DRO)	NA	mg/kg - ppm	NA	~3 ppm
TVH (GRO)	NA	µg/kg - ppb	NA	~500 ppb
Benzene	NA	µg/kg - ppb	NA	~5 ppb
Toluene	NA	µg/kg - ppb	NA	~5 ppb
Ethyl-benzene	NA	µg/kg - ppb	NA	~5 ppb
m,p-Xylene	NA	µg/kg - ppb	NA	~5 ppb
o-Xylene	NA	µg/kg - ppb	NA	~5 ppb
Sat. Paste pH	7.3	SI	NA	
Sat. Paste EC	2.1	mS/cm	NA	
Sat. Paste Saturation%	31.9	%	NA	
Sat. Paste TDS	1350	mg/L	NA	
Sat. Paste SAR	1.2	--	NA	

Notes:

TRPH = Total Recoverable Petroleum Hydrocarbons (EPA 1664 or SM5520F Soxhlet extracted SGT-HEM)

DRO = Diesel Range Organics, GRO = Gas Range Organics, ORO = Oil Range Organics

TVH = Total Volatile Hydrocarbons (C6-C10 EPA 8015, EPA 5030/5035 purge and trap)

TEH = Total Extractable Hydrocarbons (Diesel #2 C11-C28, EPA Method 8015 solvent extraction)

BTEX = Benzene, Toluene, Ethylbenzene, Xylenes (EPA 8015, EPA 5030/5035 purge and trap)

VOC = Volatile Organic Compounds (EPA 8260B, EPA 5030/5035 purge and trap)

Soils always run as received but reported on a dry weight basis (mg/kg-dry-wt)

Saturated Paste methods: Gavlak et al. "Soil, Plant, and Water reference methods for the western region"

U = Compound analyzed but not detected, NA = Not Applicable or Not Analyzed


Project Manager

4/22/2020
Date

WELD LABORATORIES, INC.

1527 First Avenue • Greeley, Colorado 80631

Phone: (970) 353-8118 • Fax: (970) 353-1671

www.weldlabs.com

April 22, 2020

E3 Solutions
24501 Rd T.
Brush, CO 80723

Laboratory No.: E20101-1F
Sample: P4

Project: Stromsoe-1
Location: Pit South Wall

Analyses performed according to methods in notes below

	Results	Units	Surr Recovery (%)	PQL
TRPH (ORO, Oil and Grease)	410	mg/kg - ppm	74.0	~167 ppm
TEH (DRO)	NA	mg/kg - ppm	NA	~3 ppm
TVH (GRO)	NA	µg/kg - ppb	NA	~500 ppb
Benzene	NA	µg/kg - ppb	NA	~5 ppb
Toluene	NA	µg/kg - ppb	NA	~5 ppb
Ethyl-benzene	NA	µg/kg - ppb	NA	~5 ppb
m,p-Xylene	NA	µg/kg - ppb	NA	~5 ppb
o-Xylene	NA	µg/kg - ppb	NA	~5 ppb
Sat. Paste pH	7.4	SI	NA	
Sat. Paste EC	1.5	mS/cm	NA	
Sat. Paste Saturation%	34.7	%	NA	
Sat. Paste TDS	986	mg/L	NA	
Sat. Paste SAR	1.7	—	NA	

Notes:

TRPH = Total Recoverable Petroleum Hydrocarbons (EPA 1664 or SM5520F Soxhlet extracted SGT-HEM)

DRO = Diesel Range Organics, GRO = Gas Range Organics, ORO = Oil Range Organics

TVH = Total Volatile Hydrocarbons (C6-C10 EPA 8015, EPA 5030/5035 purge and trap)

TEH = Total Extractable Hydrocarbons (Diesel #2 C11-C28, EPA Method 8015 solvent extraction)

BTEX = Benzene, Toluene, Ethylbenzene, Xylenes (EPA 8015, EPA 5030/5035 purge and trap)

VOC = Volatile Organic Compounds (EPA 8260B, EPA 5030/5035 purge and trap)

Soils always run as received but reported on a dry weight basis (mg/kg-dry-wt)

Saturated Paste methods: Gavlak et al. "Soil, Plant, and Water reference methods for the western region"

U = Compound analyzed but not detected, NA = Not Applicable or Not Analyzed


Project Manager


Date

Sampling procedures can affect the value of analytical results customers are advised to use appropriate sampling protocol to ensure samples are truly representative of the bulk sample.

WELD LABORATORIES, INC.

1527 First Avenue • Greeley, Colorado 80631
Phone: (970) 353-8118 • Fax: (970) 353-1671
www.weldlabs.com

April 22, 2020

E3 Solutions
24501 Rd T.
Brush, CO 80723

Laboratory No.: E20101-1G
Sample: P5

Project: Stromsoe-1
Location: Pit West Wall

Analyses performed according to methods in notes below

	Results	Units	Surr Recovery (%)	PQL
TRPH (ORO, Oil and Grease)	5292	mg/kg - ppm	74.0	~167 ppm
TEH (DRO)	NA	mg/kg - ppm	NA	~3 ppm
TVH (GRO)	NA	µg/kg - ppb	NA	~500 ppb
Benzene	NA	µg/kg - ppb	NA	~5 ppb
Toluene	NA	µg/kg - ppb	NA	~5 ppb
Ethyl-benzene	NA	µg/kg - ppb	NA	~5 ppb
m,p-Xylene	NA	µg/kg - ppb	NA	~5 ppb
o-Xylene	NA	µg/kg - ppb	NA	~5 ppb
Sat. Paste pH	7.2	SI	NA	
Sat. Paste EC	2.4	mS/cm	NA	
Sat. Paste Saturation%	29.5	%	NA	
Sat. Paste TDS	1542	mg/L	NA	
Sat. Paste SAR	1.4	--	NA	

Notes:

TRPH = Total Recoverable Petroleum Hydrocarbons (EPA 1664 or SM5520F Soxhlet extracted SGT-HEM)

DRO = Diesel Range Organics, GRO = Gas Range Organics, ORO = Oil Range Organics

TVH = Total Volatile Hydrocarbons (C6-C10 EPA 8015, EPA 5030/5035 purge and trap)

TEH = Total Extractable Hydrocarbons (Diesel #2 C11-C28, EPA Method 8015 solvent extraction)

BTEX = Benzene, Toluene, Ethylbenzene, Xylenes (EPA 8015, EPA 5030/5035 purge and trap)

VOC = Volatile Organic Compounds (EPA 8260B, EPA 5030/5035 purge and trap)

Soils always run as received but reported on a dry weight basis (mg/kg-dry-wt)

Saturated Paste methods: Gavlak et al. "Soil, Plant, and Water reference methods for the western region"

U = Compound analyzed but not detected, NA = Not Applicable or Not Analyzed


Project Manager


Date

WELD LABORATORIES, INC.

1527 First Avenue • Greeley, Colorado 80631

Phone: (970) 353-8118 • Fax: (970) 353-1671

www.weldlabs.com

April 22, 2020

E3 Solutions
24501 Rd T.
Brush, CO 80723

Laboratory No.: E20101-1H
Sample: T1

Project: Stromsoe-1
Location: Treater Contain.

Analyses performed according to methods in notes below

	Results	Units	Surr Recovery (%)	PQL
TRPH (ORO, Oil and Grease)	1152	mg/kg - ppm	74.0	~167 ppm
TEH (DRO)	NA	mg/kg - ppm	NA	~3 ppm
TVH (GRO)	NA	µg/kg - ppb	NA	~500 ppb
Benzene	NA	µg/kg - ppb	NA	~5 ppb
Toluene	NA	µg/kg - ppb	NA	~5 ppb
Ethyl-benzene	NA	µg/kg - ppb	NA	~5 ppb
m,p-Xylene	NA	µg/kg - ppb	NA	~5 ppb
o-Xylene	NA	µg/kg - ppb	NA	~5 ppb
Sat. Paste pH	7.4	SI	NA	
Sat. Paste EC	3.7	mS/cm	NA	
Sat. Paste Saturation%	23.1	%	NA	
Sat. Paste TDS	2368	mg/L	NA	
Sat. Paste SAR	2.3	--	NA	

Notes:

TRPH = Total Recoverable Petroleum Hydrocarbons (EPA 1664 or SM5520F Soxhlet extracted SGT-HEM)

DRO = Diesel Range Organics, GRO = Gas Range Organics, ORO = Oil Range Organics

TVH = Total Volatile Hydrocarbons (C6-C10 EPA 8015, EPA 5030/5035 purge and trap)

TEH = Total Extractable Hydrocarbons (Diesel #2 C11-C28, EPA Method 8015 solvent extraction)

BTEX = Benzene, Toluene, Ethylbenzene, Xylenes (EPA 8015, EPA 5030/5035 purge and trap)

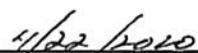
VOC = Volatile Organic Compounds (EPA 8260B, EPA 5030/5035 purge and trap)

Soils always run as received but reported on a dry weight basis (mg/kg-dry-wt)

Saturated Paste methods: Gavlak et al. "Soil, Plant, and Water reference methods for the western region"

U = Compound analyzed but not detected, NA = Not Applicable or Not Analyzed


Project Manager


Date