23-Jun-2020

Brittany Cocina
LT Environmental, Inc
820 Megan Ave. Unit B
Rifle, CO 81650

Re: **Stranahan 21B-27** Work Order: **20061198**

Dear Brittany,

ALS Environmental received 11 samples on 12-Jun-2020 10:00 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 47.

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,

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

ALS Group, USA

Date: 23-Jun-20

Client: LT Environmental, Inc
Project: Stranahan 21B-27
Work Order: **20061198**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
20061198-01	POR BOTTOM @ 6.5'	Soil		6/11/2020 12:00	6/12/2020 10:00	☐
20061198-02	E. BOTTOM @ 6.5'	Soil		6/11/2020 12:10	6/12/2020 10:00	☐
20061198-03	W. BOTTOM @ 7.5'	Soil		6/11/2020 12:22	6/12/2020 10:00	☐
20061198-04	W. WALL @ 6.5'	Soil		6/11/2020 12:30	6/12/2020 10:00	☐
20061198-05	S-E. WALL @ 4.5'	Soil		6/12/2020 08:36	6/12/2020 10:00	☐
20061198-06	N. WALL @ 6'	Soil		6/12/2020 08:44	6/12/2020 10:00	☐
20061198-07	MID BOTTOM @ 8.5'	Soil		6/12/2020 08:55	6/12/2020 10:00	☐
20061198-08	N-E. WALL @ 5'	Soil		6/12/2020 09:50	6/12/2020 10:00	☐
20061198-09	S. WALL @ 5.5'	Soil		6/12/2020 10:16	6/12/2020 10:00	☐
20061198-10	W-N. WALL @ 6.5'	Soil		6/12/2020 11:44	6/12/2020 10:00	☐
20061198-11	W-S. WALL @ 6.5'	Soil		6/12/2020 11:42	6/12/2020 10:00	☐

ALS Group, USA

Date: 23-Jun-20

Client: LT Environmental, Inc
Project: Stranahan 21B-27
Work Order: 20061198

Case Narrative

Batch 157620, Method CR6_7196_S, Sample 20061198-05A 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.

Qualifier	Description
*	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.

Acronym	Description
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

Units Reported	Description
% of sample	Percent of Sample
°C	Degrees Celcius
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: *23-Jun-20*

Client: LT Environmental, Inc
Project: Stranahan 21B-27
Sample ID: POR BOTTOM @ 6.5'
Collection Date: 6/11/2020 12:00 PM

Work Order: 20061198
Lab ID: 20061198-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW3550 6/17/20 19:59		Analyst: **JZB**
DRO (C10-C28)	ND		11	mg/Kg-dry	1	6/17/2020 09:00 PM
Surr: 4-Terphenyl-d14	*69.7*		*33-111*	*%REC*	1	6/17/2020 09:00 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 6/15/20 14:53		Analyst: **JZB**
GRO (C6-C10)	ND		6.1	mg/Kg	1	6/16/2020 11:16 PM
Surr: Toluene-d8	*97.0*		*71-123*	*%REC*	1	6/16/2020 11:16 PM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 6/16/20 09:15		Analyst: **MAC**
Mercury	**0.13**		**0.020**	**mg/Kg-dry**	1	6/16/2020 03:34 PM
METALS BY ICP-MS			**SW6020B**	Prep: SW3050B 6/16/20 09:58		Analyst: **STP**
Arsenic	**1.1**		**0.38**	**mg/Kg-dry**	1	6/16/2020 07:25 PM
Barium	**75**		**0.38**	**mg/Kg-dry**	1	6/16/2020 07:25 PM
Cadmium	ND		0.15	mg/Kg-dry	1	6/16/2020 07:25 PM
Chromium	**5.7**		**0.38**	**mg/Kg-dry**	1	6/16/2020 07:25 PM
Copper	**9.5**		**0.38**	**mg/Kg-dry**	1	6/16/2020 07:25 PM
Lead	**6.9**		**0.38**	**mg/Kg-dry**	1	6/16/2020 07:25 PM
Nickel	**9.8**		**0.38**	**mg/Kg-dry**	1	6/16/2020 07:25 PM
Selenium	ND		0.38	mg/Kg-dry	1	6/16/2020 07:25 PM
Silver	ND		0.38	mg/Kg-dry	1	6/16/2020 07:25 PM
Zinc	**40**		**0.75**	**mg/Kg-dry**	1	6/16/2020 07:25 PM
SOLUBLE CATIONS FOR SAR			**SW6020B**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Calcium	ND		5.0	mg/L	10	6/18/2020 01:27 PM
Magnesium	ND		2.0	mg/L	10	6/18/2020 01:27 PM
Sodium	**81**		**2.0**	**mg/L**	10	6/18/2020 01:27 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Sodium Adsorption Ratio	**8.9**		**0.010**	**none**	1	6/17/2020
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			**SW8270E**	Prep: SW3546 6/16/20 16:44		Analyst: **EEW**
Acenaphthene	ND		0.0046	mg/Kg-dry	1	6/16/2020 10:01 PM
Anthracene	ND		0.0046	mg/Kg-dry	1	6/16/2020 10:01 PM
Benzo(a)anthracene	ND		0.0046	mg/Kg-dry	1	6/16/2020 10:01 PM
Benzo(a)pyrene	ND		0.0046	mg/Kg-dry	1	6/16/2020 10:01 PM
Benzo(b)fluoranthene	ND		0.0046	mg/Kg-dry	1	6/16/2020 10:01 PM
Benzo(k)fluoranthene	ND		0.0046	mg/Kg-dry	1	6/16/2020 10:01 PM
Chrysene	ND		0.0046	mg/Kg-dry	1	6/16/2020 10:01 PM
Dibenzo(a,h)anthracene	ND		0.0046	mg/Kg-dry	1	6/16/2020 10:01 PM
Fluoranthene	ND		0.0046	mg/Kg-dry	1	6/16/2020 10:01 PM

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

Client: LT Environmental, Inc
Project: Stranahan 21B-27 **Work Order:** 20061198
Sample ID: POR BOTTOM @ 6.5' **Lab ID:** 20061198-01
Collection Date: 6/11/2020 12:00 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.0046	mg/Kg-dry	1	6/16/2020 10:01 PM
Indeno(1,2,3-cd)pyrene	ND		0.0046	mg/Kg-dry	1	6/16/2020 10:01 PM
Naphthalene	ND		0.0046	mg/Kg-dry	1	6/16/2020 10:01 PM
Pyrene	ND		0.0046	mg/Kg-dry	1	6/16/2020 10:01 PM
Surr: 2-Fluorobiphenyl	*83.8*		*20-140*	*%REC*	1	6/16/2020 10:01 PM
Surr: 4-Terphenyl-d14	*84.9*		*22-172*	*%REC*	1	6/16/2020 10:01 PM
Surr: Nitrobenzene-d5	*86.4*		*28-140*	*%REC*	1	6/16/2020 10:01 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260C**	Prep: SW5035 6/15/20 14:43		Analyst: **MF**
Benzene	ND		0.030	mg/Kg-dry	1	6/16/2020 11:05 PM
Ethylbenzene	ND		0.030	mg/Kg-dry	1	6/16/2020 11:05 PM
m,p-Xylene	ND		0.060	mg/Kg-dry	1	6/16/2020 11:05 PM
o-Xylene	ND		0.030	mg/Kg-dry	1	6/16/2020 11:05 PM
Toluene	ND		0.030	mg/Kg-dry	1	6/16/2020 11:05 PM
Xylenes, Total	ND		0.090	mg/Kg-dry	1	6/16/2020 11:05 PM
Surr: 1,2-Dichloroethane-d4	*101*		*70-130*	*%REC*	1	6/16/2020 11:05 PM
Surr: 4-Bromofluorobenzene	*98.7*		*70-130*	*%REC*	1	6/16/2020 11:05 PM
Surr: Dibromofluoromethane	*100*		*70-130*	*%REC*	1	6/16/2020 11:05 PM
Surr: Toluene-d8	*96.6*		*70-130*	*%REC*	1	6/16/2020 11:05 PM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **QTN**
Electrical Conductivity @ Saturation	**0.40**		**0.10**	**mmhos/cm @2**	20	6/18/2020 01:52 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**5.7**		**1.1**	**mg/Kg-dry**	1	6/18/2020 05:20 PM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 6/17/20 07:00		Analyst: **KTP**
Chromium, Hexavalent	ND		1.1	mg/Kg-dry	1	6/17/2020 02:50 PM
MOISTURE			**SW3550C**			Analyst: **KTP**
Moisture	**9.7**		**0.10**	**% of sample**	1	6/16/2020 01:59 PM
PH			**SW9045D**	Prep: EXTRACT 6/15/20 20:32		Analyst: **QTN**
pH	**9.84**		**0.100**	**s.u.**	1	6/16/2020 12:37 PM
Temperature	**20.2**		**0.100**	**°C**	1	6/16/2020 12:37 PM

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

Client: LT Environmental, Inc
Project: Stranahan 21B-27 **Work Order:** 20061198
Sample ID: E. BOTTOM @ 6.5' **Lab ID:** 20061198-02
Collection Date: 6/11/2020 12:10 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW3550 6/17/20 19:59		Analyst: **JZB**
DRO (C10-C28)	**20**		**10**	**mg/Kg-dry**	1	6/17/2020 09:39 PM
Surr: 4-Terphenyl-d14	*68.1*		*33-111*	*%REC*	1	6/17/2020 09:39 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 6/15/20 14:53		Analyst: **JZB**
GRO (C6-C10)	ND		5.7	mg/Kg	1	6/16/2020 11:39 PM
Surr: Toluene-d8	*96.2*		*71-123*	*%REC*	1	6/16/2020 11:39 PM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 6/16/20 09:15		Analyst: **MAC**
Mercury	**0.15**		**0.018**	**mg/Kg-dry**	1	6/16/2020 03:36 PM
METALS BY ICP-MS			**SW6020B**	Prep: SW3050B 6/16/20 09:58		Analyst: **STP**
Arsenic	**1.4**		**0.42**	**mg/Kg-dry**	1	6/16/2020 07:26 PM
Barium	**270**		**4.2**	**mg/Kg-dry**	10	6/17/2020 02:56 PM
Cadmium	ND		0.17	mg/Kg-dry	1	6/16/2020 07:26 PM
Chromium	**6.4**		**0.42**	**mg/Kg-dry**	1	6/16/2020 07:26 PM
Copper	**7.8**		**0.42**	**mg/Kg-dry**	1	6/16/2020 07:26 PM
Lead	**6.4**		**0.42**	**mg/Kg-dry**	1	6/16/2020 07:26 PM
Nickel	**11**		**0.42**	**mg/Kg-dry**	1	6/16/2020 07:26 PM
Selenium	ND		0.42	mg/Kg-dry	1	6/16/2020 07:26 PM
Silver	ND		0.42	mg/Kg-dry	1	6/16/2020 07:26 PM
Zinc	**42**		**0.84**	**mg/Kg-dry**	1	6/16/2020 07:26 PM
SOLUBLE CATIONS FOR SAR			**SW6020B**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Calcium	**5.4**		**5.0**	**mg/L**	10	6/18/2020 01:28 PM
Magnesium	**3.0**		**2.0**	**mg/L**	10	6/18/2020 01:28 PM
Sodium	**120**		**2.0**	**mg/L**	10	6/18/2020 01:28 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Sodium Adsorption Ratio	**10**		**0.010**	**none**	1	6/17/2020
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			**SW8270E**	Prep: SW3546 6/16/20 16:44		Analyst: **EEW**
Acenaphthene	ND		0.0043	mg/Kg-dry	1	6/16/2020 10:17 PM
Anthracene	ND		0.0043	mg/Kg-dry	1	6/16/2020 10:17 PM
Benzo(a)anthracene	ND		0.0043	mg/Kg-dry	1	6/16/2020 10:17 PM
Benzo(a)pyrene	ND		0.0043	mg/Kg-dry	1	6/16/2020 10:17 PM
Benzo(b)fluoranthene	ND		0.0043	mg/Kg-dry	1	6/16/2020 10:17 PM
Benzo(k)fluoranthene	ND		0.0043	mg/Kg-dry	1	6/16/2020 10:17 PM
Chrysene	ND		0.0043	mg/Kg-dry	1	6/16/2020 10:17 PM
Dibenzo(a,h)anthracene	ND		0.0043	mg/Kg-dry	1	6/16/2020 10:17 PM
Fluoranthene	ND		0.0043	mg/Kg-dry	1	6/16/2020 10:17 PM

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

Client: LT Environmental, Inc
Project: Stranahan 21B-27 **Work Order:** 20061198
Sample ID: E. BOTTOM @ 6.5' **Lab ID:** 20061198-02
Collection Date: 6/11/2020 12:10 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.0043	mg/Kg-dry	1	6/16/2020 10:17 PM
Indeno(1,2,3-cd)pyrene	ND		0.0043	mg/Kg-dry	1	6/16/2020 10:17 PM
Naphthalene	ND		0.0043	mg/Kg-dry	1	6/16/2020 10:17 PM
Pyrene	ND		0.0043	mg/Kg-dry	1	6/16/2020 10:17 PM
Surr: 2-Fluorobiphenyl	*87.1*		*20-140*	*%REC*	1	6/16/2020 10:17 PM
Surr: 4-Terphenyl-d14	*93.8*		*22-172*	*%REC*	1	6/16/2020 10:17 PM
Surr: Nitrobenzene-d5	*89.5*		*28-140*	*%REC*	1	6/16/2020 10:17 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260C**	Prep: SW5035 6/15/20 14:43		Analyst: **MF**
Benzene	ND		0.030	mg/Kg-dry	1	6/16/2020 11:21 PM
Ethylbenzene	ND		0.030	mg/Kg-dry	1	6/16/2020 11:21 PM
m,p-Xylene	ND		0.061	mg/Kg-dry	1	6/16/2020 11:21 PM
o-Xylene	ND		0.030	mg/Kg-dry	1	6/16/2020 11:21 PM
Toluene	ND		0.030	mg/Kg-dry	1	6/16/2020 11:21 PM
Xylenes, Total	ND		0.091	mg/Kg-dry	1	6/16/2020 11:21 PM
Surr: 1,2-Dichloroethane-d4	*100*		*70-130*	*%REC*	1	6/16/2020 11:21 PM
Surr: 4-Bromofluorobenzene	*100*		*70-130*	*%REC*	1	6/16/2020 11:21 PM
Surr: Dibromofluoromethane	*99.2*		*70-130*	*%REC*	1	6/16/2020 11:21 PM
Surr: Toluene-d8	*99.2*		*70-130*	*%REC*	1	6/16/2020 11:21 PM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **QTN**
Electrical Conductivity @ Saturation	**0.55**		**0.10**	**mmhos/cm @2**	20	6/18/2020 01:52 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**6.4**		**1.1**	**mg/Kg-dry**	1	6/18/2020 05:20 PM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 6/17/20 07:00		Analyst: **KTP**
Chromium, Hexavalent	ND		1.1	mg/Kg-dry	1	6/17/2020 02:50 PM
MOISTURE			**SW3550C**			Analyst: **KTP**
Moisture	**5.7**		**0.10**	**% of sample**	1	6/16/2020 01:59 PM
PH			**SW9045D**	Prep: EXTRACT 6/15/20 20:32		Analyst: **QTN**
pH	**9.87**		**0.100**	**s.u.**	1	6/16/2020 12:37 PM
Temperature	**20.2**		**0.100**	**°C**	1	6/16/2020 12:37 PM

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

ALS Group, USA

Date: *23-Jun-20*

Client: LT Environmental, Inc
Project: Stranahan 21B-27
Sample ID: W. BOTTOM @ 7.5'
Collection Date: 6/11/2020 12:22 PM

Work Order: 20061198
Lab ID: 20061198-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW3550 6/17/20 19:59		Analyst: **JZB**
DRO (C10-C28)	ND		11	mg/Kg-dry	1	6/17/2020 08:21 PM
Surr: 4-Terphenyl-d14	*80.8*		*33-111*	*%REC*	1	6/17/2020 08:21 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 6/15/20 14:53		Analyst: **JZB**
GRO (C6-C10)	ND		6.5	mg/Kg	1	6/17/2020 12:01 AM
Surr: Toluene-d8	*98.0*		*71-123*	*%REC*	1	6/17/2020 12:01 AM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 6/16/20 09:15		Analyst: **MAC**
Mercury	**0.071**		**0.022**	**mg/Kg-dry**	1	6/16/2020 03:38 PM
METALS BY ICP-MS			**SW6020B**	Prep: SW3050B 6/16/20 09:58		Analyst: **STP**
Arsenic	**3.8**		**0.44**	**mg/Kg-dry**	1	6/16/2020 07:28 PM
Barium	**240**		**4.4**	**mg/Kg-dry**	10	6/17/2020 03:02 PM
Cadmium	ND		0.17	mg/Kg-dry	1	6/16/2020 07:28 PM
Chromium	**9.8**		**0.44**	**mg/Kg-dry**	1	6/16/2020 07:28 PM
Copper	**8.4**		**0.44**	**mg/Kg-dry**	1	6/16/2020 07:28 PM
Lead	**9.7**		**0.44**	**mg/Kg-dry**	1	6/16/2020 07:28 PM
Nickel	**10**		**0.44**	**mg/Kg-dry**	1	6/16/2020 07:28 PM
Selenium	ND		0.44	mg/Kg-dry	1	6/16/2020 07:28 PM
Silver	ND		0.44	mg/Kg-dry	1	6/16/2020 07:28 PM
Zinc	**35**		**0.87**	**mg/Kg-dry**	1	6/16/2020 07:28 PM
SOLUBLE CATIONS FOR SAR			**SW6020B**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Calcium	**11**		**5.0**	**mg/L**	10	6/18/2020 01:30 PM
Magnesium	**5.0**		**2.0**	**mg/L**	10	6/18/2020 01:30 PM
Sodium	**86**		**2.0**	**mg/L**	10	6/18/2020 01:30 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Sodium Adsorption Ratio	**5.5**		**0.010**	**none**	1	6/17/2020
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			**SW8270E**	Prep: SW3546 6/16/20 16:44		Analyst: **EEW**
Acenaphthene	ND		0.0048	mg/Kg-dry	1	6/16/2020 10:32 PM
Anthracene	ND		0.0048	mg/Kg-dry	1	6/16/2020 10:32 PM
Benzo(a)anthracene	ND		0.0048	mg/Kg-dry	1	6/16/2020 10:32 PM
Benzo(a)pyrene	ND		0.0048	mg/Kg-dry	1	6/16/2020 10:32 PM
Benzo(b)fluoranthene	ND		0.0048	mg/Kg-dry	1	6/16/2020 10:32 PM
Benzo(k)fluoranthene	ND		0.0048	mg/Kg-dry	1	6/16/2020 10:32 PM
Chrysene	ND		0.0048	mg/Kg-dry	1	6/16/2020 10:32 PM
Dibenzo(a,h)anthracene	ND		0.0048	mg/Kg-dry	1	6/16/2020 10:32 PM
Fluoranthene	ND		0.0048	mg/Kg-dry	1	6/16/2020 10:32 PM

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

Client: LT Environmental, Inc
Project: Stranahan 21B-27 **Work Order:** 20061198
Sample ID: W. BOTTOM @ 7.5' **Lab ID:** 20061198-03
Collection Date: 6/11/2020 12:22 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.0048	mg/Kg-dry	1	6/16/2020 10:32 PM
Indeno(1,2,3-cd)pyrene	ND		0.0048	mg/Kg-dry	1	6/16/2020 10:32 PM
Naphthalene	ND		0.0048	mg/Kg-dry	1	6/16/2020 10:32 PM
Pyrene	ND		0.0048	mg/Kg-dry	1	6/16/2020 10:32 PM
Surr: 2-Fluorobiphenyl	*83.5*		*20-140*	*%REC*	1	6/16/2020 10:32 PM
Surr: 4-Terphenyl-d14	*93.6*		*22-172*	*%REC*	1	6/16/2020 10:32 PM
Surr: Nitrobenzene-d5	*87.4*		*28-140*	*%REC*	1	6/16/2020 10:32 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260C**	Prep: SW5035 6/15/20 14:43		Analyst: **MF**
Benzene	ND		0.030	mg/Kg-dry	1	6/16/2020 11:38 PM
Ethylbenzene	ND		0.030	mg/Kg-dry	1	6/16/2020 11:38 PM
m,p-Xylene	ND		0.060	mg/Kg-dry	1	6/16/2020 11:38 PM
o-Xylene	ND		0.030	mg/Kg-dry	1	6/16/2020 11:38 PM
Toluene	ND		0.030	mg/Kg-dry	1	6/16/2020 11:38 PM
Xylenes, Total	ND		0.090	mg/Kg-dry	1	6/16/2020 11:38 PM
Surr: 1,2-Dichloroethane-d4	*99.1*		*70-130*	*%REC*	1	6/16/2020 11:38 PM
Surr: 4-Bromofluorobenzene	*104*		*70-130*	*%REC*	1	6/16/2020 11:38 PM
Surr: Dibromofluoromethane	*99.3*		*70-130*	*%REC*	1	6/16/2020 11:38 PM
Surr: Toluene-d8	*103*		*70-130*	*%REC*	1	6/16/2020 11:38 PM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **QTN**
Electrical Conductivity @ Saturation	**0.53**		**0.10**	**mmhos/cm @2**	20	6/18/2020 01:52 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**9.8**		**1.2**	**mg/Kg-dry**	1	6/18/2020 05:20 PM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 6/17/20 07:00		Analyst: **KTP**
Chromium, Hexavalent	ND		1.1	mg/Kg-dry	1	6/17/2020 02:50 PM
MOISTURE			**SW3550C**			Analyst: **KTP**
Moisture	**13**		**0.10**	**% of sample**	1	6/16/2020 01:59 PM
PH			**SW9045D**	Prep: EXTRACT 6/15/20 20:32		Analyst: **QTN**
pH	**9.20**		**0.100**	**s.u.**	1	6/16/2020 12:37 PM
Temperature	**20.2**		**0.100**	**°C**	1	6/16/2020 12:37 PM

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

ALS Group, USA

Date: *23-Jun-20*

Client: LT Environmental, Inc
Project: Stranahan 21B-27
Sample ID: W. WALL @ 6.5'
Collection Date: 6/11/2020 12:30 PM

Work Order: 20061198
Lab ID: 20061198-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW3550 6/17/20 19:59		Analyst: **JZB**
DRO (C10-C28)	ND		12	mg/Kg-dry	1	6/17/2020 10:18 PM
Surr: 4-Terphenyl-d14	*79.2*		*33-111*	*%REC*	1	6/17/2020 10:18 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 6/15/20 14:53		Analyst: **JZB**
GRO (C6-C10)	ND		7.0	mg/Kg	1	6/17/2020 12:23 AM
Surr: Toluene-d8	*96.5*		*71-123*	*%REC*	1	6/17/2020 12:23 AM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 6/16/20 09:15		Analyst: **MAC**
Mercury	**0.075**		**0.021**	**mg/Kg-dry**	1	6/16/2020 03:40 PM
METALS BY ICP-MS			**SW6020B**	Prep: SW3050B 6/16/20 09:58		Analyst: **STP**
Arsenic	**3.9**		**0.45**	**mg/Kg-dry**	1	6/16/2020 07:30 PM
Barium	**190**		**4.5**	**mg/Kg-dry**	10	6/17/2020 03:04 PM
Cadmium	**0.19**		**0.18**	**mg/Kg-dry**	1	6/16/2020 07:30 PM
Chromium	**10**		**0.45**	**mg/Kg-dry**	1	6/16/2020 07:30 PM
Copper	**9.9**		**0.45**	**mg/Kg-dry**	1	6/16/2020 07:30 PM
Lead	**9.9**		**0.45**	**mg/Kg-dry**	1	6/16/2020 07:30 PM
Nickel	**11**		**0.45**	**mg/Kg-dry**	1	6/16/2020 07:30 PM
Selenium	ND		0.45	mg/Kg-dry	1	6/16/2020 07:30 PM
Silver	ND		0.45	mg/Kg-dry	1	6/16/2020 07:30 PM
Zinc	**36**		**0.89**	**mg/Kg-dry**	1	6/16/2020 07:30 PM
SOLUBLE CATIONS FOR SAR			**SW6020B**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Calcium	**19**		**5.0**	**mg/L**	10	6/18/2020 01:32 PM
Magnesium	**4.6**		**2.0**	**mg/L**	10	6/18/2020 01:32 PM
Sodium	**120**		**2.0**	**mg/L**	10	6/18/2020 01:32 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Sodium Adsorption Ratio	**6.6**		**0.010**	**none**	1	6/17/2020
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			**SW8270E**	Prep: SW3546 6/17/20 18:18		Analyst: **EEW**
Acenaphthene	ND		0.0051	mg/Kg-dry	1	6/20/2020 01:30 AM
Anthracene	ND		0.0051	mg/Kg-dry	1	6/20/2020 01:30 AM
Benzo(a)anthracene	ND		0.0051	mg/Kg-dry	1	6/20/2020 01:30 AM
Benzo(a)pyrene	ND		0.0051	mg/Kg-dry	1	6/20/2020 01:30 AM
Benzo(b)fluoranthene	ND		0.0051	mg/Kg-dry	1	6/20/2020 01:30 AM
Benzo(k)fluoranthene	ND		0.0051	mg/Kg-dry	1	6/20/2020 01:30 AM
Chrysene	ND		0.0051	mg/Kg-dry	1	6/20/2020 01:30 AM
Dibenzo(a,h)anthracene	ND		0.0051	mg/Kg-dry	1	6/20/2020 01:30 AM
Fluoranthene	ND		0.0051	mg/Kg-dry	1	6/20/2020 01:30 AM

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

Client: LT Environmental, Inc
Project: Stranahan 21B-27 **Work Order:** 20061198
Sample ID: W. WALL @ 6.5' **Lab ID:** 20061198-04
Collection Date: 6/11/2020 12:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.0051	mg/Kg-dry	1	6/20/2020 01:30 AM
Indeno(1,2,3-cd)pyrene	ND		0.0051	mg/Kg-dry	1	6/20/2020 01:30 AM
Naphthalene	ND		0.0051	mg/Kg-dry	1	6/20/2020 01:30 AM
Pyrene	ND		0.0051	mg/Kg-dry	1	6/20/2020 01:30 AM
Surr: 2-Fluorobiphenyl	*86.0*		*20-140*	*%REC*	1	6/20/2020 01:30 AM
Surr: 4-Terphenyl-d14	*111*		*22-172*	*%REC*	1	6/20/2020 01:30 AM
Surr: Nitrobenzene-d5	*88.9*		*28-140*	*%REC*	1	6/20/2020 01:30 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260C**	Prep: SW5035 6/15/20 14:43		Analyst: **MF**
Benzene	ND		0.029	mg/Kg-dry	1	6/16/2020 11:54 PM
Ethylbenzene	ND		0.029	mg/Kg-dry	1	6/16/2020 11:54 PM
m,p-Xylene	ND		0.058	mg/Kg-dry	1	6/16/2020 11:54 PM
o-Xylene	ND		0.029	mg/Kg-dry	1	6/16/2020 11:54 PM
Toluene	ND		0.029	mg/Kg-dry	1	6/16/2020 11:54 PM
Xylenes, Total	ND		0.086	mg/Kg-dry	1	6/16/2020 11:54 PM
Surr: 1,2-Dichloroethane-d4	*102*		*70-130*	*%REC*	1	6/16/2020 11:54 PM
Surr: 4-Bromofluorobenzene	*98.9*		*70-130*	*%REC*	1	6/16/2020 11:54 PM
Surr: Dibromofluoromethane	*96.7*		*70-130*	*%REC*	1	6/16/2020 11:54 PM
Surr: Toluene-d8	*98.7*		*70-130*	*%REC*	1	6/16/2020 11:54 PM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **QTN**
Electrical Conductivity @ Saturation	**0.76**		**0.10**	**mmhos/cm @2**	20	6/18/2020 01:52 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**10**		**1.2**	**mg/Kg-dry**	1	6/18/2020 05:20 PM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 6/17/20 07:00		Analyst: **KTP**
Chromium, Hexavalent	ND		1.2	mg/Kg-dry	1	6/17/2020 02:50 PM
MOISTURE			**SW3550C**			Analyst: **KTP**
Moisture	**18**		**0.10**	**% of sample**	1	6/16/2020 01:59 PM
PH			**SW9045D**	Prep: EXTRACT 6/15/20 20:32		Analyst: **QTN**
pH	**9.18**		**0.100**	**s.u.**	1	6/16/2020 12:37 PM
Temperature	**20.1**		**0.100**	**°C**	1	6/16/2020 12:37 PM

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

ALS Group, USA

Date: *23-Jun-20*

Client: LT Environmental, Inc
Project: Stranahan 21B-27
Sample ID: S-E. WALL @ 4.5'
Collection Date: 6/12/2020 08:36 AM

Work Order: 20061198
Lab ID: 20061198-05
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW3550 6/17/20 19:59		Analyst: **JZB**
DRO (C10-C28)	**14**		**11**	**mg/Kg-dry**	1	6/17/2020 10:57 PM
Surr: 4-Terphenyl-d14	*71.5*		*33-111*	*%REC*	1	6/17/2020 10:57 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 6/15/20 14:53		Analyst: **JZB**
GRO (C6-C10)	ND		5.8	mg/Kg	1	6/17/2020 12:46 AM
Surr: Toluene-d8	*98.8*		*71-123*	*%REC*	1	6/17/2020 12:46 AM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 6/16/20 09:15		Analyst: **MAC**
Mercury	**0.28**		**0.019**	**mg/Kg-dry**	1	6/16/2020 03:42 PM
METALS BY ICP-MS			**SW6020B**	Prep: SW3050B 6/16/20 09:58		Analyst: **STP**
Arsenic	**2.0**		**0.42**	**mg/Kg-dry**	1	6/16/2020 07:32 PM
Barium	**130**		**0.42**	**mg/Kg-dry**	1	6/16/2020 07:32 PM
Cadmium	ND		0.17	mg/Kg-dry	1	6/16/2020 07:32 PM
Chromium	**7.5**		**0.42**	**mg/Kg-dry**	1	6/16/2020 07:32 PM
Copper	**11**		**0.42**	**mg/Kg-dry**	1	6/16/2020 07:32 PM
Lead	**8.0**		**0.42**	**mg/Kg-dry**	1	6/16/2020 07:32 PM
Nickel	**12**		**0.42**	**mg/Kg-dry**	1	6/16/2020 07:32 PM
Selenium	ND		0.42	mg/Kg-dry	1	6/16/2020 07:32 PM
Silver	ND		0.42	mg/Kg-dry	1	6/16/2020 07:32 PM
Zinc	**47**		**0.84**	**mg/Kg-dry**	1	6/16/2020 07:32 PM
SOLUBLE CATIONS FOR SAR			**SW6020B**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Calcium	ND		5.0	mg/L	10	6/18/2020 01:35 PM
Magnesium	**2.8**		**2.0**	**mg/L**	10	6/18/2020 01:35 PM
Sodium	**64**		**2.0**	**mg/L**	10	6/18/2020 01:35 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Sodium Adsorption Ratio	**6.3**		**0.010**	**none**	1	6/17/2020
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			**SW8270E**	Prep: SW3546 6/17/20 18:18		Analyst: **EEW**
Acenaphthene	ND		0.0045	mg/Kg-dry	1	6/20/2020 12:29 AM
Anthracene	ND		0.0045	mg/Kg-dry	1	6/20/2020 12:29 AM
Benzo(a)anthracene	ND		0.0045	mg/Kg-dry	1	6/20/2020 12:29 AM
Benzo(a)pyrene	ND		0.0045	mg/Kg-dry	1	6/20/2020 12:29 AM
Benzo(b)fluoranthene	ND		0.0045	mg/Kg-dry	1	6/20/2020 12:29 AM
Benzo(k)fluoranthene	ND		0.0045	mg/Kg-dry	1	6/20/2020 12:29 AM
Chrysene	ND		0.0045	mg/Kg-dry	1	6/20/2020 12:29 AM
Dibenzo(a,h)anthracene	ND		0.0045	mg/Kg-dry	1	6/20/2020 12:29 AM
Fluoranthene	ND		0.0045	mg/Kg-dry	1	6/20/2020 12:29 AM

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

Client: LT Environmental, Inc
Project: Stranahan 21B-27 **Work Order:** 20061198
Sample ID: S-E. WALL @ 4.5' **Lab ID:** 20061198-05
Collection Date: 6/12/2020 08:36 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.0045	mg/Kg-dry	1	6/20/2020 12:29 AM
Indeno(1,2,3-cd)pyrene	ND		0.0045	mg/Kg-dry	1	6/20/2020 12:29 AM
Naphthalene	ND		0.0045	mg/Kg-dry	1	6/20/2020 12:29 AM
Pyrene	ND		0.0045	mg/Kg-dry	1	6/20/2020 12:29 AM
Surr: 2-Fluorobiphenyl	*82.6*		*20-140*	*%REC*	1	6/20/2020 12:29 AM
Surr: 4-Terphenyl-d14	*97.9*		*22-172*	*%REC*	1	6/20/2020 12:29 AM
Surr: Nitrobenzene-d5	*84.8*		*28-140*	*%REC*	1	6/20/2020 12:29 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260C**	Prep: SW5035 6/15/20 14:43		Analyst: **MF**
Benzene	ND		0.030	mg/Kg-dry	1	6/17/2020 12:10 AM
Ethylbenzene	ND		0.030	mg/Kg-dry	1	6/17/2020 12:10 AM
m,p-Xylene	ND		0.060	mg/Kg-dry	1	6/17/2020 12:10 AM
o-Xylene	ND		0.030	mg/Kg-dry	1	6/17/2020 12:10 AM
Toluene	ND		0.030	mg/Kg-dry	1	6/17/2020 12:10 AM
Xylenes, Total	ND		0.090	mg/Kg-dry	1	6/17/2020 12:10 AM
Surr: 1,2-Dichloroethane-d4	*97.5*		*70-130*	*%REC*	1	6/17/2020 12:10 AM
Surr: 4-Bromofluorobenzene	*100*		*70-130*	*%REC*	1	6/17/2020 12:10 AM
Surr: Dibromofluoromethane	*94.2*		*70-130*	*%REC*	1	6/17/2020 12:10 AM
Surr: Toluene-d8	*99.6*		*70-130*	*%REC*	1	6/17/2020 12:10 AM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **QTN**
Electrical Conductivity @ Saturation	**0.29**		**0.10**	**mmhos/cm @2**	20	6/18/2020 01:52 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**7.5**		**1.1**	**mg/Kg-dry**	1	6/18/2020 05:20 PM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 6/17/20 07:00		Analyst: **KTP**
Chromium, Hexavalent	ND		1.1	mg/Kg-dry	1	6/17/2020 02:50 PM
MOISTURE			**SW3550C**			Analyst: **KTP**
Moisture	**7.3**		**0.10**	**% of sample**	1	6/16/2020 01:59 PM
PH			**SW9045D**	Prep: EXTRACT 6/15/20 20:32		Analyst: **QTN**
pH	**9.99**		**0.100**	**s.u.**	1	6/16/2020 12:37 PM
Temperature	**20.1**		**0.100**	**°C**	1	6/16/2020 12:37 PM

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

Client: LT Environmental, Inc
Project: Stranahan 21B-27 **Work Order:** 20061198
Sample ID: N. WALL @ 6' **Lab ID:** 20061198-06
Collection Date: 6/12/2020 08:44 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW3550 6/17/20 19:59		Analyst: **JZB**
DRO (C10-C28)	**14**		**13**	**mg/Kg-dry**	1	6/18/2020 02:11 AM
Surr: 4-Terphenyl-d14	*70.5*		*33-111*	*%REC*	1	6/18/2020 02:11 AM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 6/15/20 14:53		Analyst: **JZB**
GRO (C6-C10)	ND		7.6	mg/Kg	1	6/17/2020 01:08 AM
Surr: Toluene-d8	*99.0*		*71-123*	*%REC*	1	6/17/2020 01:08 AM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 6/16/20 09:15		Analyst: **MAC**
Mercury	**0.13**		**0.019**	**mg/Kg-dry**	1	6/16/2020 03:44 PM
METALS BY ICP-MS			**SW6020B**	Prep: SW3050B 6/16/20 09:58		Analyst: **STP**
Arsenic	**2.7**		**0.49**	**mg/Kg-dry**	1	6/16/2020 07:34 PM
Barium	**180**		**0.49**	**mg/Kg-dry**	1	6/16/2020 07:34 PM
Cadmium	ND		0.20	mg/Kg-dry	1	6/16/2020 07:34 PM
Chromium	**9.2**		**0.49**	**mg/Kg-dry**	1	6/16/2020 07:34 PM
Copper	**16**		**0.49**	**mg/Kg-dry**	1	6/16/2020 07:34 PM
Lead	**10**		**0.49**	**mg/Kg-dry**	1	6/16/2020 07:34 PM
Nickel	**14**		**0.49**	**mg/Kg-dry**	1	6/16/2020 07:34 PM
Selenium	ND		0.49	mg/Kg-dry	1	6/16/2020 07:34 PM
Silver	ND		0.49	mg/Kg-dry	1	6/16/2020 07:34 PM
Zinc	**53**		**0.99**	**mg/Kg-dry**	1	6/16/2020 07:34 PM
SOLUBLE CATIONS FOR SAR			**SW6020B**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Calcium	**530**		**5.0**	**mg/L**	10	6/18/2020 01:36 PM
Magnesium	**120**		**2.0**	**mg/L**	10	6/18/2020 01:36 PM
Sodium	**400**		**2.0**	**mg/L**	10	6/18/2020 01:36 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Sodium Adsorption Ratio	**4.1**		**0.010**	**none**	1	6/17/2020
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			**SW8270E**	Prep: SW3546 6/17/20 18:18		Analyst: **EEW**
Acenaphthene	ND		0.0052	mg/Kg-dry	1	6/20/2020 01:46 AM
Anthracene	ND		0.0052	mg/Kg-dry	1	6/20/2020 01:46 AM
Benzo(a)anthracene	ND		0.0052	mg/Kg-dry	1	6/20/2020 01:46 AM
Benzo(a)pyrene	ND		0.0052	mg/Kg-dry	1	6/20/2020 01:46 AM
Benzo(b)fluoranthene	ND		0.0052	mg/Kg-dry	1	6/20/2020 01:46 AM
Benzo(k)fluoranthene	ND		0.0052	mg/Kg-dry	1	6/20/2020 01:46 AM
Chrysene	ND		0.0052	mg/Kg-dry	1	6/20/2020 01:46 AM
Dibenzo(a,h)anthracene	ND		0.0052	mg/Kg-dry	1	6/20/2020 01:46 AM
Fluoranthene	ND		0.0052	mg/Kg-dry	1	6/20/2020 01:46 AM

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

ALS Group, USA

Date: *23-Jun-20*

Client: LT Environmental, Inc
Project: Stranahan 21B-27
Sample ID: N. WALL @ 6'
Collection Date: 6/12/2020 08:44 AM

Work Order: 20061198
Lab ID: 20061198-06
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	**0.041**		**0.0052**	**mg/Kg-dry**	1	6/20/2020 01:46 AM
Indeno(1,2,3-cd)pyrene	ND		0.0052	mg/Kg-dry	1	6/20/2020 01:46 AM
Naphthalene	ND		0.0052	mg/Kg-dry	1	6/20/2020 01:46 AM
Pyrene	ND		0.0052	mg/Kg-dry	1	6/20/2020 01:46 AM
Surr: 2-Fluorobiphenyl	*77.5*		*20-140*	*%REC*	1	6/20/2020 01:46 AM
Surr: 4-Terphenyl-d14	*98.1*		*22-172*	*%REC*	1	6/20/2020 01:46 AM
Surr: Nitrobenzene-d5	*76.7*		*28-140*	*%REC*	1	6/20/2020 01:46 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260C**	Prep: SW5035 6/15/20 14:43		Analyst: **MF**
Benzene	ND		0.029	mg/Kg-dry	1	6/17/2020 12:26 AM
Ethylbenzene	ND		0.029	mg/Kg-dry	1	6/17/2020 12:26 AM
m,p-Xylene	ND		0.058	mg/Kg-dry	1	6/17/2020 12:26 AM
o-Xylene	ND		0.029	mg/Kg-dry	1	6/17/2020 12:26 AM
Toluene	ND		0.029	mg/Kg-dry	1	6/17/2020 12:26 AM
Xylenes, Total	ND		0.087	mg/Kg-dry	1	6/17/2020 12:26 AM
Surr: 1,2-Dichloroethane-d4	*103*		*70-130*	*%REC*	1	6/17/2020 12:26 AM
Surr: 4-Bromofluorobenzene	*104*		*70-130*	*%REC*	1	6/17/2020 12:26 AM
Surr: Dibromofluoromethane	*96.1*		*70-130*	*%REC*	1	6/17/2020 12:26 AM
Surr: Toluene-d8	*101*		*70-130*	*%REC*	1	6/17/2020 12:26 AM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **QTN**
Electrical Conductivity @ Saturation	**5.9**		**0.10**	**mmhos/cm @2**	20	6/18/2020 01:52 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**9.2**		**1.3**	**mg/Kg-dry**	1	6/18/2020 05:20 PM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 6/17/20 07:00		Analyst: **KTP**
Chromium, Hexavalent	ND		1.3	mg/Kg-dry	1	6/17/2020 02:50 PM
MOISTURE			**SW3550C**			Analyst: **KTP**
Moisture	**22**		**0.10**	**% of sample**	1	6/16/2020 01:59 PM
PH			**SW9045D**	Prep: EXTRACT 6/15/20 20:32		Analyst: **QTN**
pH	**8.43**		**0.100**	**s.u.**	1	6/16/2020 12:37 PM
Temperature	**20.2**		**0.100**	**°C**	1	6/16/2020 12:37 PM

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

Client: LT Environmental, Inc
Project: Stranahan 21B-27 **Work Order:** 20061198
Sample ID: MID BOTTOM @ 8.5' **Lab ID:** 20061198-07
Collection Date: 6/12/2020 08:55 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW3550 6/17/20 19:59		Analyst: **JZB**
DRO (C10-C28)	ND		11	mg/Kg-dry	1	6/18/2020 01:32 AM
Surr: 4-Terphenyl-d14	*75.1*		*33-111*	*%REC*	1	6/18/2020 01:32 AM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 6/15/20 14:53		Analyst: **JZB**
GRO (C6-C10)	ND		6.0	mg/Kg	1	6/17/2020 01:30 AM
Surr: Toluene-d8	*96.7*		*71-123*	*%REC*	1	6/17/2020 01:30 AM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 6/16/20 09:15		Analyst: **MAC**
Mercury	**0.083**		**0.023**	**mg/Kg-dry**	1	6/16/2020 03:46 PM
METALS BY ICP-MS			**SW6020B**	Prep: SW3050B 6/16/20 09:58		Analyst: **STP**
Arsenic	**3.4**		**0.37**	**mg/Kg-dry**	1	6/16/2020 07:36 PM
Barium	**180**		**3.7**	**mg/Kg-dry**	10	6/17/2020 03:05 PM
Cadmium	ND		0.15	mg/Kg-dry	1	6/16/2020 07:36 PM
Chromium	**7.6**		**0.37**	**mg/Kg-dry**	1	6/16/2020 07:36 PM
Copper	**8.7**		**0.37**	**mg/Kg-dry**	1	6/16/2020 07:36 PM
Lead	**11**		**0.37**	**mg/Kg-dry**	1	6/16/2020 07:36 PM
Nickel	**9.7**		**0.37**	**mg/Kg-dry**	1	6/16/2020 07:36 PM
Selenium	ND		0.37	mg/Kg-dry	1	6/16/2020 07:36 PM
Silver	ND		0.37	mg/Kg-dry	1	6/16/2020 07:36 PM
Zinc	**35**		**0.74**	**mg/Kg-dry**	1	6/16/2020 07:36 PM
SOLUBLE CATIONS FOR SAR			**SW6020B**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Calcium	**18**		**5.0**	**mg/L**	10	6/18/2020 01:38 PM
Magnesium	**6.8**		**2.0**	**mg/L**	10	6/18/2020 01:38 PM
Sodium	**160**		**2.0**	**mg/L**	10	6/18/2020 01:38 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Sodium Adsorption Ratio	**8.2**		**0.010**	**none**	1	6/17/2020
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			**SW8270E**	Prep: SW3546 6/17/20 18:18		Analyst: **EEW**
Acenaphthene	ND		0.0046	mg/Kg-dry	1	6/20/2020 02:01 AM
Anthracene	ND		0.0046	mg/Kg-dry	1	6/20/2020 02:01 AM
Benzo(a)anthracene	ND		0.0046	mg/Kg-dry	1	6/20/2020 02:01 AM
Benzo(a)pyrene	ND		0.0046	mg/Kg-dry	1	6/20/2020 02:01 AM
Benzo(b)fluoranthene	ND		0.0046	mg/Kg-dry	1	6/20/2020 02:01 AM
Benzo(k)fluoranthene	ND		0.0046	mg/Kg-dry	1	6/20/2020 02:01 AM
Chrysene	ND		0.0046	mg/Kg-dry	1	6/20/2020 02:01 AM
Dibenzo(a,h)anthracene	ND		0.0046	mg/Kg-dry	1	6/20/2020 02:01 AM
Fluoranthene	ND		0.0046	mg/Kg-dry	1	6/20/2020 02:01 AM

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

Client: LT Environmental, Inc
Project: Stranahan 21B-27 **Work Order:** 20061198
Sample ID: MID BOTTOM @ 8.5' **Lab ID:** 20061198-07
Collection Date: 6/12/2020 08:55 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	**0.011**		**0.0046**	**mg/Kg-dry**	1	6/20/2020 02:01 AM
Indeno(1,2,3-cd)pyrene	ND		0.0046	mg/Kg-dry	1	6/20/2020 02:01 AM
Naphthalene	ND		0.0046	mg/Kg-dry	1	6/20/2020 02:01 AM
Pyrene	ND		0.0046	mg/Kg-dry	1	6/20/2020 02:01 AM
Surr: 2-Fluorobiphenyl	*86.9*		*20-140*	*%REC*	1	6/20/2020 02:01 AM
Surr: 4-Terphenyl-d14	*112*		*22-172*	*%REC*	1	6/20/2020 02:01 AM
Surr: Nitrobenzene-d5	*89.7*		*28-140*	*%REC*	1	6/20/2020 02:01 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260C**	Prep: SW5035 6/15/20 14:43		Analyst: **MF**
Benzene	ND		0.027	mg/Kg-dry	1	6/17/2020 12:43 AM
Ethylbenzene	ND		0.027	mg/Kg-dry	1	6/17/2020 12:43 AM
m,p-Xylene	ND		0.054	mg/Kg-dry	1	6/17/2020 12:43 AM
o-Xylene	ND		0.027	mg/Kg-dry	1	6/17/2020 12:43 AM
Toluene	ND		0.027	mg/Kg-dry	1	6/17/2020 12:43 AM
Xylenes, Total	ND		0.081	mg/Kg-dry	1	6/17/2020 12:43 AM
Surr: 1,2-Dichloroethane-d4	*100*		*70-130*	*%REC*	1	6/17/2020 12:43 AM
Surr: 4-Bromofluorobenzene	*98.9*		*70-130*	*%REC*	1	6/17/2020 12:43 AM
Surr: Dibromofluoromethane	*96.6*		*70-130*	*%REC*	1	6/17/2020 12:43 AM
Surr: Toluene-d8	*100*		*70-130*	*%REC*	1	6/17/2020 12:43 AM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **QTN**
Electrical Conductivity @ Saturation	**0.90**		**0.10**	**mmhos/cm @2**	20	6/18/2020 01:52 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**7.6**		**1.2**	**mg/Kg-dry**	1	6/18/2020 05:20 PM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 6/17/20 07:00		Analyst: **KTP**
Chromium, Hexavalent	ND		1.1	mg/Kg-dry	1	6/17/2020 02:50 PM
MOISTURE			**SW3550C**			Analyst: **KTP**
Moisture	**14**		**0.10**	**% of sample**	1	6/16/2020 01:59 PM
PH			**SW9045D**	Prep: EXTRACT 6/15/20 20:32		Analyst: **QTN**
pH	**9.23**		**0.100**	**s.u.**	1	6/16/2020 12:37 PM
Temperature	**20.2**		**0.100**	**°C**	1	6/16/2020 12:37 PM

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

Client: LT Environmental, Inc
Project: Stranahan 21B-27 **Work Order:** 20061198
Sample ID: N-E. WALL @ 5' **Lab ID:** 20061198-08
Collection Date: 6/12/2020 09:50 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW3550 6/17/20 19:59		Analyst: **JZB**
DRO (C10-C28)	**13**		**11**	**mg/Kg-dry**	1	6/19/2020 12:05 AM
Surr: 4-Terphenyl-d14	*72.3*		*33-111*	*%REC*	1	6/19/2020 12:05 AM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 6/15/20 14:53		Analyst: **JZB**
GRO (C6-C10)	ND		6.6	mg/Kg	1	6/17/2020 01:53 AM
Surr: Toluene-d8	*99.0*		*71-123*	*%REC*	1	6/17/2020 01:53 AM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 6/16/20 09:15		Analyst: **MAC**
Mercury	**0.10**		**0.018**	**mg/Kg-dry**	1	6/16/2020 03:49 PM
METALS BY ICP-MS			**SW6020B**	Prep: SW3050B 6/16/20 09:58		Analyst: **STP**
Arsenic	**4.0**		**0.36**	**mg/Kg-dry**	1	6/16/2020 07:41 PM
Barium	**52**		**0.36**	**mg/Kg-dry**	1	6/16/2020 07:41 PM
Cadmium	**0.17**		**0.14**	**mg/Kg-dry**	1	6/16/2020 07:41 PM
Chromium	**10**		**0.36**	**mg/Kg-dry**	1	6/16/2020 07:41 PM
Copper	**20**		**3.6**	**mg/Kg-dry**	10	6/17/2020 03:07 PM
Lead	**11**		**0.36**	**mg/Kg-dry**	1	6/16/2020 07:41 PM
Nickel	**18**		**3.6**	**mg/Kg-dry**	10	6/17/2020 03:07 PM
Selenium	ND		0.36	mg/Kg-dry	1	6/16/2020 07:41 PM
Silver	ND		0.36	mg/Kg-dry	1	6/16/2020 07:41 PM
Zinc	**64**		**0.72**	**mg/Kg-dry**	1	6/16/2020 07:41 PM
SOLUBLE CATIONS FOR SAR			**SW6020B**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Calcium	**190**		**5.0**	**mg/L**	10	6/18/2020 01:39 PM
Magnesium	**60**		**2.0**	**mg/L**	10	6/18/2020 01:39 PM
Sodium	**150**		**2.0**	**mg/L**	10	6/18/2020 01:39 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Sodium Adsorption Ratio	**2.4**		**0.010**	**none**	1	6/17/2020
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			**SW8270E**	Prep: SW3546 6/17/20 18:18		Analyst: **EEW**
Acenaphthene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:17 AM
Anthracene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:17 AM
Benzo(a)anthracene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:17 AM
Benzo(a)pyrene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:17 AM
Benzo(b)fluoranthene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:17 AM
Benzo(k)fluoranthene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:17 AM
Chrysene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:17 AM
Dibenzo(a,h)anthracene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:17 AM
Fluoranthene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:17 AM

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

ALS Group, USA

Date: *23-Jun-20*

Client: LT Environmental, Inc
Project: Stranahan 21B-27
Sample ID: N-E. WALL @ 5'
Collection Date: 6/12/2020 09:50 AM

Work Order: 20061198
Lab ID: 20061198-08
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	**0.0056**		**0.0047**	**mg/Kg-dry**	1	6/20/2020 02:17 AM
Indeno(1,2,3-cd)pyrene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:17 AM
Naphthalene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:17 AM
Pyrene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:17 AM
Surr: 2-Fluorobiphenyl	*83.6*		*20-140*	*%REC*	1	6/20/2020 02:17 AM
Surr: 4-Terphenyl-d14	*82.2*		*22-172*	*%REC*	1	6/20/2020 02:17 AM
Surr: Nitrobenzene-d5	*75.6*		*28-140*	*%REC*	1	6/20/2020 02:17 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260C**	Prep: SW5035 6/15/20 14:43		Analyst: **MF**
Benzene	ND		0.030	mg/Kg-dry	1	6/17/2020 12:59 AM
Ethylbenzene	ND		0.030	mg/Kg-dry	1	6/17/2020 12:59 AM
m,p-Xylene	ND		0.061	mg/Kg-dry	1	6/17/2020 12:59 AM
o-Xylene	ND		0.030	mg/Kg-dry	1	6/17/2020 12:59 AM
Toluene	ND		0.030	mg/Kg-dry	1	6/17/2020 12:59 AM
Xylenes, Total	ND		0.091	mg/Kg-dry	1	6/17/2020 12:59 AM
Surr: 1,2-Dichloroethane-d4	*103*		*70-130*	*%REC*	1	6/17/2020 12:59 AM
Surr: 4-Bromofluorobenzene	*101*		*70-130*	*%REC*	1	6/17/2020 12:59 AM
Surr: Dibromofluoromethane	*93.7*		*70-130*	*%REC*	1	6/17/2020 12:59 AM
Surr: Toluene-d8	*100*		*70-130*	*%REC*	1	6/17/2020 12:59 AM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **QTN**
Electrical Conductivity @ Saturation	**2.3**		**0.10**	**mmhos/cm @2**	20	6/18/2020 01:52 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**10**		**1.1**	**mg/Kg-dry**	1	6/18/2020 05:20 PM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 6/17/20 07:00		Analyst: **KTP**
Chromium, Hexavalent	ND		1.1	mg/Kg-dry	1	6/17/2020 02:50 PM
MOISTURE			**SW3550C**			Analyst: **KTP**
Moisture	**13**		**0.10**	**% of sample**	1	6/16/2020 01:59 PM
PH			**SW9045D**	Prep: EXTRACT 6/15/20 20:32		Analyst: **QTN**
pH	**8.48**		**0.100**	**s.u.**	1	6/16/2020 12:37 PM
Temperature	**20.4**		**0.100**	**°C**	1	6/16/2020 12:37 PM

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

ALS Group, USA

Date: *23-Jun-20*

Client: LT Environmental, Inc
Project: Stranahan 21B-27
Sample ID: S. WALL @ 5.5'
Collection Date: 6/12/2020 10:16 AM

Work Order: 20061198
Lab ID: 20061198-09
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW3550 6/17/20 19:59		Analyst: **JZB**
DRO (C10-C28)	**13**		**12**	**mg/Kg-dry**	1	6/18/2020 11:26 PM
Surr: 4-Terphenyl-d14	*67.3*		*33-111*	*%REC*	1	6/18/2020 11:26 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 6/15/20 14:53		Analyst: **JZB**
GRO (C6-C10)	ND		7.3	mg/Kg	1	6/17/2020 03:44 AM
Surr: Toluene-d8	*96.5*		*71-123*	*%REC*	1	6/17/2020 03:44 AM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 6/16/20 09:15		Analyst: **MAC**
Mercury	**0.13**		**0.023**	**mg/Kg-dry**	1	6/16/2020 03:57 PM
METALS BY ICP-MS			**SW6020B**	Prep: SW3050B 6/16/20 09:58		Analyst: **STP**
Arsenic	**3.7**		**0.39**	**mg/Kg-dry**	1	6/16/2020 07:43 PM
Barium	**230**		**3.9**	**mg/Kg-dry**	10	6/17/2020 03:09 PM
Cadmium	**0.22**		**0.16**	**mg/Kg-dry**	1	6/16/2020 07:43 PM
Chromium	**9.8**		**0.39**	**mg/Kg-dry**	1	6/16/2020 07:43 PM
Copper	**11**		**0.39**	**mg/Kg-dry**	1	6/16/2020 07:43 PM
Lead	**12**		**0.39**	**mg/Kg-dry**	1	6/16/2020 07:43 PM
Nickel	**12**		**0.39**	**mg/Kg-dry**	1	6/16/2020 07:43 PM
Selenium	ND		0.39	mg/Kg-dry	1	6/16/2020 07:43 PM
Silver	ND		0.39	mg/Kg-dry	1	6/16/2020 07:43 PM
Zinc	**42**		**0.78**	**mg/Kg-dry**	1	6/16/2020 07:43 PM
SOLUBLE CATIONS FOR SAR			**SW6020B**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Calcium	**65**		**5.0**	**mg/L**	10	6/18/2020 01:41 PM
Magnesium	**22**		**2.0**	**mg/L**	10	6/18/2020 01:41 PM
Sodium	**120**		**2.0**	**mg/L**	10	6/18/2020 01:41 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Sodium Adsorption Ratio	**3.3**		**0.010**	**none**	1	6/17/2020
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			**SW8270E**	Prep: SW3546 6/17/20 18:18		Analyst: **EEW**
Acenaphthene	ND		0.0051	mg/Kg-dry	1	6/20/2020 02:32 AM
Anthracene	ND		0.0051	mg/Kg-dry	1	6/20/2020 02:32 AM
Benzo(a)anthracene	ND		0.0051	mg/Kg-dry	1	6/20/2020 02:32 AM
Benzo(a)pyrene	ND		0.0051	mg/Kg-dry	1	6/20/2020 02:32 AM
Benzo(b)fluoranthene	ND		0.0051	mg/Kg-dry	1	6/20/2020 02:32 AM
Benzo(k)fluoranthene	ND		0.0051	mg/Kg-dry	1	6/20/2020 02:32 AM
Chrysene	ND		0.0051	mg/Kg-dry	1	6/20/2020 02:32 AM
Dibenzo(a,h)anthracene	ND		0.0051	mg/Kg-dry	1	6/20/2020 02:32 AM
Fluoranthene	ND		0.0051	mg/Kg-dry	1	6/20/2020 02:32 AM

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

Client: LT Environmental, Inc
Project: Stranahan 21B-27 **Work Order:** 20061198
Sample ID: S. WALL @ 5.5' **Lab ID:** 20061198-09
Collection Date: 6/12/2020 10:16 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.0051	mg/Kg-dry	1	6/20/2020 02:32 AM
Indeno(1,2,3-cd)pyrene	ND		0.0051	mg/Kg-dry	1	6/20/2020 02:32 AM
Naphthalene	ND		0.0051	mg/Kg-dry	1	6/20/2020 02:32 AM
Pyrene	ND		0.0051	mg/Kg-dry	1	6/20/2020 02:32 AM
Surr: 2-Fluorobiphenyl	*86.4*		*20-140*	*%REC*	1	6/20/2020 02:32 AM
Surr: 4-Terphenyl-d14	*114*		*22-172*	*%REC*	1	6/20/2020 02:32 AM
Surr: Nitrobenzene-d5	*88.9*		*28-140*	*%REC*	1	6/20/2020 02:32 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260C**	Prep: SW5035 6/15/20 14:43		Analyst: **MF**
Benzene	ND		0.030	mg/Kg-dry	1	6/17/2020 01:15 AM
Ethylbenzene	ND		0.030	mg/Kg-dry	1	6/17/2020 01:15 AM
m,p-Xylene	ND		0.059	mg/Kg-dry	1	6/17/2020 01:15 AM
o-Xylene	ND		0.030	mg/Kg-dry	1	6/17/2020 01:15 AM
Toluene	ND		0.030	mg/Kg-dry	1	6/17/2020 01:15 AM
Xylenes, Total	ND		0.089	mg/Kg-dry	1	6/17/2020 01:15 AM
Surr: 1,2-Dichloroethane-d4	*101*		*70-130*	*%REC*	1	6/17/2020 01:15 AM
Surr: 4-Bromofluorobenzene	*104*		*70-130*	*%REC*	1	6/17/2020 01:15 AM
Surr: Dibromofluoromethane	*94.9*		*70-130*	*%REC*	1	6/17/2020 01:15 AM
Surr: Toluene-d8	*99.0*		*70-130*	*%REC*	1	6/17/2020 01:15 AM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **QTN**
Electrical Conductivity @ Saturation	**1.5**		**0.10**	**mmhos/cm @2**	20	6/18/2020 01:52 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**9.8**		**1.2**	**mg/Kg-dry**	1	6/18/2020 05:20 PM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 6/17/20 07:00		Analyst: **KTP**
Chromium, Hexavalent	ND		1.2	mg/Kg-dry	1	6/17/2020 02:50 PM
MOISTURE			**SW3550C**			Analyst: **KTP**
Moisture	**19**		**0.10**	**% of sample**	1	6/16/2020 01:59 PM
PH			**SW9045D**	Prep: EXTRACT 6/15/20 20:32		Analyst: **QTN**
pH	**8.52**		**0.100**	**s.u.**	1	6/16/2020 12:37 PM
Temperature	**20.4**		**0.100**	**°C**	1	6/16/2020 12:37 PM

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

Client: LT Environmental, Inc
Project: Stranahan 21B-27 **Work Order:** 20061198
Sample ID: W-N. WALL @ 6.5' **Lab ID:** 20061198-10
Collection Date: 6/12/2020 11:44 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW3550 6/17/20 19:59		Analyst: **JZB**
DRO (C10-C28)	ND		12	mg/Kg-dry	1	6/18/2020 10:47 PM
Surr: 4-Terphenyl-d14	*76.2*		*33-111*	*%REC*	1	6/18/2020 10:47 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 6/15/20 14:53		Analyst: **JZB**
GRO (C6-C10)	ND		6.7	mg/Kg	1	6/17/2020 04:07 AM
Surr: Toluene-d8	*100*		*71-123*	*%REC*	1	6/17/2020 04:07 AM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 6/16/20 09:15		Analyst: **MAC**
Mercury	**0.15**		**0.019**	**mg/Kg-dry**	1	6/16/2020 03:59 PM
METALS BY ICP-MS			**SW6020B**	Prep: SW3050B 6/16/20 09:58		Analyst: **STP**
Arsenic	**2.6**		**0.42**	**mg/Kg-dry**	1	6/16/2020 07:45 PM
Barium	**190**		**4.2**	**mg/Kg-dry**	10	6/17/2020 03:11 PM
Cadmium	ND		0.17	mg/Kg-dry	1	6/16/2020 07:45 PM
Chromium	**8.1**		**0.42**	**mg/Kg-dry**	1	6/16/2020 07:45 PM
Copper	**8.8**		**0.42**	**mg/Kg-dry**	1	6/16/2020 07:45 PM
Lead	**7.9**		**0.42**	**mg/Kg-dry**	1	6/16/2020 07:45 PM
Nickel	**11**		**0.42**	**mg/Kg-dry**	1	6/16/2020 07:45 PM
Selenium	ND		0.42	mg/Kg-dry	1	6/16/2020 07:45 PM
Silver	ND		0.42	mg/Kg-dry	1	6/16/2020 07:45 PM
Zinc	**36**		**0.83**	**mg/Kg-dry**	1	6/16/2020 07:45 PM
SOLUBLE CATIONS FOR SAR			**SW6020B**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Calcium	**54**		**5.0**	**mg/L**	10	6/17/2020 07:57 PM
Magnesium	**17**		**2.0**	**mg/L**	10	6/17/2020 07:57 PM
Sodium	**96**		**2.0**	**mg/L**	10	6/17/2020 07:57 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Sodium Adsorption Ratio	**2.9**		**0.010**	**none**	1	6/17/2020
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			**SW8270E**	Prep: SW3546 6/17/20 18:18		Analyst: **EEW**
Acenaphthene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:48 AM
Anthracene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:48 AM
Benzo(a)anthracene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:48 AM
Benzo(a)pyrene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:48 AM
Benzo(b)fluoranthene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:48 AM
Benzo(k)fluoranthene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:48 AM
Chrysene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:48 AM
Dibenzo(a,h)anthracene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:48 AM
Fluoranthene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:48 AM

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

Client: LT Environmental, Inc
Project: Stranahan 21B-27 **Work Order:** 20061198
Sample ID: W-N. WALL @ 6.5' **Lab ID:** 20061198-10
Collection Date: 6/12/2020 11:44 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:48 AM
Indeno(1,2,3-cd)pyrene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:48 AM
Naphthalene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:48 AM
Pyrene	ND		0.0047	mg/Kg-dry	1	6/20/2020 02:48 AM
Surr: 2-Fluorobiphenyl	*84.6*		*20-140*	*%REC*	1	6/20/2020 02:48 AM
Surr: 4-Terphenyl-d14	*111*		*22-172*	*%REC*	1	6/20/2020 02:48 AM
Surr: Nitrobenzene-d5	*87.7*		*28-140*	*%REC*	1	6/20/2020 02:48 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260C**	Prep: SW5035 6/15/20 14:43		Analyst: **MF**
Benzene	ND		0.030	mg/Kg-dry	1	6/17/2020 01:31 AM
Ethylbenzene	ND		0.030	mg/Kg-dry	1	6/17/2020 01:31 AM
m,p-Xylene	ND		0.060	mg/Kg-dry	1	6/17/2020 01:31 AM
o-Xylene	ND		0.030	mg/Kg-dry	1	6/17/2020 01:31 AM
Toluene	ND		0.030	mg/Kg-dry	1	6/17/2020 01:31 AM
Xylenes, Total	ND		0.090	mg/Kg-dry	1	6/17/2020 01:31 AM
Surr: 1,2-Dichloroethane-d4	*100*		*70-130*	*%REC*	1	6/17/2020 01:31 AM
Surr: 4-Bromofluorobenzene	*102*		*70-130*	*%REC*	1	6/17/2020 01:31 AM
Surr: Dibromofluoromethane	*95.8*		*70-130*	*%REC*	1	6/17/2020 01:31 AM
Surr: Toluene-d8	*99.0*		*70-130*	*%REC*	1	6/17/2020 01:31 AM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **QTN**
Electrical Conductivity @ Saturation	**1.4**		**0.10**	**mmhos/cm @2**	20	6/18/2020 01:52 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**8.1**		**1.2**	**mg/Kg-dry**	1	6/18/2020 05:20 PM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 6/18/20 07:00		Analyst: **KTP**
Chromium, Hexavalent	ND		1.1	mg/Kg-dry	1	6/18/2020 03:15 PM
MOISTURE			**SW3550C**			Analyst: **KTP**
Moisture	**14**		**0.10**	**% of sample**	1	6/16/2020 01:59 PM
PH			**SW9045D**	Prep: EXTRACT 6/15/20 20:32		Analyst: **QTN**
pH	**8.80**		**0.100**	**s.u.**	1	6/16/2020 12:37 PM
Temperature	**20.4**		**0.100**	**°C**	1	6/16/2020 12:37 PM

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

ALS Group, USA

Date: *23-Jun-20*

Client: LT Environmental, Inc
Project: Stranahan 21B-27
Sample ID: W-S. WALL @ 6.5'
Collection Date: 6/12/2020 11:42 AM

Work Order: 20061198
Lab ID: 20061198-11
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW3550 6/17/20 19:59		Analyst: **JZB**
DRO (C10-C28)	**12**		**11**	**mg/Kg-dry**	1	6/18/2020 08:13 PM
Surr: 4-Terphenyl-d14	*72.7*		*33-111*	*%REC*	1	6/18/2020 08:13 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 6/15/20 14:53		Analyst: **JZB**
GRO (C6-C10)	ND		5.7	mg/Kg	1	6/17/2020 04:29 AM
Surr: Toluene-d8	*99.2*		*71-123*	*%REC*	1	6/17/2020 04:29 AM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 6/16/20 09:15		Analyst: **MAC**
Mercury	**0.14**		**0.020**	**mg/Kg-dry**	1	6/16/2020 04:01 PM
METALS BY ICP-MS			**SW6020B**	Prep: SW3050B 6/16/20 09:58		Analyst: **STP**
Arsenic	**3.4**		**0.41**	**mg/Kg-dry**	1	6/16/2020 07:47 PM
Barium	**230**		**4.1**	**mg/Kg-dry**	10	6/17/2020 03:12 PM
Cadmium	**0.20**		**0.16**	**mg/Kg-dry**	1	6/16/2020 07:47 PM
Chromium	**9.7**		**0.41**	**mg/Kg-dry**	1	6/16/2020 07:47 PM
Copper	**11**		**0.41**	**mg/Kg-dry**	1	6/16/2020 07:47 PM
Lead	**11**		**0.41**	**mg/Kg-dry**	1	6/16/2020 07:47 PM
Nickel	**11**		**0.41**	**mg/Kg-dry**	1	6/16/2020 07:47 PM
Selenium	ND		0.41	mg/Kg-dry	1	6/16/2020 07:47 PM
Silver	ND		0.41	mg/Kg-dry	1	6/16/2020 07:47 PM
Zinc	**39**		**0.82**	**mg/Kg-dry**	1	6/16/2020 07:47 PM
SOLUBLE CATIONS FOR SAR			**SW6020B**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Calcium	**54**		**5.0**	**mg/L**	10	6/17/2020 07:58 PM
Magnesium	**19**		**2.0**	**mg/L**	10	6/17/2020 07:58 PM
Sodium	**110**		**2.0**	**mg/L**	10	6/17/2020 07:58 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **STP**
Sodium Adsorption Ratio	**3.1**		**0.010**	**none**	1	6/17/2020
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			**SW8270E**	Prep: SW3546 6/17/20 18:18		Analyst: **EEW**
Acenaphthene	ND		0.0045	mg/Kg-dry	1	6/20/2020 03:03 AM
Anthracene	ND		0.0045	mg/Kg-dry	1	6/20/2020 03:03 AM
Benzo(a)anthracene	ND		0.0045	mg/Kg-dry	1	6/20/2020 03:03 AM
Benzo(a)pyrene	ND		0.0045	mg/Kg-dry	1	6/20/2020 03:03 AM
Benzo(b)fluoranthene	ND		0.0045	mg/Kg-dry	1	6/20/2020 03:03 AM
Benzo(k)fluoranthene	ND		0.0045	mg/Kg-dry	1	6/20/2020 03:03 AM
Chrysene	ND		0.0045	mg/Kg-dry	1	6/20/2020 03:03 AM
Dibenzo(a,h)anthracene	ND		0.0045	mg/Kg-dry	1	6/20/2020 03:03 AM
Fluoranthene	ND		0.0045	mg/Kg-dry	1	6/20/2020 03:03 AM

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

Client: LT Environmental, Inc
Project: Stranahan 21B-27 **Work Order:** 20061198
Sample ID: W-S. WALL @ 6.5' **Lab ID:** 20061198-11
Collection Date: 6/12/2020 11:42 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.0045	mg/Kg-dry	1	6/20/2020 03:03 AM
Indeno(1,2,3-cd)pyrene	ND		0.0045	mg/Kg-dry	1	6/20/2020 03:03 AM
Naphthalene	ND		0.0045	mg/Kg-dry	1	6/20/2020 03:03 AM
Pyrene	ND		0.0045	mg/Kg-dry	1	6/20/2020 03:03 AM
Surr: 2-Fluorobiphenyl	*59.2*		*20-140*	*%REC*	1	6/20/2020 03:03 AM
Surr: 4-Terphenyl-d14	*72.4*		*22-172*	*%REC*	1	6/20/2020 03:03 AM
Surr: Nitrobenzene-d5	*60.3*		*28-140*	*%REC*	1	6/20/2020 03:03 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260C**	Prep: SW5035 6/15/20 14:43		Analyst: **MF**
Benzene	ND		0.028	mg/Kg-dry	1	6/17/2020 01:47 AM
Ethylbenzene	ND		0.028	mg/Kg-dry	1	6/17/2020 01:47 AM
m,p-Xylene	ND		0.056	mg/Kg-dry	1	6/17/2020 01:47 AM
o-Xylene	ND		0.028	mg/Kg-dry	1	6/17/2020 01:47 AM
Toluene	ND		0.028	mg/Kg-dry	1	6/17/2020 01:47 AM
Xylenes, Total	ND		0.085	mg/Kg-dry	1	6/17/2020 01:47 AM
Surr: 1,2-Dichloroethane-d4	*102*		*70-130*	*%REC*	1	6/17/2020 01:47 AM
Surr: 4-Bromofluorobenzene	*104*		*70-130*	*%REC*	1	6/17/2020 01:47 AM
Surr: Dibromofluoromethane	*91.5*		*70-130*	*%REC*	1	6/17/2020 01:47 AM
Surr: Toluene-d8	*99.0*		*70-130*	*%REC*	1	6/17/2020 01:47 AM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 6/17/20 15:34		Analyst: **QTN**
Electrical Conductivity @ Saturation	**0.52**		**0.10**	**mmhos/cm @2**	20	6/18/2020 01:52 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**9.7**		**1.1**	**mg/Kg-dry**	1	6/18/2020 05:20 PM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 6/18/20 07:00		Analyst: **KTP**
Chromium, Hexavalent	ND		1.1	mg/Kg-dry	1	6/18/2020 03:15 PM
MOISTURE			**SW3550C**			Analyst: **KTP**
Moisture	**9.3**		**0.10**	**% of sample**	1	6/16/2020 01:59 PM
PH			**SW9045D**	Prep: EXTRACT 6/15/20 20:32		Analyst: **QTN**
pH	**8.56**		**0.100**	**s.u.**	1	6/16/2020 12:37 PM
Temperature	**20.4**		**0.100**	**°C**	1	6/16/2020 12:37 PM

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

ALS Group, USA

Date: 23-Jun-20

Client: LT Environmental, Inc

Work Order: 20061198

Project: Stranahan 21B-27

QC BATCH REPORT

Batch ID: **157590** Instrument ID **GC8** Method: **SW8015D**

MBLK	Sample ID: **DBLKS1-157590-157590**			Units: **mg/Kg**			Analysis Date: **6/17/2020 05:46 PM**			
Client ID:	Run ID: **GC8_200617A**			SeqNo: **6492584**			Prep Date: **6/17/2020**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	4.643	10								J
Surr: 4-Terphenyl-d14	*2.875*	0	*3.33*	0	*86.3*	*33-111*	0			

LCS	Sample ID: **DLCSS1-157590-157590**			Units: **mg/Kg**			Analysis Date: **6/17/2020 06:25 PM**			
Client ID:	Run ID: **GC8_200617A**			SeqNo: **6492585**			Prep Date: **6/17/2020**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	343.4	10	333	0	103	80-121	0			
Surr: 4-Terphenyl-d14	*2.186*	0	*3.33*	0	*65.6*	*33-111*	0			

MS	Sample ID: **20061198-03A MS**			Units: **mg/Kg**			Analysis Date: **6/17/2020 07:04 PM**			
Client ID: **W. BOTTOM @ 7.5'**	Run ID: **GC8_200617A**			SeqNo: **6492586**			Prep Date: **6/17/2020**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	350.7	9.9	329.2	3.893	105	80-121	0			
Surr: 4-Terphenyl-d14	*2.708*	0	*3.292*	0	*82.2*	*33-111*	0			

MSD	Sample ID: **20061198-03A MSD**			Units: **mg/Kg**			Analysis Date: **6/17/2020 07:42 PM**			
Client ID: **W. BOTTOM @ 7.5'**	Run ID: **GC8_200617A**			SeqNo: **6492587**			Prep Date: **6/17/2020**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	320.5	9.8	326.3	3.893	97	80-121	350.7	9.01	30	
Surr: 4-Terphenyl-d14	*2.408*	0	*3.263*	0	*73.8*	*33-111*	2.708	*11.7*	*30*	

The following samples were analyzed in this batch:

20061198-01A	20061198-02A	20061198-03A
20061198-04A	20061198-05A	20061198-06A
20061198-07A	20061198-08A	20061198-09A
20061198-10A	20061198-11A	

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

Client: LT Environmental, Inc
Work Order: 20061198
Project: Stranahan 21B-27

QC BATCH REPORT

Batch ID: **157464** Instrument ID **GC9** Method: **SW8015D**

MBLK	Sample ID: **MBLK-157464-157464**				Units: **µg/Kg-dry**			Analysis Date: **6/16/2020 10:54 PM**			
Client ID:	Run ID: **GC9_200616A**				SeqNo: **6489915**			Prep Date: **6/15/2020**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	ND	5,000	0	0	0		0			
Surr: Toluene-d8	*4874*	0	*5000*	0	*97.5*	*71-123*	0			

LCS	Sample ID: **LCS-157464-157464**				Units: **µg/Kg-dry**			Analysis Date: **6/16/2020 10:09 PM**			
Client ID:	Run ID: **GC9_200616A**				SeqNo: **6489871**			Prep Date: **6/15/2020**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	204300	5,000	250000	0	81.7	71-123	0			
Surr: Toluene-d8	*4501*	0	*5000*	0	*90*	*71-123*	0			

MS	Sample ID: **20061198-03A MS**				Units: **µg/Kg-dry**			Analysis Date: **6/17/2020 03:00 AM**			
Client ID: **W. BOTTOM @ 7.5'**	Run ID: **GC9_200616A**				SeqNo: **6489926**			Prep Date: **6/15/2020**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	270700	6,500	324400	0	83.4	71-123	0			
Surr: Toluene-d8	*5785*	0	*6489*	0	*89.2*	*71-123*	0			

MSD	Sample ID: **20061198-03A MSD**				Units: **µg/Kg-dry**			Analysis Date: **6/17/2020 03:22 AM**			
Client ID: **W. BOTTOM @ 7.5'**	Run ID: **GC9_200616A**				SeqNo: **6489927**			Prep Date: **6/15/2020**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	229100	6,400	321900	0	71.2	71-123	270700	16.6	30	
Surr: Toluene-d8	*5705*	0	*6437*	0	*88.6*	*71-123*	5785	*1.39*	*30*	

The following samples were analyzed in this batch:

20061198-01A	20061198-02A	20061198-03A
20061198-04A	20061198-05A	20061198-06A
20061198-07A	20061198-08A	20061198-09A
20061198-10A	20061198-11A	

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

Client: LT Environmental, Inc
Work Order: 20061198
Project: Stranahan 21B-27

QC BATCH REPORT

Batch ID: **157503** Instrument ID **HG4** Method: **SW7471B**

MBLK Sample ID: **MBLK-157503-157503** Units: **mg/Kg** Analysis Date: **6/16/2020 05:19 PM**
Client ID: Run ID: **HG4_200616A** SeqNo: **6487862** Prep Date: **6/16/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.020								

LCS Sample ID: **LCS-157503-157503** Units: **mg/Kg** Analysis Date: **6/16/2020 05:21 PM**
Client ID: Run ID: **HG4_200616A** SeqNo: **6487863** Prep Date: **6/16/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1867	0.020	0.1665	0	112	80-120	0			

MS Sample ID: **20061151-25BMS** Units: **mg/Kg** Analysis Date: **6/16/2020 03:30 PM**
Client ID: Run ID: **HG4_200616A** SeqNo: **6487810** Prep Date: **6/16/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.3652	0.019	0.1566	0.2266	88.5	75-125	0			E

MSD Sample ID: **20061151-25BMSD** Units: **mg/Kg** Analysis Date: **6/16/2020 03:32 PM**
Client ID: Run ID: **HG4_200616A** SeqNo: **6487811** Prep Date: **6/16/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.3617	0.019	0.1561	0.2266	86.6	75-125	0.3652	0.959	35	E

The following samples were analyzed in this batch:

20061198-01A	20061198-02A	20061198-03A
20061198-04A	20061198-05A	20061198-06A
20061198-07A	20061198-08A	20061198-09A
20061198-10A	20061198-11A	

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

Client: LT Environmental, Inc
Work Order: 20061198
Project: Stranahan 21B-27

QC BATCH REPORT

Batch ID: **157511** Instrument ID **ICPMS3** Method: **SW6020B**

MBLK Sample ID: **MBLK-157511-157511** Units: **mg/Kg** Analysis Date: **6/16/2020 07:19 PM**
Client ID: Run ID: **ICPMS3_200616B** SeqNo: **6489723** Prep Date: **6/16/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	ND	0.25								
Cadmium	ND	0.10								
Chromium	ND	0.25								
Copper	ND	0.25								
Lead	ND	0.25								
Nickel	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	ND	0.50								

LCS Sample ID: **LCS-157511-157511** Units: **mg/Kg** Analysis Date: **6/16/2020 07:21 PM**
Client ID: Run ID: **ICPMS3_200616B** SeqNo: **6489724** Prep Date: **6/16/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	5.018	0.25	5	0	100	80-120	0			
Barium	5.075	0.25	5	0	102	80-120	0			
Cadmium	5.063	0.10	5	0	101	80-120	0			
Chromium	5.172	0.25	5	0	103	80-120	0			
Copper	5.245	0.25	5	0	105	80-120	0			
Lead	5.111	0.25	5	0	102	80-120	0			
Nickel	5.198	0.25	5	0	104	80-120	0			
Selenium	5.005	0.25	5	0	100	80-120	0			
Silver	5.076	0.25	5	0	102	80-120	0			
Zinc	5.058	0.50	5	0	101	80-120	0			

MS Sample ID: **20061295-05BMS** Units: **mg/Kg** Analysis Date: **6/16/2020 08:07 PM**
Client ID: Run ID: **ICPMS3_200616B** SeqNo: **6489749** Prep Date: **6/16/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	190.7	0.40	7.974	137.1	672	75-125	0			SEO
Barium	130.2	0.40	7.974	154	-299	75-125	0			SO
Cadmium	8.106	0.16	7.974	0.4001	96.6	75-125	0			
Chromium	20.68	0.40	7.974	11.75	112	75-125	0			
Copper	69.38	0.40	7.974	67.13	28.1	75-125	0			SO
Lead	120.4	0.40	7.974	103.5	213	75-125	0			SO
Nickel	16.84	0.40	7.974	9.062	97.6	75-125	0			
Selenium	7.451	0.40	7.974	0.3632	88.9	75-125	0			
Silver	7.701	0.40	7.974	0.1173	95.1	75-125	0			
Zinc	178.9	0.80	7.974	136.3	534	75-125	0			SEO

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

Client: LT Environmental, Inc
Work Order: 20061198
Project: Stranahan 21B-27

QC BATCH REPORT

Batch ID: **157511** Instrument ID **ICPMS3** Method: **SW6020B**

MSD Sample ID: **20061295-05BMSD** Units: **mg/Kg** Analysis Date: **6/16/2020 08:09 PM**

Client ID: Run ID: **ICPMS3_200616B** SeqNo: **6489750** Prep Date: **6/16/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	137.3	0.40	7.936	137.1	1.98	75-125	190.7	32.6	20	SRO
Barium	167.6	0.40	7.936	154	171	75-125	130.2	25.1	20	SREO
Cadmium	7.581	0.16	7.936	0.4001	90.5	75-125	8.106	6.69	20	
Chromium	20.51	0.40	7.936	11.75	110	75-125	20.68	0.867	20	
Copper	46.82	0.40	7.936	67.13	-256	75-125	69.38	38.8	20	SRO
Lead	106.4	0.40	7.936	103.5	36.5	75-125	120.4	12.4	20	SO
Nickel	18.38	0.40	7.936	9.062	117	75-125	16.84	8.74	20	
Selenium	7.517	0.40	7.936	0.3632	90.1	75-125	7.451	0.878	20	
Silver	7.121	0.40	7.936	0.1173	88.2	75-125	7.701	7.82	20	
Zinc	124.5	0.79	7.936	136.3	-148	75-125	178.9	35.8	20	SRO

The following samples were analyzed in this batch:

20061198-01A	20061198-02A	20061198-03A
20061198-04A	20061198-05A	20061198-06A
20061198-07A	20061198-08A	20061198-09A
20061198-10A	20061198-11A	

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

Client: LT Environmental, Inc
Work Order: 20061198
Project: Stranahan 21B-27

QC BATCH REPORT

Batch ID: **157622** Instrument ID **ICPMS4** Method: **SW6020B**

DUP Sample ID: **20061198-04ADUP** Units: **mg/L** Analysis Date: **6/18/2020 01:33 PM**

Client ID: **W. WALL @ 6.5'** Run ID: **ICPMS4_200618A** SeqNo: **6494222** Prep Date: **6/17/2020** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	19.68	5.0	0	0	0	0-0	18.52	6.12		
Magnesium	5.165	2.0	0	0	0	0-0	4.578	12.1		
Sodium	129.4	2.0	0	0	0	0-0	122.3	5.66		

The following samples were analyzed in this batch:

20061198-01A	20061198-02A	20061198-03A
20061198-04A	20061198-05A	20061198-06A
20061198-07A	20061198-08A	20061198-09A
20061198-10A	20061198-11A	

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

Client: LT Environmental, Inc
Work Order: 20061198
Project: Stranahan 21B-27

QC BATCH REPORT

Batch ID: **157746** Instrument ID **ICPMS3** Method: **SW6020B**

DUP Sample ID: **20061476-03BDUP** Units: **mg/L** Analysis Date: **6/19/2020 01:55 PM**

Client ID: Run ID: **ICPMS3_200619A** SeqNo: **6497679** Prep Date: **6/19/2020** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	329.6	5.0	0	0	0	0-0	352.3	6.65		
Magnesium	51.28	2.0	0	0	0	0-0	53.86	4.91		
Sodium	287.5	2.0	0	0	0	0-0	293.3	2.01		

The following samples were analyzed in this batch: 20061198-10A

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

Client: LT Environmental, Inc
Work Order: 20061198
Project: Stranahan 21B-27

QC BATCH REPORT

Batch ID: **157622** Instrument ID **SAR** Method: **USDA H60 Metho**

DUP	Sample ID: **20061198-04ADUP**				Units: **none**		Analysis Date: **6/17/2020**			
Client ID: **W. WALL @ 6.5'**	Run ID: **SAR_200617A**				SeqNo: **6494315**		Prep Date: **6/17/2020**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	6.711	0.010	0	0	0		6.596	1.72	50	

The following samples were analyzed in this batch:

20061198-01A	20061198-02A	20061198-03A
20061198-04A	20061198-05A	20061198-06A
20061198-07A	20061198-08A	20061198-09A
20061198-10A	20061198-11A	

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

Client: LT Environmental, Inc
Work Order: 20061198
Project: Stranahan 21B-27

QC BATCH REPORT

Batch ID: **157524** Instrument ID **SVMS6** Method: **SW8270E**

MBLK	Sample ID: **SBLKS1-157524-157524**			Units: **µg/Kg**			Analysis Date: **6/16/2020 05:38 PM**			
Client ID:	Run ID: **SVMS6_200616A**			SeqNo: **6489398**			Prep Date: **6/16/2020**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	4.2								
Anthracene	ND	4.2								
Benzo(a)anthracene	ND	4.2								
Benzo(a)pyrene	ND	4.2								
Benzo(b)fluoranthene	ND	4.2								
Benzo(k)fluoranthene	ND	4.2								
Chrysene	ND	4.2								
Dibenzo(a,h)anthracene	ND	4.2								
Fluoranthene	ND	4.2								
Fluorene	ND	4.2								
Indeno(1,2,3-cd)pyrene	ND	4.2								
Naphthalene	ND	4.2								
Pyrene	ND	4.2								
Surr: 2-Fluorobiphenyl	*2844*	0	*3333*	0	*85.3*	*20-140*	0			
Surr: 4-Terphenyl-d14	*3266*	0	*3333*	0	*98*	*22-172*	0			
Surr: Nitrobenzene-d5	*2454*	0	*3333*	0	*73.6*	*28-140*	0			

LCS	Sample ID: **SLCSS1-157524-157524**			Units: **µg/Kg**			Analysis Date: **6/16/2020 05:54 PM**			
Client ID:	Run ID: **SVMS6_200616A**			SeqNo: **6489399**			Prep Date: **6/16/2020**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	983.3	4.2	1333	0	73.8	40-140	0			
Anthracene	1142	4.2	1333	0	85.7	40-140	0			
Benzo(a)anthracene	1139	4.2	1333	0	85.4	40-140	0			
Benzo(a)pyrene	1120	4.2	1333	0	84	40-140	0			
Benzo(b)fluoranthene	1055	4.2	1333	0	79.1	40-140	0			
Benzo(k)fluoranthene	1094	4.2	1333	0	82.1	40-140	0			
Chrysene	1100	4.2	1333	0	82.5	40-140	0			
Dibenzo(a,h)anthracene	1168	4.2	1333	0	87.6	40-140	0			
Fluoranthene	1117	4.2	1333	0	83.8	40-140	0			
Fluorene	1070	4.2	1333	0	80.3	40-140	0			
Indeno(1,2,3-cd)pyrene	1219	4.2	1333	0	91.5	40-140	0			
Naphthalene	1050	4.2	1333	0	78.8	40-140	0			
Pyrene	1176	4.2	1333	0	88.2	40-140	0			
Surr: 2-Fluorobiphenyl	*983.5*	0	*3333*	0	*29.5*	*20-140*	0			
Surr: 4-Terphenyl-d14	*3097*	0	*3333*	0	*92.9*	*22-172*	0			
Surr: Nitrobenzene-d5	*1863*	0	*3333*	0	*55.9*	*28-140*	0			

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

Client: LT Environmental, Inc
Work Order: 20061198
Project: Stranahan 21B-27

QC BATCH REPORT

Batch ID: **157524** Instrument ID **SVMS6** Method: **SW8270E**

MS Sample ID: **20061295-05B MS** Units: **µg/Kg** Analysis Date: **6/16/2020 06:09 PM**
Client ID: Run ID: **SVMS6_200616A** SeqNo: **6489400** Prep Date: **6/16/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1041	4.2	1332	0	78.2	40-140	0			
Anthracene	1198	4.2	1332	6.43	89.4	40-140	0			
Benzo(a)anthracene	1160	4.2	1332	15.39	86	40-140	0			
Benzo(a)pyrene	990.7	4.2	1332	12.41	73.5	40-140	0			
Benzo(b)fluoranthene	1008	4.2	1332	23.93	73.9	40-140	0			
Benzo(k)fluoranthene	985.7	4.2	1332	20.37	72.5	40-140	0			
Chrysene	1123	4.2	1332	15.78	83.2	40-140	0			
Dibenzo(a,h)anthracene	920.7	4.2	1332	5.251	68.7	40-140	0			
Fluoranthene	1244	4.2	1332	27.27	91.4	40-140	0			
Fluorene	1121	4.2	1332	0	84.2	40-140	0			
Indeno(1,2,3-cd)pyrene	935	4.2	1332	8.972	69.5	40-140	0			
Naphthalene	1126	4.2	1332	0	84.5	40-140	0			
Pyrene	1362	4.2	1332	27.25	100	40-140	0			
Surr: 2-Fluorobiphenyl	*2821*	0	*3330*	0	*84.7*	*20-140*	0			
Surr: 4-Terphenyl-d14	*3217*	0	*3330*	0	*96.6*	*22-172*	0			
Surr: Nitrobenzene-d5	*2589*	0	*3330*	0	*77.8*	*28-140*	0			

MSD Sample ID: **20061295-05B MSD** Units: **µg/Kg** Analysis Date: **6/16/2020 06:25 PM**
Client ID: Run ID: **SVMS6_200616A** SeqNo: **6489401** Prep Date: **6/16/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1036	4.2	1328	0	78	40-140	1041	0.46	30	
Anthracene	1194	4.2	1328	6.43	89.4	40-140	1198	0.307	30	
Benzo(a)anthracene	1129	4.2	1328	15.39	83.8	40-140	1160	2.79	30	
Benzo(a)pyrene	955.6	4.2	1328	12.41	71	40-140	990.7	3.6	30	
Benzo(b)fluoranthene	1018	4.2	1328	23.93	74.9	40-140	1008	1	30	
Benzo(k)fluoranthene	910.9	4.2	1328	20.37	67.1	40-140	985.7	7.89	30	
Chrysene	1065	4.2	1328	15.78	79	40-140	1123	5.31	30	
Dibenzo(a,h)anthracene	891.4	4.2	1328	5.251	66.7	40-140	920.7	3.23	30	
Fluoranthene	1178	4.2	1328	27.27	86.6	40-140	1244	5.47	30	
Fluorene	1120	4.2	1328	0	84.3	40-140	1121	0.112	30	
Indeno(1,2,3-cd)pyrene	899.9	4.2	1328	8.972	67.1	40-140	935	3.82	30	
Naphthalene	1115	4.2	1328	0	84	40-140	1126	0.95	30	
Pyrene	1278	4.2	1328	27.25	94.2	40-140	1362	6.36	30	
Surr: 2-Fluorobiphenyl	*2750*	0	*3321*	0	*82.8*	*20-140*	2821	*2.54*	*0*	
Surr: 4-Terphenyl-d14	*3108*	0	*3321*	0	*93.6*	*22-172*	3217	*3.44*	*0*	
Surr: Nitrobenzene-d5	*2570*	0	*3321*	0	*77.4*	*28-140*	2589	*0.74*	*0*	

The following samples were analyzed in this batch: 20061198-01A 20061198-02A 20061198-03A

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

Batch ID: **157613** Instrument ID **SVMS6** Method: **SW8270E**

MBLK Sample ID: **SBLKS1-157613-157613** Units: **µg/Kg** Analysis Date: **6/19/2020 07:51 PM**

Client ID: Run ID: **SVMS6_200619A** SeqNo: **6500844** Prep Date: **6/17/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	4.2								
Anthracene	ND	4.2								
Benzo(a)anthracene	ND	4.2								
Benzo(a)pyrene	ND	4.2								
Benzo(b)fluoranthene	ND	4.2								
Benzo(k)fluoranthene	ND	4.2								
Chrysene	ND	4.2								
Dibenzo(a,h)anthracene	ND	4.2								
Fluoranthene	ND	4.2								
Fluorene	ND	4.2								
Indeno(1,2,3-cd)pyrene	ND	4.2								
Naphthalene	ND	4.2								
Pyrene	ND	4.2								
Surr: 2-Fluorobiphenyl	*2707*	0	*3333*	0	*81.2*	*20-140*	0			
Surr: 4-Terphenyl-d14	*3346*	0	*3333*	0	*100*	*22-172*	0			
Surr: Nitrobenzene-d5	*2581*	0	*3333*	0	*77.4*	*28-140*	0			

LCS Sample ID: **SLCSS1-157613-157613** Units: **µg/Kg** Analysis Date: **6/19/2020 08:06 PM**

Client ID: Run ID: **SVMS6_200619A** SeqNo: **6500845** Prep Date: **6/17/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1001	4.2	1333	0	75.1	40-140	0			
Anthracene	1088	4.2	1333	0	81.7	40-140	0			
Benzo(a)anthracene	1105	4.2	1333	0	82.9	40-140	0			
Benzo(a)pyrene	1067	4.2	1333	0	80.1	40-140	0			
Benzo(b)fluoranthene	1006	4.2	1333	0	75.5	40-140	0			
Benzo(k)fluoranthene	992.1	4.2	1333	0	74.4	40-140	0			
Chrysene	1110	4.2	1333	0	83.3	40-140	0			
Dibenzo(a,h)anthracene	1347	4.2	1333	0	101	40-140	0			
Fluoranthene	1054	4.2	1333	0	79.1	40-140	0			
Fluorene	1063	4.2	1333	0	79.7	40-140	0			
Indeno(1,2,3-cd)pyrene	1371	4.2	1333	0	103	40-140	0			
Naphthalene	1128	4.2	1333	0	84.6	40-140	0			
Pyrene	1029	4.2	1333	0	77.2	40-140	0			
Surr: 2-Fluorobiphenyl	*2695*	0	*3333*	0	*80.9*	*20-140*	0			
Surr: 4-Terphenyl-d14	*3554*	0	*3333*	0	*107*	*22-172*	0			
Surr: Nitrobenzene-d5	*2169*	0	*3333*	0	*65.1*	*28-140*	0			

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

Client: LT Environmental, Inc
Work Order: 20061198
Project: Stranahan 21B-27

QC BATCH REPORT

Batch ID: **157613** Instrument ID **SVMS6** Method: **SW8270E**

MS Sample ID: **20061198-05A MS** Units: **µg/Kg** Analysis Date: **6/19/2020 11:58 PM**

Client ID: **S-E. WALL @ 4.5'** Run ID: **SVMS6_200619A** SeqNo: **6500847** Prep Date: **6/17/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1011	4.1	1318	0	76.7	40-140	0			
Anthracene	1089	4.1	1318	0	82.7	40-140	0			
Benzo(a)anthracene	1083	4.1	1318	0	82.2	40-140	0			
Benzo(a)pyrene	1036	4.1	1318	0	78.6	40-140	0			
Benzo(b)fluoranthene	1007	4.1	1318	0	76.4	40-140	0			
Benzo(k)fluoranthene	987.7	4.1	1318	0	75	40-140	0			
Chrysene	1087	4.1	1318	0	82.5	40-140	0			
Dibenzo(a,h)anthracene	1174	4.1	1318	0	89.1	40-140	0			
Fluoranthene	1004	4.1	1318	0	76.2	40-140	0			
Fluorene	1047	4.1	1318	3.912	79.1	40-140	0			
Indeno(1,2,3-cd)pyrene	1166	4.1	1318	0	88.5	40-140	0			
Naphthalene	1166	4.1	1318	0	88.5	40-140	0			
Pyrene	1130	4.1	1318	0	85.8	40-140	0			
Surr: 2-Fluorobiphenyl	*2704*	0	*3295*	0	*82.1*	*20-140*	0			
Surr: 4-Terphenyl-d14	*3795*	0	*3295*	0	*115*	*22-172*	0			
Surr: Nitrobenzene-d5	*2673*	0	*3295*	0	*81.1*	*28-140*	0			

MSD Sample ID: **20061198-05A MSD** Units: **µg/Kg** Analysis Date: **6/20/2020 12:13 AM**

Client ID: **S-E. WALL @ 4.5'** Run ID: **SVMS6_200619A** SeqNo: **6500848** Prep Date: **6/17/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	968.8	4.1	1317	0	73.6	40-140	1011	4.27	30	
Anthracene	1036	4.1	1317	0	78.6	40-140	1089	5.05	30	
Benzo(a)anthracene	1011	4.1	1317	0	76.8	40-140	1083	6.83	30	
Benzo(a)pyrene	933.2	4.1	1317	0	70.9	40-140	1036	10.4	30	
Benzo(b)fluoranthene	923.4	4.1	1317	0	70.1	40-140	1007	8.66	30	
Benzo(k)fluoranthene	922.5	4.1	1317	0	70	40-140	987.7	6.82	30	
Chrysene	1012	4.1	1317	0	76.8	40-140	1087	7.11	30	
Dibenzo(a,h)anthracene	1093	4.1	1317	0	83	40-140	1174	7.17	30	
Fluoranthene	956.7	4.1	1317	0	72.6	40-140	1004	4.78	30	
Fluorene	998.9	4.1	1317	3.912	75.5	40-140	1047	4.66	30	
Indeno(1,2,3-cd)pyrene	1078	4.1	1317	0	81.8	40-140	1166	7.89	30	
Naphthalene	1159	4.1	1317	0	88	40-140	1166	0.627	30	
Pyrene	1073	4.1	1317	0	81.5	40-140	1130	5.22	30	
Surr: 2-Fluorobiphenyl	*2620*	0	*3293*	0	*79.6*	*20-140*	2704	*3.17*	*0*	
Surr: 4-Terphenyl-d14	*3557*	0	*3293*	0	*108*	*22-172*	3795	*6.47*	*0*	
Surr: Nitrobenzene-d5	*2661*	0	*3293*	0	*80.8*	*28-140*	2673	*0.454*	*0*	

The following samples were analyzed in this batch:

20061198-04A	20061198-05A	20061198-06A
20061198-07A	20061198-08A	20061198-09A
20061198-10A	20061198-11A	

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

Client: LT Environmental, Inc
Work Order: 20061198
Project: Stranahan 21B-27

QC BATCH REPORT

Batch ID: **157462** Instrument ID **VMS8** Method: **SW8260C**

MBLK Sample ID: **MBLK-157462-157462** Units: **µg/Kg-dry** Analysis Date: **6/16/2020 08:39 PM**
Client ID: Run ID: **VMS8_200616B** SeqNo: **6488954** Prep Date: **6/15/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30								
Ethylbenzene	ND	30								
m,p-Xylene	ND	60								
o-Xylene	ND	30								
Toluene	ND	30								
Xylenes, Total	ND	90								
Surr: 1,2-Dichloroethane-d4	*1004*	0	*1000*	0	*100*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1008*	0	*1000*	0	*101*	*70-130*	0			
Surr: Dibromofluoromethane	*990.5*	0	*1000*	0	*99*	*70-130*	0			
Surr: Toluene-d8	*952*	0	*1000*	0	*95.2*	*70-130*	0			

LCS Sample ID: **LCS-157462-157462** Units: **µg/Kg-dry** Analysis Date: **6/16/2020 07:50 PM**
Client ID: Run ID: **VMS8_200616B** SeqNo: **6488953** Prep Date: **6/15/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1031	30	1000	0	103	75-125	0			
Ethylbenzene	1044	30	1000	0	104	75-125	0			
m,p-Xylene	2090	60	2000	0	104	80-125	0			
o-Xylene	1014	30	1000	0	101	75-125	0			
Toluene	1034	30	1000	0	103	70-125	0			
Xylenes, Total	3104	90	3000	0	103	75-125	0			
Surr: 1,2-Dichloroethane-d4	*947.5*	0	*1000*	0	*94.8*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1004*	0	*1000*	0	*100*	*70-130*	0			
Surr: Dibromofluoromethane	*997.5*	0	*1000*	0	*99.8*	*70-130*	0			
Surr: Toluene-d8	*1004*	0	*1000*	0	*100*	*70-130*	0			

MS Sample ID: **20061198-03A MS** Units: **µg/Kg-dry** Analysis Date: **6/17/2020 02:52 AM**
Client ID: **W. BOTTOM @ 7.5'** Run ID: **VMS8_200616B** SeqNo: **6488967** Prep Date: **6/15/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1011	30	999	0	101	75-125	0			
Ethylbenzene	992	30	999	0	99.3	75-125	0			
m,p-Xylene	2006	60	1998	0	100	80-125	0			
o-Xylene	963.5	30	999	0	96.5	75-125	0			
Toluene	982	30	999	0	98.3	70-125	0			
Xylenes, Total	2970	90	2997	0	99.1	75-125	0			
Surr: 1,2-Dichloroethane-d4	*1012*	0	*999*	0	*101*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1026*	0	*999*	0	*103*	*70-130*	0			
Surr: Dibromofluoromethane	*958*	0	*999*	0	*95.9*	*70-130*	0			
Surr: Toluene-d8	*974.5*	0	*999*	0	*97.5*	*70-130*	0			

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

Client: LT Environmental, Inc
Work Order: 20061198
Project: Stranahan 21B-27

QC BATCH REPORT

Batch ID: **157462** Instrument ID **VMS8** Method: **SW8260C**

MSD Sample ID: **20061198-03A MSD** Units: **µg/Kg-dry** Analysis Date: **6/17/2020 03:08 AM**
Client ID: **W. BOTTOM @ 7.5'** Run ID: **VMS8_200616B** SeqNo: **6488968** Prep Date: **6/15/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1046	30	990.1	0	106	75-125	1011	3.31	30	
Ethylbenzene	1046	30	990.1	0	106	75-125	992	5.3	30	
m,p-Xylene	2081	59	1980	0	105	80-125	2006	3.65	30	
o-Xylene	1010	30	990.1	0	102	75-125	963.5	4.7	30	
Toluene	1023	30	990.1	0	103	70-125	982	4.11	30	
Xylenes, Total	3091	89	2970	0	104	75-125	2970	3.99	30	
Surr: 1,2-Dichloroethane-d4	*963.4*	0	*990.1*	0	*97.3*	*70-130*	1012	*4.92*	*30*	
Surr: 4-Bromofluorobenzene	*1011*	0	*990.1*	0	*102*	*70-130*	1026	*1.53*	*30*	
Surr: Dibromofluoromethane	*935.6*	0	*990.1*	0	*94.5*	*70-130*	958	*2.37*	*30*	
Surr: Toluene-d8	*957.9*	0	*990.1*	0	*96.8*	*70-130*	974.5	*1.72*	*30*	

The following samples were analyzed in this batch:

20061198-01A	20061198-02A	20061198-03A
20061198-04A	20061198-05A	20061198-06A
20061198-07A	20061198-08A	20061198-09A
20061198-10A	20061198-11A	

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

Client: LT Environmental, Inc
Work Order: 20061198
Project: Stranahan 21B-27

QC BATCH REPORT

Batch ID: **157489** Instrument ID **WETCHEM** Method: **SW9045D**

LCS Sample ID: **LCS-157489-157489** Units: **s.u.** Analysis Date: **6/16/2020 12:37 PM**
Client ID: Run ID: **WETCHEM_200616H** SeqNo: **6486687** Prep Date: **6/15/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	4.03	0.10	4	0	101	90-110	0			

DUP Sample ID: **20061198-01A DUP** Units: **s.u.** Analysis Date: **6/16/2020 12:37 PM**
Client ID: **POR BOTTOM @ 6.5'** Run ID: **WETCHEM_200616H** SeqNo: **6486690** Prep Date: **6/15/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	9.85	0.10	0	0	0	0-0	9.84	0.102	20	
Temperature	20.2	0.10	0	0	0		20.2	0		

DUP Sample ID: **20061198-10A DUP** Units: **s.u.** Analysis Date: **6/16/2020 12:37 PM**
Client ID: **W-N. WALL @ 6.5'** Run ID: **WETCHEM_200616H** SeqNo: **6486700** Prep Date: **6/15/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.78	0.10	0	0	0	0-0	8.8	0.228	20	
Temperature	20.4	0.10	0	0	0		20.4	0		

The following samples were analyzed in this batch:

20061198-01A	20061198-02A	20061198-03A
20061198-04A	20061198-05A	20061198-06A
20061198-07A	20061198-08A	20061198-09A
20061198-10A	20061198-11A	

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

Client: LT Environmental, Inc
Work Order: 20061198
Project: Stranahan 21B-27

QC BATCH REPORT

Batch ID: **157620** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK Sample ID: **MBLK-157620-157620** Units: **mg/Kg** Analysis Date: **6/17/2020 02:50 PM**
Client ID: Run ID: **WETCHEM_200617N** SeqNo: **6490427** Prep Date: **6/17/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	ND	1.0								

LCS Sample ID: **LCS-157620-157620** Units: **mg/Kg** Analysis Date: **6/17/2020 02:50 PM**
Client ID: Run ID: **WETCHEM_200617N** SeqNo: **6490428** Prep Date: **6/17/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	4.63	1.0	5	0	92.6	80-120	0			

MS Sample ID: **20061198-05A MS** Units: **mg/Kg** Analysis Date: **6/17/2020 02:50 PM**
Client ID: **S-E. WALL @ 4.5'** Run ID: **WETCHEM_200617N** SeqNo: **6490434** Prep Date: **6/17/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.539	0.98	4.902	0.6667	17.8	75-125	0			S

MS Sample ID: **20061198-05A MSI** Units: **mg/Kg** Analysis Date: **6/17/2020 02:50 PM**
Client ID: **S-E. WALL @ 4.5'** Run ID: **WETCHEM_200617N** SeqNo: **6490436** Prep Date: **6/17/2020** DF: **100**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1800	100	1899	0.6667	94.8	75-125	0			

MSD Sample ID: **20061198-05A MSD** Units: **mg/Kg** Analysis Date: **6/17/2020 02:50 PM**
Client ID: **S-E. WALL @ 4.5'** Run ID: **WETCHEM_200617N** SeqNo: **6490435** Prep Date: **6/17/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.539	0.98	4.902	0.6667	17.8	75-125	1.539	0	20	S

The following samples were analyzed in this batch:

20061198-01A	20061198-02A	20061198-03A
20061198-04A	20061198-05A	20061198-06A
20061198-07A	20061198-08A	20061198-09A

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

Client: LT Environmental, Inc
Work Order: 20061198
Project: Stranahan 21B-27

QC BATCH REPORT

Batch ID: **157704** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK Sample ID: **MBLK-157704-157704** Units: **mg/Kg** Analysis Date: **6/18/2020 03:15 PM**
Client ID: Run ID: **WETCHEM_200618N** SeqNo: **6494590** Prep Date: **6/18/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	ND	0.99								

LCS Sample ID: **LCS-157704-157704** Units: **mg/Kg** Analysis Date: **6/18/2020 03:15 PM**
Client ID: Run ID: **WETCHEM_200618N** SeqNo: **6494591** Prep Date: **6/18/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	4.784	0.98	4.902	0	97.6	80-120	0			

MS Sample ID: **20061202-02A MS** Units: **mg/Kg** Analysis Date: **6/18/2020 03:15 PM**
Client ID: Run ID: **WETCHEM_200618N** SeqNo: **6494600** Prep Date: **6/18/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	2.912	0.98	4.902	0.2941	53.4	75-125	0			S

MS Sample ID: **20061202-02A MSI** Units: **mg/Kg** Analysis Date: **6/18/2020 03:15 PM**
Client ID: Run ID: **WETCHEM_200618N** SeqNo: **6494602** Prep Date: **6/18/2020** DF: **100**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	2399	100	2510	0.2941	95.6	75-125	0			

MSD Sample ID: **20061202-02A MSD** Units: **mg/Kg** Analysis Date: **6/18/2020 03:15 PM**
Client ID: Run ID: **WETCHEM_200618N** SeqNo: **6494601** Prep Date: **6/18/2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	3.167	0.98	4.902	0.2941	58.6	75-125	2.912	8.39	20	S

The following samples were analyzed in this batch: 20061198-10A 20061198-11A

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

Client: LT Environmental, Inc
Work Order: 20061198
Project: Stranahan 21B-27

QC BATCH REPORT

Batch ID: **R290858** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **WBLKS-R290858** Units: **% of sample** Analysis Date: **6/16/2020 01:59 PM**
Client ID: Run ID: **MOIST_200616C** SeqNo: **6488118** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.10								

LCS Sample ID: **LCS-R290858** Units: **% of sample** Analysis Date: **6/16/2020 01:59 PM**
Client ID: Run ID: **MOIST_200616C** SeqNo: **6488117** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	99.99	0.10	100	0	100	98-102	0			

DUP Sample ID: **20061198-03A DUP** Units: **% of sample** Analysis Date: **6/16/2020 01:59 PM**
Client ID: **W. BOTTOM @ 7.5'** Run ID: **MOIST_200616C** SeqNo: **6488103** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	13.42	0.10	0	0	0	0-0	13.41	0.0745	10	

DUP Sample ID: **20061198-04A DUP** Units: **% of sample** Analysis Date: **6/16/2020 01:59 PM**
Client ID: **W. WALL @ 6.5'** Run ID: **MOIST_200616C** SeqNo: **6488105** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	18.01	0.10	0	0	0	0-0	18.04	0.166	10	

The following samples were analyzed in this batch:

20061198-01A	20061198-02A	20061198-03A
20061198-04A	20061198-05A	20061198-06A
20061198-07A	20061198-08A	20061198-09A
20061198-10A	20061198-11A	

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

ALS Laboratory Group

CHAIN OF CUSTODY

Failure to complete all section of this form may delay analysis.

COC number (for client tra: 20061198

Page 1 of

CLIENT CONTACT AND REPORTING INFORMATION		INVOICE ADDRESS (if other than reporting address)	
Company Name:	LT Environmental	Company Name:	SAME
Project Manager:	Brittany Cocina	Contact Name:	SAME
Address:	820 Megan Ave, Unit B	Address:	SAME
Rifle, CO			
Phone:	970-285-9985	**PROJECT INFORMATION**	
Email 1:	bcocina@ltenv.com	Project ID:	59420005
Email 2:	cmckisson@ltenv.com	Site:	Stranahan 21B-27
SERVICE REQUEST (Express services subject to availability)		PO No:	
☑ Regular (default)		ALS Quote No:	
☐ Express			

ALS ID #	SAMPLE IDENTIFICATION (this description will appear on report)	MATRIX (a)	SAMPLING AND CONTAINER INFO			REMARKS	ANALYSIS REQUIRED (suite codes must be listed to attract su / CROSS THE REQUESTED ANALYSIS												
			Date	Time	Tot Bottle		BTEX	TPH (DRO/GRO)	EC, SAR, and pH	Table 910 PAHs	Table 910 Metals								
	POR BOTTOM @ 6.5'	SS	6/11/2020	1200	2		X	X	X	X	X								
	E. BOTTOM @ 6.5'	SS	6/11/2020	1210	2		X	X	X	X	X								
	W. BOTTOM @ 7.5'	SS	6/11/2020	1222	2		X	X	X	X	X								
	W. WALL @ 6.5'	SS	6/11/2020	1230	3		X	X	X	X	X								
	S- E. WALL @ 4.5'	SS	6/12/2020	836	2		X	X	X	X	X								
	N. WALL @ 6'	SS	6/12/2020	844	2		X	X	X	X	X								
	MID BOTTOM @ 8.5'	SS	6/12/2020	855	2		X	X	X	X	X								
	N - E. WALL @ 5'	SS	6/12/2020	950	2		X	X	X	X	X								
	S. WALL @ 5.5'	SS	6/12/2020	1016	2		X	X	X	X	X								
	W- N. WALL @ 6.5'	SS	6/12/2020	1144	2		X	X	X	X	X								
	W- S. WALL @ 6.5'	SS	6/12/2020	1142	2		X	X	X	X	X								

CLIENT SIGNATURES

Client's Signature: Brittany Cocina

Client's Date and Time of Completion: 6/12/2020 1530

For lab use only

Cooler Security Seal	Sample Temp	No of Cooler Received	Received by (lab)
☐ sealed	☐ chilled 3.4C deg °C	carton / cooler box	6/12/20 10:00
☐ broken	☐ ambient Stel	Courier Name	Committed by
☐ not available			

Note: (a) **DW** (Drinking water), **SW** (Surface water), **GW** (Ground water), **WW** (Waste water), **S** (Soil), **SL** (Sludge), **SE** (Sediment), **OS** (Other solid material)

ALS Group, USA

Sample Receipt Checklist

Client Name: **LTENV** Date/Time Received: **12-Jun-20 10:00**

Work Order: **20061198** Received by: **MJG**

Checklist completed by Matthew Gaylord (eSignature) 15-Jun-20 (Date) Reviewed by: Chad Whelton (eSignature) 15-Jun-20 (Date)

Matrices: Soil

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.4/3.4C	SR1	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	6/15/2020 9:01:27 AM		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction: