



02-Aug-2019

Chris McKisson
LT Environmental, Inc
820 Megan Ave. Unit B
Rifle, CO 81650

Re: **GGC 13-29 Excavation**

Work Order: **19071718**

Dear Chris,

ALS Environmental received 7 samples on 26-Jul-2019 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 38.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Chad Whelton", is written over a faint, illegible printed name.

Electronically approved by: Alex J. Cszaszar

Chad Whelton
Project Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

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Environmental

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RIGHT SOLUTIONS RIGHT PARTNER

Client: LT Environmental, Inc
Project: GGC 13-29 Excavation
Work Order: 19071718

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
19071718-01	N. Wall E. Side @ 9'	Soil		7/25/2019 08:12	7/26/2019 09:30	<input type="checkbox"/>
19071718-02	E. Wall @ 9'	Soil		7/25/2019 08:17	7/26/2019 09:30	<input type="checkbox"/>
19071718-03	W. Floor @ 10'	Soil		7/25/2019 08:45	7/26/2019 09:30	<input type="checkbox"/>
19071718-04	W. Wall @ 8.5'	Soil		7/25/2019 08:50	7/26/2019 09:30	<input type="checkbox"/>
19071718-05	N. Wall W. Side @ 8.5'	Soil		7/25/2019 08:56	7/26/2019 09:30	<input type="checkbox"/>
19071718-06	S. Wall E. Side @ 10'	Soil		7/25/2019 09:30	7/26/2019 09:30	<input type="checkbox"/>
19071718-07	S. Wall W. Side @ 18'	Soil		7/25/2019 14:14	7/26/2019 09:30	<input type="checkbox"/>

Client: LT Environmental, Inc
Project: GGC 13-29 Excavation
Work Order: 19071718

Case Narrative

Samples for the above noted Work Order were received on 07/26/2019. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting. A copy of the laboratory's scope of accreditation is available upon request.

With the following exceptions, all sample analyses achieved analytical criteria.

Volatile Organics:

Batch 139928, Method GRO_8015_S, Sample 19071718-07A: Surrogate high due to matrix interference.

Extractable Organics:

No other deviations or anomalies were noted.

Metals:

No other deviations or anomalies were noted.

Wet Chemistry:

No other deviations or anomalies were noted.

Client: LT Environmental, Inc
Project: GGC 13-29 Excavation
WorkOrder: 19071718

**QUALIFIERS,
ACRONYMS, UNITS**

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

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

<u>Units Reported</u>	<u>Description</u>
% of sample	Percent of Sample
°C	Degrees Celcius
µg/Kg-dry	Micrograms per Kilogram Dry Weight
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

Client: LT Environmental, Inc
Project: GGC 13-29 Excavation
Sample ID: N. Wall E. Side @ 9'
Collection Date: 7/25/2019 08:12 AM

Work Order: 19071718
Lab ID: 19071718-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M	Prep: SW3546 7/29/19 13:00		Analyst: KB
DRO (C10-C28)	15		6.2	mg/Kg-dry	1	7/30/2019 10:39 AM
<i>Surr: 4-Terphenyl-d14</i>	<i>37.4</i>		<i>33-111</i>	<i>%REC</i>	<i>1</i>	7/30/2019 10:39 AM
GASOLINE RANGE ORGANICS BY GC-FID			SW8015D	Prep: SW5035 7/29/19 10:56		Analyst: KB
GRO (C6-C10)	ND		8.2	mg/Kg	1	7/29/2019 04:34 PM
<i>Surr: Toluene-d8</i>	<i>83.6</i>		<i>71-123</i>	<i>%REC</i>	<i>1</i>	7/29/2019 04:34 PM
MERCURY BY CVAA			SW7471B	Prep: SW7471 8/1/19 15:32		Analyst: RSB
Mercury	ND		0.020	mg/Kg-dry	1	8/1/2019 04:56 PM
METALS ANALYSIS BY ICP			SW846 6010C	Prep: SW3050B 7/29/19 12:04		Analyst: DSC
Arsenic	4.5		0.50	mg/Kg-dry	1	7/30/2019 09:13 PM
Barium	260		1.0	mg/Kg-dry	1	7/30/2019 09:13 PM
Cadmium	ND		1.0	mg/Kg-dry	1	7/30/2019 09:13 PM
Chromium	8.6		0.50	mg/Kg-dry	1	7/31/2019 10:31 PM
Copper	11		1.0	mg/Kg-dry	1	7/30/2019 09:13 PM
Lead	11		0.50	mg/Kg-dry	1	7/30/2019 09:13 PM
Nickel	9.7		0.50	mg/Kg-dry	1	7/30/2019 09:13 PM
Selenium	ND		1.0	mg/Kg-dry	1	7/30/2019 09:13 PM
Silver	ND		0.50	mg/Kg-dry	1	7/30/2019 09:13 PM
Zinc	45		1.0	mg/Kg-dry	1	7/30/2019 09:13 PM
SOLUBLE CATIONS FOR SAR			SW6020A	Prep: USDA Method 20B 8/1/19 06:37		Analyst: ABL
Calcium	49		5.0	mg/L	10	8/1/2019 01:47 PM
Magnesium	30		2.0	mg/L	10	8/1/2019 01:47 PM
Sodium	26		2.0	mg/L	10	8/1/2019 01:47 PM
SODIUM ADSORPTION RATIO			USDA H60 MET	Prep: USDA Method 20B 8/1/19 06:37		Analyst: ABL
Sodium Adsorption Ratio	0.71		0.010	none	1	8/1/2019
SEMI-VOLATILE ORGANIC COMPOUNDS			SW846 8270D	Prep: SW3546 7/29/19 13:01		Analyst: EE
Acenaphthene	ND		8.3	µg/Kg-dry	1	7/30/2019 02:05 PM
Anthracene	ND		8.3	µg/Kg-dry	1	7/30/2019 02:05 PM
Benzo(a)anthracene	ND		8.3	µg/Kg-dry	1	7/30/2019 02:05 PM
Benzo(a)pyrene	ND		8.3	µg/Kg-dry	1	7/30/2019 02:05 PM
Benzo(b)fluoranthene	ND		8.3	µg/Kg-dry	1	7/30/2019 02:05 PM
Benzo(k)fluoranthene	ND		8.3	µg/Kg-dry	1	7/30/2019 02:05 PM
Chrysene	ND		8.3	µg/Kg-dry	1	7/30/2019 02:05 PM
Dibenzo(a,h)anthracene	ND		8.3	µg/Kg-dry	1	7/30/2019 02:05 PM
Fluoranthene	ND		8.3	µg/Kg-dry	1	7/30/2019 02:05 PM

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

Client: LT Environmental, Inc
Project: GGC 13-29 Excavation
Sample ID: N. Wall E. Side @ 9'
Collection Date: 7/25/2019 08:12 AM

Work Order: 19071718
Lab ID: 19071718-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		8.3	µg/Kg-dry	1	7/30/2019 02:05 PM
Indeno(1,2,3-cd)pyrene	ND		8.3	µg/Kg-dry	1	7/30/2019 02:05 PM
Naphthalene	ND		8.3	µg/Kg-dry	1	7/30/2019 02:05 PM
Pyrene	ND		8.3	µg/Kg-dry	1	7/30/2019 02:05 PM
Surr: 2-Fluorobiphenyl	65.3		44-107	%REC	1	7/30/2019 02:05 PM
Surr: 4-Terphenyl-d14	64.8		52-123	%REC	1	7/30/2019 02:05 PM
Surr: Nitrobenzene-d5	73.2		41-94	%REC	1	7/30/2019 02:05 PM
VOLATILE ORGANIC COMPOUNDS			SW8260C	Prep: SW5035	7/29/19 10:49	Analyst: PM
Benzene	ND		0.049	mg/Kg	1	7/30/2019 01:02 AM
Ethylbenzene	ND		0.049	mg/Kg	1	7/30/2019 01:02 AM
m,p-Xylene	ND		0.098	mg/Kg	1	7/30/2019 01:02 AM
o-Xylene	ND		0.049	mg/Kg	1	7/30/2019 01:02 AM
Toluene	ND		0.049	mg/Kg	1	7/30/2019 01:02 AM
Xylenes, Total	ND		0.15	mg/Kg	1	7/30/2019 01:02 AM
Surr: 1,2-Dichloroethane-d4	105		70-130	%REC	1	7/30/2019 01:02 AM
Surr: 4-Bromofluorobenzene	102		70-130	%REC	1	7/30/2019 01:02 AM
Surr: Dibromofluoromethane	86.2		70-130	%REC	1	7/30/2019 01:02 AM
Surr: Toluene-d8	98.4		70-130	%REC	1	7/30/2019 01:02 AM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 MET	Prep: USDA Method 20B	8/1/19 06:37	Analyst: DVD
Electrical Conductivity @ Saturation	0.65		0.10	mmhos/cm @2	20	8/1/2019 12:30 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: JZB
Chromium, Trivalent	8.6		1.3	mg/Kg-dry	1	8/1/2019 09:15 AM
CHROMIUM, HEXAVALENT			SW7196A	Prep: SW3060A	7/31/19 09:00	Analyst: RZM
Chromium, Hexavalent	ND		1.3	mg/Kg-dry	1	7/31/2019 02:47 PM
MOISTURE			SW3550C			Analyst: MMO
Moisture	24		0.10	% of sample	1	7/29/2019 12:17 PM
PH			SW9045D	Prep: EXTRACT	7/29/19 10:29	Analyst: DNW
pH	8.27		0.100	s.u.	1	7/29/2019 03:00 PM
Temperature	21.8		0.100	°C	1	7/29/2019 03:00 PM

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

Client: LT Environmental, Inc
Project: GGC 13-29 Excavation
Sample ID: E. Wall @ 9'
Collection Date: 7/25/2019 08:17 AM

Work Order: 19071718
Lab ID: 19071718-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M	Prep: SW3546 7/29/19 13:00		Analyst: KB
DRO (C10-C28)	ND		11	mg/Kg-dry	1	7/30/2019 12:06 PM
Surr: 4-Terphenyl-d14	41.4		33-111	%REC	1	7/30/2019 12:06 PM
GASOLINE RANGE ORGANICS BY GC-FID			SW8015D	Prep: SW5035 7/29/19 10:56		Analyst: KB
GRO (C6-C10)	ND		7.2	mg/Kg	1	7/29/2019 05:04 PM
Surr: Toluene-d8	85.6		71-123	%REC	1	7/29/2019 05:04 PM
MERCURY BY CVAA			SW7471B	Prep: SW7471 8/1/19 15:32		Analyst: RSB
Mercury	ND		0.022	mg/Kg-dry	1	8/1/2019 04:58 PM
METALS ANALYSIS BY ICP			SW846 6010C	Prep: SW3050B 7/29/19 12:04		Analyst: DSC
Arsenic	3.6		0.43	mg/Kg-dry	1	7/30/2019 09:19 PM
Barium	260		0.86	mg/Kg-dry	1	7/30/2019 09:19 PM
Cadmium	ND		0.86	mg/Kg-dry	1	7/30/2019 09:19 PM
Chromium	7.3		0.43	mg/Kg-dry	1	7/31/2019 10:50 PM
Copper	10		0.86	mg/Kg-dry	1	7/30/2019 09:19 PM
Lead	8.3		0.43	mg/Kg-dry	1	7/30/2019 09:19 PM
Nickel	8.9		0.43	mg/Kg-dry	1	7/30/2019 09:19 PM
Selenium	ND		0.86	mg/Kg-dry	1	7/30/2019 09:19 PM
Silver	ND		0.43	mg/Kg-dry	1	7/30/2019 09:19 PM
Zinc	41		0.86	mg/Kg-dry	1	7/30/2019 09:19 PM
SOLUBLE CATIONS FOR SAR			SW6020A	Prep: USDA Method 20B 8/1/19 06:37		Analyst: ABL
Calcium	49		5.0	mg/L	10	8/1/2019 01:48 PM
Magnesium	21		2.0	mg/L	10	8/1/2019 01:48 PM
Sodium	22		2.0	mg/L	10	8/1/2019 01:48 PM
SODIUM ADSORPTION RATIO			USDA H60 MET	Prep: USDA Method 20B 8/1/19 06:37		Analyst: ABL
Sodium Adsorption Ratio	0.68		0.010	none	1	8/1/2019
SEMI-VOLATILE ORGANIC COMPOUNDS			SW846 8270D	Prep: SW3546 7/29/19 13:01		Analyst: EE
Acenaphthene	ND		14	µg/Kg-dry	1	7/30/2019 04:38 PM
Anthracene	ND		14	µg/Kg-dry	1	7/30/2019 04:38 PM
Benzo(a)anthracene	ND		14	µg/Kg-dry	1	7/30/2019 04:38 PM
Benzo(a)pyrene	ND		14	µg/Kg-dry	1	7/30/2019 04:38 PM
Benzo(b)fluoranthene	ND		14	µg/Kg-dry	1	7/30/2019 04:38 PM
Benzo(k)fluoranthene	ND		14	µg/Kg-dry	1	7/30/2019 04:38 PM
Chrysene	ND		14	µg/Kg-dry	1	7/30/2019 04:38 PM
Dibenzo(a,h)anthracene	ND		14	µg/Kg-dry	1	7/30/2019 04:38 PM
Fluoranthene	ND		14	µg/Kg-dry	1	7/30/2019 04:38 PM

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

ALS Group, USA

Date: 02-Aug-19

Client: LT Environmental, Inc
Project: GGC 13-29 Excavation
Sample ID: E. Wall @ 9'
Collection Date: 7/25/2019 08:17 AM

Work Order: 19071718
Lab ID: 19071718-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		14	µg/Kg-dry	1	7/30/2019 04:38 PM
Indeno(1,2,3-cd)pyrene	ND		14	µg/Kg-dry	1	7/30/2019 04:38 PM
Naphthalene	ND		14	µg/Kg-dry	1	7/30/2019 04:38 PM
Pyrene	ND		14	µg/Kg-dry	1	7/30/2019 04:38 PM
Surr: 2-Fluorobiphenyl	65.5		44-107	%REC	1	7/30/2019 04:38 PM
Surr: 4-Terphenyl-d14	73.2		52-123	%REC	1	7/30/2019 04:38 PM
Surr: Nitrobenzene-d5	70.3		41-94	%REC	1	7/30/2019 04:38 PM
VOLATILE ORGANIC COMPOUNDS			SW8260C		Prep: SW5035 7/29/19 10:49	Analyst: PM
Benzene	ND		0.043	mg/Kg	1	7/30/2019 01:20 AM
Ethylbenzene	ND		0.043	mg/Kg	1	7/30/2019 01:20 AM
m,p-Xylene	ND		0.086	mg/Kg	1	7/30/2019 01:20 AM
o-Xylene	ND		0.043	mg/Kg	1	7/30/2019 01:20 AM
Toluene	ND		0.043	mg/Kg	1	7/30/2019 01:20 AM
Xylenes, Total	ND		0.13	mg/Kg	1	7/30/2019 01:20 AM
Surr: 1,2-Dichloroethane-d4	103		70-130	%REC	1	7/30/2019 01:20 AM
Surr: 4-Bromofluorobenzene	102		70-130	%REC	1	7/30/2019 01:20 AM
Surr: Dibromofluoromethane	83.8		70-130	%REC	1	7/30/2019 01:20 AM
Surr: Toluene-d8	101		70-130	%REC	1	7/30/2019 01:20 AM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 MET		Prep: USDA Method 20B 8/1/19 06:37	Analyst: DVD
Electrical Conductivity @ Saturation	0.54		0.10	mmhos/cm @2	20	8/1/2019 12:30 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: JZB
Chromium, Trivalent	7.3		1.2	mg/Kg-dry	1	8/1/2019 09:15 AM
CHROMIUM, HEXAVALENT			SW7196A		Prep: SW3060A 7/31/19 09:00	Analyst: RZM
Chromium, Hexavalent	ND		1.2	mg/Kg-dry	1	7/31/2019 02:47 PM
MOISTURE			SW3550C			Analyst: MMO
Moisture	16		0.10	% of sample	1	7/29/2019 02:52 PM
PH			SW9045D		Prep: EXTRACT 7/29/19 10:29	Analyst: DNW
pH	8.50		0.100	s.u.	1	7/29/2019 03:00 PM
Temperature	21.8		0.100	°C	1	7/29/2019 03:00 PM

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

Client: LT Environmental, Inc
Project: GGC 13-29 Excavation
Sample ID: W. Floor @ 10'
Collection Date: 7/25/2019 08:45 AM

Work Order: 19071718
Lab ID: 19071718-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M	Prep: SW3546 7/29/19 13:00		Analyst: KB
DRO (C10-C28)	ND		5.8	mg/Kg-dry	1	7/30/2019 12:35 PM
Surr: 4-Terphenyl-d14	36.7		33-111	%REC	1	7/30/2019 12:35 PM
GASOLINE RANGE ORGANICS BY GC-FID			SW8015D	Prep: SW5035 7/29/19 10:56		Analyst: KB
GRO (C6-C10)	ND		6.1	mg/Kg	1	7/29/2019 05:34 PM
Surr: Toluene-d8	84.7		71-123	%REC	1	7/29/2019 05:34 PM
MERCURY BY CVAA			SW7471B	Prep: SW7471 8/1/19 15:32		Analyst: RSB
Mercury	ND		0.021	mg/Kg-dry	1	8/1/2019 05:00 PM
METALS ANALYSIS BY ICP			SW846 6010C	Prep: SW3050B 7/29/19 12:04		Analyst: DSC
Arsenic	3.6		0.41	mg/Kg-dry	1	7/30/2019 09:25 PM
Barium	250		0.81	mg/Kg-dry	1	7/30/2019 09:25 PM
Cadmium	ND		0.81	mg/Kg-dry	1	7/30/2019 09:25 PM
Chromium	7.2		0.41	mg/Kg-dry	1	7/31/2019 10:56 PM
Copper	12		0.81	mg/Kg-dry	1	7/30/2019 09:25 PM
Lead	9.6		0.41	mg/Kg-dry	1	7/30/2019 09:25 PM
Nickel	9.5		0.41	mg/Kg-dry	1	7/30/2019 09:25 PM
Selenium	ND		0.81	mg/Kg-dry	1	7/30/2019 09:25 PM
Silver	ND		0.41	mg/Kg-dry	1	7/30/2019 09:25 PM
Zinc	46		0.81	mg/Kg-dry	1	7/30/2019 09:25 PM
SOLUBLE CATIONS FOR SAR			SW6020A	Prep: USDA Method 20B 8/1/19 06:37		Analyst: ABL
Calcium	40		5.0	mg/L	10	8/1/2019 01:50 PM
Magnesium	15		2.0	mg/L	10	8/1/2019 01:50 PM
Sodium	21		2.0	mg/L	10	8/1/2019 01:50 PM
SODIUM ADSORPTION RATIO			USDA H60 MET	Prep: USDA Method 20B 8/1/19 06:37		Analyst: ABL
Sodium Adsorption Ratio	0.72		0.010	none	1	8/1/2019
SEMI-VOLATILE ORGANIC COMPOUNDS			SW846 8270D	Prep: SW3546 7/29/19 13:01		Analyst: EE
Acenaphthene	ND		7.8	µg/Kg-dry	1	7/30/2019 05:03 PM
Anthracene	ND		7.8	µg/Kg-dry	1	7/30/2019 05:03 PM
Benzo(a)anthracene	ND		7.8	µg/Kg-dry	1	7/30/2019 05:03 PM
Benzo(a)pyrene	ND		7.8	µg/Kg-dry	1	7/30/2019 05:03 PM
Benzo(b)fluoranthene	ND		7.8	µg/Kg-dry	1	7/30/2019 05:03 PM
Benzo(k)fluoranthene	ND		7.8	µg/Kg-dry	1	7/30/2019 05:03 PM
Chrysene	ND		7.8	µg/Kg-dry	1	7/30/2019 05:03 PM
Dibenzo(a,h)anthracene	ND		7.8	µg/Kg-dry	1	7/30/2019 05:03 PM
Fluoranthene	ND		7.8	µg/Kg-dry	1	7/30/2019 05:03 PM

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

ALS Group, USA

Date: 02-Aug-19

Client: LT Environmental, Inc
Project: GGC 13-29 Excavation
Sample ID: W. Floor @ 10'
Collection Date: 7/25/2019 08:45 AM

Work Order: 19071718
Lab ID: 19071718-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		7.8	µg/Kg-dry	1	7/30/2019 05:03 PM
Indeno(1,2,3-cd)pyrene	ND		7.8	µg/Kg-dry	1	7/30/2019 05:03 PM
Naphthalene	ND		7.8	µg/Kg-dry	1	7/30/2019 05:03 PM
Pyrene	ND		7.8	µg/Kg-dry	1	7/30/2019 05:03 PM
Surr: 2-Fluorobiphenyl	53.3		44-107	%REC	1	7/30/2019 05:03 PM
Surr: 4-Terphenyl-d14	56.6		52-123	%REC	1	7/30/2019 05:03 PM
Surr: Nitrobenzene-d5	58.9		41-94	%REC	1	7/30/2019 05:03 PM
VOLATILE ORGANIC COMPOUNDS			SW8260C	Prep: SW5035	7/29/19 10:49	Analyst: PM
Benzene	ND		0.037	mg/Kg	1	7/30/2019 01:37 AM
Ethylbenzene	ND		0.037	mg/Kg	1	7/30/2019 01:37 AM
m,p-Xylene	ND		0.074	mg/Kg	1	7/30/2019 01:37 AM
o-Xylene	ND		0.037	mg/Kg	1	7/30/2019 01:37 AM
Toluene	ND		0.037	mg/Kg	1	7/30/2019 01:37 AM
Xylenes, Total	ND		0.11	mg/Kg	1	7/30/2019 01:37 AM
Surr: 1,2-Dichloroethane-d4	101		70-130	%REC	1	7/30/2019 01:37 AM
Surr: 4-Bromofluorobenzene	102		70-130	%REC	1	7/30/2019 01:37 AM
Surr: Dibromofluoromethane	81.9		70-130	%REC	1	7/30/2019 01:37 AM
Surr: Toluene-d8	98.5		70-130	%REC	1	7/30/2019 01:37 AM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 MET	Prep: USDA Method 20B	8/1/19 06:37	Analyst: DVD
Electrical Conductivity @ Saturation	0.45		0.10	mmhos/cm @2	20	8/1/2019 12:30 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: JZB
Chromium, Trivalent	7,200,000		1.2	mg/Kg-dry	1	8/1/2019 09:15 AM
CHROMIUM, HEXAVALENT			SW7196A	Prep: SW3060A	7/31/19 09:00	Analyst: RZM
Chromium, Hexavalent	ND		1.2	mg/Kg-dry	1	7/31/2019 02:47 PM
MOISTURE			SW3550C			Analyst: MMO
Moisture	14		0.10	% of sample	1	7/29/2019 02:52 PM
PH			SW9045D	Prep: EXTRACT	7/29/19 10:29	Analyst: DNW
pH	8.45		0.100	s.u.	1	7/29/2019 03:00 PM
Temperature	21.8		0.100	°C	1	7/29/2019 03:00 PM

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

Client: LT Environmental, Inc
 Project: GGC 13-29 Excavation
 Sample ID: W. Wall @ 8.5'
 Collection Date: 7/25/2019 08:50 AM

Work Order: 19071718
 Lab ID: 19071718-04
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M	Prep: SW3546 7/29/19 13:00		Analyst: KB
DRO (C10-C28)	9.2		5.7	mg/Kg-dry	1	7/30/2019 01:05 PM
Surr: 4-Terphenyl-d14	44.1		33-111	%REC	1	7/30/2019 01:05 PM
GASOLINE RANGE ORGANICS BY GC-FID			SW8015D	Prep: SW5035 7/29/19 10:56		Analyst: KB
GRO (C6-C10)	ND		7.0	mg/Kg	1	7/29/2019 06:03 PM
Surr: Toluene-d8	86.8		71-123	%REC	1	7/29/2019 06:03 PM
MERCURY BY CVAA			SW7471B	Prep: SW7471 8/1/19 15:32		Analyst: RSB
Mercury	ND		0.020	mg/Kg-dry	1	8/1/2019 05:02 PM
METALS ANALYSIS BY ICP			SW846 6010C	Prep: SW3050B 7/29/19 12:04		Analyst: DSC
Arsenic	3.8		0.39	mg/Kg-dry	1	7/30/2019 09:32 PM
Barium	230		0.79	mg/Kg-dry	1	7/30/2019 09:32 PM
Cadmium	ND		0.79	mg/Kg-dry	1	7/30/2019 09:32 PM
Chromium	7.8		0.39	mg/Kg-dry	1	7/31/2019 11:02 PM
Copper	12		0.79	mg/Kg-dry	1	7/30/2019 09:32 PM
Lead	8.7		0.39	mg/Kg-dry	1	7/30/2019 09:32 PM
Nickel	10		0.39	mg/Kg-dry	1	7/30/2019 09:32 PM
Selenium	ND		0.79	mg/Kg-dry	1	7/30/2019 09:32 PM
Silver	ND		0.39	mg/Kg-dry	1	7/30/2019 09:32 PM
Zinc	44		0.79	mg/Kg-dry	1	7/30/2019 09:32 PM
SOLUBLE CATIONS FOR SAR			SW6020A	Prep: USDA Method 20B 8/1/19 06:37		Analyst: ABL
Calcium	130		5.0	mg/L	10	8/1/2019 01:51 PM
Magnesium	36		2.0	mg/L	10	8/1/2019 01:51 PM
Sodium	39		2.0	mg/L	10	8/1/2019 01:51 PM
SODIUM ADSORPTION RATIO			USDA H60 MET	Prep: USDA Method 20B 8/1/19 06:37		Analyst: ABL
Sodium Adsorption Ratio	0.78		0.010	none	1	8/1/2019
SEMI-VOLATILE ORGANIC COMPOUNDS			SW846 8270D	Prep: SW3546 7/29/19 13:01		Analyst: EE
Acenaphthene	ND		7.6	µg/Kg-dry	1	7/30/2019 05:29 PM
Anthracene	ND		7.6	µg/Kg-dry	1	7/30/2019 05:29 PM
Benzo(a)anthracene	ND		7.6	µg/Kg-dry	1	7/30/2019 05:29 PM
Benzo(a)pyrene	ND		7.6	µg/Kg-dry	1	7/30/2019 05:29 PM
Benzo(b)fluoranthene	ND		7.6	µg/Kg-dry	1	7/30/2019 05:29 PM
Benzo(k)fluoranthene	ND		7.6	µg/Kg-dry	1	7/30/2019 05:29 PM
Chrysene	ND		7.6	µg/Kg-dry	1	7/30/2019 05:29 PM
Dibenzo(a,h)anthracene	ND		7.6	µg/Kg-dry	1	7/30/2019 05:29 PM
Fluoranthene	ND		7.6	µg/Kg-dry	1	7/30/2019 05:29 PM

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

ALS Group, USA

Date: 02-Aug-19

Client: LT Environmental, Inc
Project: GGC 13-29 Excavation
Sample ID: W. Wall @ 8.5'
Collection Date: 7/25/2019 08:50 AM

Work Order: 19071718
Lab ID: 19071718-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		7.6	µg/Kg-dry	1	7/30/2019 05:29 PM
Indeno(1,2,3-cd)pyrene	ND		7.6	µg/Kg-dry	1	7/30/2019 05:29 PM
Naphthalene	18		7.6	µg/Kg-dry	1	7/30/2019 05:29 PM
Pyrene	ND		7.6	µg/Kg-dry	1	7/30/2019 05:29 PM
Surr: 2-Fluorobiphenyl	69.9		44-107	%REC	1	7/30/2019 05:29 PM
Surr: 4-Terphenyl-d14	81.3		52-123	%REC	1	7/30/2019 05:29 PM
Surr: Nitrobenzene-d5	71.6		41-94	%REC	1	7/30/2019 05:29 PM
VOLATILE ORGANIC COMPOUNDS			SW8260C	Prep: SW5035	7/29/19 10:49	Analyst: PM
Benzene	ND		0.042	mg/Kg	1	7/30/2019 01:55 AM
Ethylbenzene	ND		0.042	mg/Kg	1	7/30/2019 01:55 AM
m,p-Xylene	ND		0.084	mg/Kg	1	7/30/2019 01:55 AM
o-Xylene	ND		0.042	mg/Kg	1	7/30/2019 01:55 AM
Toluene	ND		0.042	mg/Kg	1	7/30/2019 01:55 AM
Xylenes, Total	ND		0.13	mg/Kg	1	7/30/2019 01:55 AM
Surr: 1,2-Dichloroethane-d4	101		70-130	%REC	1	7/30/2019 01:55 AM
Surr: 4-Bromofluorobenzene	103		70-130	%REC	1	7/30/2019 01:55 AM
Surr: Dibromofluoromethane	81.9		70-130	%REC	1	7/30/2019 01:55 AM
Surr: Toluene-d8	99.6		70-130	%REC	1	7/30/2019 01:55 AM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 MET	Prep: USDA Method 20B	8/1/19 06:37	Analyst: DVD
Electrical Conductivity @ Saturation	1.1		0.10	mmhos/cm @2	20	8/1/2019 12:30 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: JZB
Chromium, Trivalent	7.8		1.2	mg/Kg-dry	1	8/1/2019 09:15 AM
CHROMIUM, HEXAVALENT			SW7196A	Prep: SW3060A	7/31/19 09:00	Analyst: RZM
Chromium, Hexavalent	ND		1.2	mg/Kg-dry	1	7/31/2019 02:47 PM
MOISTURE			SW3550C			Analyst: MMO
Moisture	15		0.10	% of sample	1	7/29/2019 02:52 PM
PH			SW9045D	Prep: EXTRACT	7/29/19 10:29	Analyst: DNW
pH	8.25		0.100	s.u.	1	7/29/2019 03:00 PM
Temperature	21.9		0.100	°C	1	7/29/2019 03:00 PM

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

Client: LT Environmental, Inc
Project: GGC 13-29 Excavation
Sample ID: N. Wall W. Side @ 8.5'
Collection Date: 7/25/2019 08:56 AM

Work Order: 19071718
Lab ID: 19071718-05
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M	Prep: SW3546 7/29/19 13:00		Analyst: KB
DRO (C10-C28)	21		13	mg/Kg-dry	1	7/30/2019 01:34 PM
<i>Surr: 4-Terphenyl-d14</i>	<i>46.1</i>		<i>33-111</i>	<i>%REC</i>	<i>1</i>	7/30/2019 01:34 PM
GASOLINE RANGE ORGANICS BY GC-FID			SW8015D	Prep: SW5035 7/29/19 10:56		Analyst: KB
GRO (C6-C10)	ND		6.6	mg/Kg	1	7/29/2019 06:33 PM
<i>Surr: Toluene-d8</i>	<i>98.8</i>		<i>71-123</i>	<i>%REC</i>	<i>1</i>	7/29/2019 06:33 PM
MERCURY BY CVAA			SW7471B	Prep: SW7471 8/1/19 15:32		Analyst: RSB
Mercury	ND		0.021	mg/Kg-dry	1	8/1/2019 05:05 PM
METALS ANALYSIS BY ICP			SW846 6010C	Prep: SW3050B 7/29/19 12:04		Analyst: DSC
Arsenic	3.2		0.45	mg/Kg-dry	1	7/30/2019 09:38 PM
Barium	190		0.91	mg/Kg-dry	1	7/30/2019 09:38 PM
Cadmium	ND		0.91	mg/Kg-dry	1	7/30/2019 09:38 PM
Chromium	8.3		0.45	mg/Kg-dry	1	7/31/2019 11:08 PM
Copper	12		0.91	mg/Kg-dry	1	7/30/2019 09:38 PM
Lead	9.7		0.45	mg/Kg-dry	1	7/30/2019 09:38 PM
Nickel	11		0.45	mg/Kg-dry	1	7/30/2019 09:38 PM
Selenium	ND		0.91	mg/Kg-dry	1	7/30/2019 09:38 PM
Silver	ND		0.45	mg/Kg-dry	1	7/30/2019 09:38 PM
Zinc	50		0.91	mg/Kg-dry	1	7/30/2019 09:38 PM
SOLUBLE CATIONS FOR SAR			SW6020A	Prep: USDA Method 20B 8/1/19 06:37		Analyst: ABL
Calcium	38		5.0	mg/L	10	8/1/2019 01:56 PM
Magnesium	8.7		2.0	mg/L	10	8/1/2019 01:56 PM
Sodium	7.9		2.0	mg/L	10	8/1/2019 01:56 PM
SODIUM ADSORPTION RATIO			USDA H60 MET	Prep: USDA Method 20B 8/1/19 06:37		Analyst: ABL
Sodium Adsorption Ratio	0.30		0.010	none	1	8/1/2019
SEMI-VOLATILE ORGANIC COMPOUNDS			SW846 8270D	Prep: SW3546 7/29/19 13:01		Analyst: EE
Acenaphthene	ND		17	µg/Kg-dry	1	7/30/2019 05:54 PM
Anthracene	ND		17	µg/Kg-dry	1	7/30/2019 05:54 PM
Benzo(a)anthracene	ND		17	µg/Kg-dry	1	7/30/2019 05:54 PM
Benzo(a)pyrene	ND		17	µg/Kg-dry	1	7/30/2019 05:54 PM
Benzo(b)fluoranthene	ND		17	µg/Kg-dry	1	7/30/2019 05:54 PM
Benzo(k)fluoranthene	ND		17	µg/Kg-dry	1	7/30/2019 05:54 PM
Chrysene	ND		17	µg/Kg-dry	1	7/30/2019 05:54 PM
Dibenzo(a,h)anthracene	ND		17	µg/Kg-dry	1	7/30/2019 05:54 PM
Fluoranthene	ND		17	µg/Kg-dry	1	7/30/2019 05:54 PM

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

ALS Group, USA

Date: 02-Aug-19

Client: LT Environmental, Inc
Project: GGC 13-29 Excavation
Sample ID: N. Wall W. Side @ 8.5'
Collection Date: 7/25/2019 08:56 AM

Work Order: 19071718
Lab ID: 19071718-05
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		17	µg/Kg-dry	1	7/30/2019 05:54 PM
Indeno(1,2,3-cd)pyrene	ND		17	µg/Kg-dry	1	7/30/2019 05:54 PM
Naphthalene	ND		17	µg/Kg-dry	1	7/30/2019 05:54 PM
Pyrene	ND		17	µg/Kg-dry	1	7/30/2019 05:54 PM
Surr: 2-Fluorobiphenyl	67.9		44-107	%REC	1	7/30/2019 05:54 PM
Surr: 4-Terphenyl-d14	80.9		52-123	%REC	1	7/30/2019 05:54 PM
Surr: Nitrobenzene-d5	70.0		41-94	%REC	1	7/30/2019 05:54 PM
VOLATILE ORGANIC COMPOUNDS			SW8260C	Prep: SW5035	7/29/19 10:49	Analyst: BG
Benzene	ND		0.040	mg/Kg	1	8/1/2019 08:36 PM
Ethylbenzene	ND		0.040	mg/Kg	1	8/1/2019 08:36 PM
m,p-Xylene	ND		0.080	mg/Kg	1	8/1/2019 08:36 PM
o-Xylene	ND		0.040	mg/Kg	1	8/1/2019 08:36 PM
Toluene	ND		0.040	mg/Kg	1	8/1/2019 08:36 PM
Xylenes, Total	ND		0.12	mg/Kg	1	8/1/2019 08:36 PM
Surr: 1,2-Dichloroethane-d4	96.6		70-130	%REC	1	8/1/2019 08:36 PM
Surr: 4-Bromofluorobenzene	95.3		70-130	%REC	1	8/1/2019 08:36 PM
Surr: Dibromofluoromethane	85.0		70-130	%REC	1	8/1/2019 08:36 PM
Surr: Toluene-d8	97.8		70-130	%REC	1	8/1/2019 08:36 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 MET	Prep: USDA Method 20B	8/1/19 06:37	Analyst: DVD
Electrical Conductivity @ Saturation	0.31		0.10	mmhos/cm @2	20	8/1/2019 12:30 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: JZB
Chromium, Trivalent	8.3		1.2	mg/Kg-dry	1	8/1/2019 09:15 AM
CHROMIUM, HEXAVALENT			SW7196A	Prep: SW3060A	7/31/19 09:00	Analyst: RZM
Chromium, Hexavalent	ND		1.2	mg/Kg-dry	1	7/31/2019 02:47 PM
MOISTURE			SW3550C			Analyst: MMO
Moisture	16		0.10	% of sample	1	7/29/2019 02:52 PM
PH			SW9045D	Prep: EXTRACT	7/29/19 10:29	Analyst: DNW
pH	9.01		0.100	s.u.	1	7/29/2019 03:00 PM
Temperature	22.0		0.100	°C	1	7/29/2019 03:00 PM

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

Client: LT Environmental, Inc
 Project: GGC 13-29 Excavation
 Sample ID: S. Wall E. Side @ 10'
 Collection Date: 7/25/2019 09:30 AM

Work Order: 19071718
 Lab ID: 19071718-06
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M	Prep: SW3546 7/29/19 13:00		Analyst: KB
DRO (C10-C28)	6.0		5.6	mg/Kg-dry	1	7/30/2019 02:03 PM
Surr: 4-Terphenyl-d14	41.6		33-111	%REC	1	7/30/2019 02:03 PM
GASOLINE RANGE ORGANICS BY GC-FID			SW8015D	Prep: SW5035 7/29/19 10:56		Analyst: KB
GRO (C6-C10)	ND		6.3	mg/Kg	1	7/29/2019 07:03 PM
Surr: Toluene-d8	90.3		71-123	%REC	1	7/29/2019 07:03 PM
MERCURY BY CVAA			SW7471B	Prep: SW7471 8/1/19 15:32		Analyst: RSH
Mercury	ND		0.018	mg/Kg-dry	1	8/1/2019 05:07 PM
METALS ANALYSIS BY ICP			SW846 6010C	Prep: SW3050B 7/29/19 12:04		Analyst: DSC
Arsenic	4.7		0.43	mg/Kg-dry	1	7/30/2019 09:56 PM
Barium	260		0.85	mg/Kg-dry	1	7/30/2019 09:56 PM
Cadmium	ND		0.85	mg/Kg-dry	1	7/30/2019 09:56 PM
Chromium	8.5		0.43	mg/Kg-dry	1	7/31/2019 11:14 PM
Copper	12		0.85	mg/Kg-dry	1	7/30/2019 09:56 PM
Lead	9.1		0.43	mg/Kg-dry	1	7/30/2019 09:56 PM
Nickel	10		0.43	mg/Kg-dry	1	7/30/2019 09:56 PM
Selenium	ND		0.85	mg/Kg-dry	1	7/30/2019 09:56 PM
Silver	ND		0.43	mg/Kg-dry	1	7/30/2019 09:56 PM
Zinc	45		0.85	mg/Kg-dry	1	7/30/2019 09:56 PM
SOLUBLE CATIONS FOR SAR			SW6020A	Prep: USDA Method 20B 8/1/19 06:37		Analyst: ABL
Calcium	80		5.0	mg/L	10	8/1/2019 01:59 PM
Magnesium	31		2.0	mg/L	10	8/1/2019 01:59 PM
Sodium	25		2.0	mg/L	10	8/1/2019 01:59 PM
SODIUM ADSORPTION RATIO			USDA H60 MET	Prep: USDA Method 20B 8/1/19 06:37		Analyst: ABL
Sodium Adsorption Ratio	0.60		0.010	none	1	8/1/2019
SEMI-VOLATILE ORGANIC COMPOUNDS			SW846 8270D	Prep: SW3546 7/29/19 13:01		Analyst: EE
Acenaphthene	ND		7.5	µg/Kg-dry	1	7/30/2019 06:19 PM
Anthracene	ND		7.5	µg/Kg-dry	1	7/30/2019 06:19 PM
Benzo(a)anthracene	ND		7.5	µg/Kg-dry	1	7/30/2019 06:19 PM
Benzo(a)pyrene	ND		7.5	µg/Kg-dry	1	7/30/2019 06:19 PM
Benzo(b)fluoranthene	ND		7.5	µg/Kg-dry	1	7/30/2019 06:19 PM
Benzo(k)fluoranthene	ND		7.5	µg/Kg-dry	1	7/30/2019 06:19 PM
Chrysene	ND		7.5	µg/Kg-dry	1	7/30/2019 06:19 PM
Dibenzo(a,h)anthracene	ND		7.5	µg/Kg-dry	1	7/30/2019 06:19 PM
Fluoranthene	ND		7.5	µg/Kg-dry	1	7/30/2019 06:19 PM

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

Client: LT Environmental, Inc
Project: GGC 13-29 Excavation
Sample ID: S. Wall E. Side @ 10'
Collection Date: 7/25/2019 09:30 AM

Work Order: 19071718
Lab ID: 19071718-06
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		7.5	µg/Kg-dry	1	7/30/2019 06:19 PM
Indeno(1,2,3-cd)pyrene	ND		7.5	µg/Kg-dry	1	7/30/2019 06:19 PM
Naphthalene	9.0		7.5	µg/Kg-dry	1	7/30/2019 06:19 PM
Pyrene	ND		7.5	µg/Kg-dry	1	7/30/2019 06:19 PM
Surr: 2-Fluorobiphenyl	61.1		44-107	%REC	1	7/30/2019 06:19 PM
Surr: 4-Terphenyl-d14	68.5		52-123	%REC	1	7/30/2019 06:19 PM
Surr: Nitrobenzene-d5	63.6		41-94	%REC	1	7/30/2019 06:19 PM
VOLATILE ORGANIC COMPOUNDS			SW8260C	Prep: SW5035	7/29/19 10:49	Analyst: PM
Benzene	ND		0.038	mg/Kg	1	7/30/2019 02:29 AM
Ethylbenzene	ND		0.038	mg/Kg	1	7/30/2019 02:29 AM
m,p-Xylene	ND		0.076	mg/Kg	1	7/30/2019 02:29 AM
o-Xylene	ND		0.038	mg/Kg	1	7/30/2019 02:29 AM
Toluene	ND		0.038	mg/Kg	1	7/30/2019 02:29 AM
Xylenes, Total	ND		0.11	mg/Kg	1	7/30/2019 02:29 AM
Surr: 1,2-Dichloroethane-d4	103		70-130	%REC	1	7/30/2019 02:29 AM
Surr: 4-Bromofluorobenzene	103		70-130	%REC	1	7/30/2019 02:29 AM
Surr: Dibromofluoromethane	81.6		70-130	%REC	1	7/30/2019 02:29 AM
Surr: Toluene-d8	98.0		70-130	%REC	1	7/30/2019 02:29 AM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 MET	Prep: USDA Method 20B	8/1/19 06:37	Analyst: DVD
Electrical Conductivity @ Saturation	0.78		0.10	mmhos/cm @2	20	8/1/2019 12:30 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: JZB
Chromium, Trivalent	8.5		1.2	mg/Kg-dry	1	8/1/2019 09:15 AM
CHROMIUM, HEXAVALENT			SW7196A	Prep: SW3060A	7/31/19 09:00	Analyst: RZM
Chromium, Hexavalent	ND		1.2	mg/Kg-dry	1	7/31/2019 02:47 PM
MOISTURE			SW3550C			Analyst: MMO
Moisture	15		0.10	% of sample	1	7/29/2019 02:52 PM
PH			SW9045D	Prep: EXTRACT	7/29/19 10:29	Analyst: DNW
pH	8.19		0.100	s.u.	1	7/29/2019 03:00 PM
Temperature	22.1		0.100	°C	1	7/29/2019 03:00 PM

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

Client: LT Environmental, Inc
 Project: GGC 13-29 Excavation
 Sample ID: S. Wall W. Side @ 18'
 Collection Date: 7/25/2019 02:14 PM

Work Order: 19071718
 Lab ID: 19071718-07
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID						
			SW8015M		Prep: SW3546 7/29/19 13:00	Analyst: KB
DRO (C10-C28)	730		5.7	mg/Kg-dry	1	7/30/2019 03:01 PM
Surr: 4-Terphenyl-d14	34.7		33-111	%REC	1	7/30/2019 03:01 PM
GASOLINE RANGE ORGANICS BY GC-FID						
			SW8015D		Prep: SW5035 7/29/19 10:56	Analyst: KB
GRO (C6-C10)	730		6.3	mg/Kg	1	7/29/2019 07:32 PM
Surr: Toluene-d8	253	S	71-123	%REC	1	7/29/2019 07:32 PM
MERCURY BY CVAA						
			SW7471B		Prep: SW7471 8/1/19 15:32	Analyst: RSB
Mercury	ND		0.020	mg/Kg-dry	1	8/1/2019 05:09 PM
METALS ANALYSIS BY ICP						
			SW846 6010C		Prep: SW3050B 7/29/19 12:04	Analyst: DSC
Arsenic	4.9		0.39	mg/Kg-dry	1	7/30/2019 10:02 PM
Barium	260		0.78	mg/Kg-dry	1	7/30/2019 10:02 PM
Cadmium	ND		0.78	mg/Kg-dry	1	7/30/2019 10:02 PM
Chromium	8.4		0.39	mg/Kg-dry	1	7/31/2019 11:21 PM
Copper	12		0.78	mg/Kg-dry	1	7/30/2019 10:02 PM
Lead	9.4		0.39	mg/Kg-dry	1	7/30/2019 10:02 PM
Nickel	10		0.39	mg/Kg-dry	1	7/30/2019 10:02 PM
Selenium	ND		0.78	mg/Kg-dry	1	7/30/2019 10:02 PM
Silver	ND		0.39	mg/Kg-dry	1	7/30/2019 10:02 PM
Zinc	46		0.78	mg/Kg-dry	1	7/30/2019 10:02 PM
SOLUBLE CATIONS FOR SAR						
			SW6020A		Prep: USDA Method 20B 8/1/19 06:37	Analyst: ABL
Calcium	76		5.0	mg/L	10	8/1/2019 02:01 PM
Magnesium	41		2.0	mg/L	10	8/1/2019 02:01 PM
Sodium	34		2.0	mg/L	10	8/1/2019 02:01 PM
SODIUM ADSORPTION RATIO						
			USDA H60 MET		Prep: USDA Method 20B 8/1/19 06:37	Analyst: ABL
Sodium Adsorption Ratio	0.78		0.010	none	1	8/1/2019
SEMI-VOLATILE ORGANIC COMPOUNDS						
			SW846 8270D		Prep: SW3546 7/29/19 13:01	Analyst: EE
Acenaphthene	ND		7.6	µg/Kg-dry	1	7/30/2019 06:44 PM
Anthracene	120		7.6	µg/Kg-dry	1	7/30/2019 06:44 PM
Benzo(a)anthracene	ND		7.6	µg/Kg-dry	1	7/30/2019 06:44 PM
Benzo(a)pyrene	ND		7.6	µg/Kg-dry	1	7/30/2019 06:44 PM
Benzo(b)fluoranthene	ND		7.6	µg/Kg-dry	1	7/30/2019 06:44 PM
Benzo(k)fluoranthene	ND		7.6	µg/Kg-dry	1	7/30/2019 06:44 PM
Chrysene	ND		7.6	µg/Kg-dry	1	7/30/2019 06:44 PM
Dibenzo(a,h)anthracene	ND		7.6	µg/Kg-dry	1	7/30/2019 06:44 PM
Fluoranthene	ND		7.6	µg/Kg-dry	1	7/30/2019 06:44 PM

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

ALS Group, USA

Date: 02-Aug-19

Client: LT Environmental, Inc
Project: GGC 13-29 Excavation
Sample ID: S. Wall W. Side @ 18'
Collection Date: 7/25/2019 02:14 PM

Work Order: 19071718
Lab ID: 19071718-07
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	260		7.6	µg/Kg-dry	1	7/30/2019 06:44 PM
Indeno(1,2,3-cd)pyrene	ND		7.6	µg/Kg-dry	1	7/30/2019 06:44 PM
Naphthalene	600		7.6	µg/Kg-dry	1	7/30/2019 06:44 PM
Pyrene	ND		7.6	µg/Kg-dry	1	7/30/2019 06:44 PM
Surr: 2-Fluorobiphenyl	70.9		44-107	%REC	1	7/30/2019 06:44 PM
Surr: 4-Terphenyl-d14	76.3		52-123	%REC	1	7/30/2019 06:44 PM
Surr: Nitrobenzene-d5	76.3		41-94	%REC	1	7/30/2019 06:44 PM
VOLATILE ORGANIC COMPOUNDS			SW8260C	Prep: SW5035	7/29/19 10:49	Analyst: PM
Benzene	ND		0.038	mg/Kg	1	7/30/2019 02:47 AM
Ethylbenzene	ND		0.038	mg/Kg	1	7/30/2019 02:47 AM
m,p-Xylene	ND		0.076	mg/Kg	1	7/30/2019 02:47 AM
o-Xylene	ND		0.038	mg/Kg	1	7/30/2019 02:47 AM
Toluene	ND		0.038	mg/Kg	1	7/30/2019 02:47 AM
Xylenes, Total	ND		0.11	mg/Kg	1	7/30/2019 02:47 AM
Surr: 1,2-Dichloroethane-d4	101		70-130	%REC	1	7/30/2019 02:47 AM
Surr: 4-Bromofluorobenzene	101		70-130	%REC	1	7/30/2019 02:47 AM
Surr: Dibromofluoromethane	84.8		70-130	%REC	1	7/30/2019 02:47 AM
Surr: Toluene-d8	100		70-130	%REC	1	7/30/2019 02:47 AM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 MET	Prep: USDA Method 20B	8/1/19 06:37	Analyst: DVD
Electrical Conductivity @ Saturation	0.90		0.10	mmhos/cm @2	20	8/1/2019 12:30 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: JZB
Chromium, Trivalent	8.4		1.2	mg/Kg-dry	1	8/1/2019 09:15 AM
CHROMIUM, HEXAVALENT			SW7196A	Prep: SW3060A	7/31/19 09:00	Analyst: RZM
Chromium, Hexavalent	ND		1.2	mg/Kg-dry	1	7/31/2019 02:47 PM
MOISTURE			SW3550C			Analyst: MMO
Moisture	13		0.10	% of sample	1	7/29/2019 02:52 PM
PH			SW9045D	Prep: EXTRACT	7/29/19 10:29	Analyst: DNW
pH	8.72		0.100	s.u.	1	7/29/2019 03:00 PM
Temperature	22.1		0.100	°C	1	7/29/2019 03:00 PM

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

Client: LT Environmental, Inc
Work Order: 19071718
Project: GGC 13-29 Excavation

QC BATCH REPORT

Batch ID: **139931** Instrument ID **GC8** Method: **SW8015M**

MBLK		Sample ID: DBLKS1-139931-139931				Units: mg/Kg		Analysis Date: 7/30/2019 09:40 AM		
Client ID:		Run ID: GC8_190730B		SeqNo: 5814675		Prep Date: 7/29/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	ND	5.0								
<i>Surr: 4-Terphenyl-d14</i>	1.583	0	3.33	0	47.5	33-111	0			

LCS		Sample ID: DLCSS1-139931-139931				Units: mg/Kg		Analysis Date: 7/30/2019 10:10 AM		
Client ID:		Run ID: GC8_190730B		SeqNo: 5814676		Prep Date: 7/29/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	337.5	5.0	333	0	101	58-111	0			
<i>Surr: 4-Terphenyl-d14</i>	1.922	0	3.33	0	57.7	33-111	0			

MS		Sample ID: 19071718-01A MS				Units: mg/Kg		Analysis Date: 7/30/2019 11:08 AM		
Client ID: N. Wall E. Side @ 9'		Run ID: GC8_190730B		SeqNo: 5814678		Prep Date: 7/29/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	290.4	4.9	327.2	11.16	85.4	58-111	0			
<i>Surr: 4-Terphenyl-d14</i>	1.437	0	3.272	0	43.9	33-111	0			

MSD		Sample ID: 19071718-01A MSD				Units: mg/Kg		Analysis Date: 7/30/2019 11:37 AM		
Client ID: N. Wall E. Side @ 9'		Run ID: GC8_190730B		SeqNo: 5814679		Prep Date: 7/29/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	290.5	4.8	318.7	11.16	87.6	58-111	290.4	0.00596	30	
<i>Surr: 4-Terphenyl-d14</i>	1.522	0	3.187	0	47.7	33-111	1.437	5.72	30	

The following samples were analyzed in this batch:

19071718-01A	19071718-02A	19071718-03A
19071718-04A	19071718-05A	19071718-06A
19071718-07A		

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

Client: LT Environmental, Inc
 Work Order: 19071718
 Project: GGC 13-29 Excavation

QC BATCH REPORT

Batch ID: 139928 Instrument ID GC9 Method: SW8015D

MBLK		Sample ID: MBLK-139928-139928				Units: µg/Kg-dry		Analysis Date: 7/29/2019 04:04 PM		
Client ID:		Run ID: GC9_190729A		SeqNo: 5813347		Prep Date: 7/29/2019		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								
<i>Surr: Toluene-d8</i>	4768	0	5000	0	95.4	71-123	0			

LCS		Sample ID: LCS-139928-139928				Units: µg/Kg-dry		Analysis Date: 7/29/2019 03:35 PM		
Client ID:		Run ID: GC9_190729A		SeqNo: 5813346		Prep Date: 7/29/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	597900	5,000	500000	0	120	71-123	0			
<i>Surr: Toluene-d8</i>	6232	0	5000	0	125	71-123	0			S

MS		Sample ID: 19071748-01A MS				Units: µg/Kg-dry		Analysis Date: 7/29/2019 11:59 PM		
Client ID:		Run ID: GC9_190729A		SeqNo: 5813362		Prep Date: 7/29/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	866500	7,700	773800	20410	109	71-123	0			
<i>Surr: Toluene-d8</i>	8560	0	7738	0	111	71-123	0			

MSD		Sample ID: 19071748-01A MSD				Units: µg/Kg-dry		Analysis Date: 7/30/2019 12:28 PM		
Client ID:		Run ID: GC9_190729A		SeqNo: 5813363		Prep Date: 7/29/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	979000	8,800	879700	20410	109	71-123	866500	12.2	30	
<i>Surr: Toluene-d8</i>	10140	0	8797	0	115	71-123	8560	16.9	30	

The following samples were analyzed in this batch:

19071718-01A	19071718-02A	19071718-03A
19071718-04A	19071718-05A	19071718-06A
19071718-07A		

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

Client: LT Environmental, Inc
 Work Order: 19071718
 Project: GGC 13-29 Excavation

QC BATCH REPORT

Batch ID: 140147 Instrument ID HG4 Method: SW7471B

MBLK		Sample ID: MBLK-140147-140147				Units: mg/Kg		Analysis Date: 8/1/2019 04:40 PM		
Client ID:		Run ID: HG4_190801A		SeqNo: 5821092		Prep Date: 8/1/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.002333	0.020								J

LCS		Sample ID: LCS-140147-140147				Units: mg/Kg		Analysis Date: 8/1/2019 04:42 PM		
Client ID:		Run ID: HG4_190801A		SeqNo: 5821093		Prep Date: 8/1/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1563	0.020	0.1665	0	93.9	80-120	0			

MS		Sample ID: 19080023-02AMS				Units: mg/Kg		Analysis Date: 8/1/2019 05:39 PM		
Client ID:		Run ID: HG4_190801A		SeqNo: 5821118		Prep Date: 8/1/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1505	0.018	0.1505	0.02098	86.1	75-125	0			

MSD		Sample ID: 19080023-02AMSD				Units: mg/Kg		Analysis Date: 8/1/2019 05:41 PM		
Client ID:		Run ID: HG4_190801A		SeqNo: 5821119		Prep Date: 8/1/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1474	0.017	0.1413	0.02098	89.5	75-125	0.1505	2.06	35	

The following samples were analyzed in this batch:

19071718-01A	19071718-02A	19071718-03A
19071718-04A	19071718-05A	19071718-06A
19071718-07A		

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

Client: LT Environmental, Inc
 Work Order: 19071718
 Project: GGC 13-29 Excavation

QC BATCH REPORT

Batch ID: 139916 Instrument ID ICP2 Method: SW846 6010C

MBLK		Sample ID: MBLK-139916-139916				Units: mg/Kg		Analysis Date: 7/30/2019 12:44 PM		
Client ID:		Run ID: ICP2_190730A			SeqNo: 5813753		Prep Date: 7/29/2019		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	0.50								
Cadmium	ND	0.50								
Copper	ND	0.50								
Lead	ND	0.25								
Nickel	ND	0.25								
Selenium	ND	0.50								
Silver	ND	0.25								
Zinc	ND	0.50								

MBLK		Sample ID: MBLK-139916-139916				Units: mg/Kg		Analysis Date: 7/31/2019 12:07 PM		
Client ID:		Run ID: ICP2_190731A			SeqNo: 5816320		Prep Date: 7/29/2019		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium	ND	0.25								

LCS		Sample ID: LCS-139916-139916				Units: mg/Kg		Analysis Date: 7/30/2019 12:50 PM		
Client ID:		Run ID: ICP2_190730A			SeqNo: 5813754		Prep Date: 7/29/2019		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.805	0.25	5	0	96.1	80-120	0			
Barium	4.995	0.50	5	0	99.9	80-120	0			
Cadmium	5.084	0.50	5	0	102	80-120	0			
Copper	5.058	0.50	5	0	101	80-120	0			
Lead	5	0.25	5	0	100	80-120	0			
Nickel	4.95	0.25	5	0	99	80-120	0			
Selenium	4.835	0.50	5	0	96.7	80-120	0			
Silver	5.051	0.25	5	0	101	80-120	0			
Zinc	5.062	0.50	5	0	101	80-120	0			

LCS		Sample ID: LCS-139916-139916				Units: mg/Kg		Analysis Date: 7/31/2019 12:13 PM		
Client ID:		Run ID: ICP2_190731A			SeqNo: 5816321		Prep Date: 7/29/2019		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium	4.995	0.25	5	0	99.9	80-120	0			

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

Client: LT Environmental, Inc
 Work Order: 19071718
 Project: GGC 13-29 Excavation

QC BATCH REPORT

Batch ID: 139916 Instrument ID ICP2 Method: SW846 6010C

MS		Sample ID: 19071747-01AMS				Units: mg/Kg		Analysis Date: 7/30/2019 10:15 PM			
Client ID:		Run ID: ICP2_190730A				SeqNo: 5814495		Prep Date: 7/29/2019		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	9.035	0.33	6.527	4.375	71.4	75-125	0			S	
Barium	180.1	0.65	6.527	164.3	243	75-125	0			SO	
Cadmium	6.227	0.65	6.527	0.263	91.4	75-125	0				
Copper	14.84	0.65	6.527	9.776	77.6	75-125	0				
Lead	12.49	0.33	6.527	7.591	75	75-125	0				
Nickel	13.6	0.33	6.527	7.159	98.6	75-125	0				
Selenium	4.961	0.65	6.527	0.04987	75.2	75-125	0				
Silver	6.614	0.33	6.527	-0.0944	103	75-125	0				
Zinc	42.49	0.65	6.527	34.89	116	75-125	0			O	

MS		Sample ID: 19071747-01AMS				Units: mg/Kg		Analysis Date: 7/31/2019 11:33 PM			
Client ID:		Run ID: ICP2_190731A				SeqNo: 5817239		Prep Date: 7/29/2019		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Chromium	13.48	0.33	6.527	6.048	114	75-125	0				

MSD		Sample ID: 19071747-01AMSD				Units: mg/Kg		Analysis Date: 7/30/2019 10:21 PM			
Client ID:		Run ID: ICP2_190730A				SeqNo: 5814496		Prep Date: 7/29/2019		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	10.53	0.33	6.519	4.375	94.5	75-125	9.035	15.3	20		
Barium	238.8	0.65	6.519	164.3	1140	75-125	180.1	28	20	SRO	
Cadmium	6.239	0.65	6.519	0.263	91.7	75-125	6.227	0.184	20		
Copper	15.39	0.65	6.519	9.776	86.1	75-125	14.84	3.59	20		
Lead	12.85	0.33	6.519	7.591	80.7	75-125	12.49	2.9	20		
Nickel	13.32	0.33	6.519	7.159	94.5	75-125	13.6	2.07	20		
Selenium	5.143	0.65	6.519	0.04987	78.1	75-125	4.961	3.61	20		
Silver	6.491	0.33	6.519	-0.0944	101	75-125	6.614	1.87	20		
Zinc	43.73	0.65	6.519	34.89	136	75-125	42.49	2.88	20	SO	

MSD		Sample ID: 19071747-01AMSD				Units: mg/Kg		Analysis Date: 7/31/2019 11:39 PM			
Client ID:		Run ID: ICP2_190731A				SeqNo: 5817240		Prep Date: 7/29/2019		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Chromium	14.81	0.33	6.519	6.048	134	75-125	13.48	9.47	20	S	

The following samples were analyzed in this batch:

19071718-01A	19071718-02A	19071718-03A
19071718-04A	19071718-05A	19071718-06A
19071718-07A		

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

Client: LT Environmental, Inc
 Work Order: 19071718
 Project: GGC 13-29 Excavation

QC BATCH REPORT

Batch ID: 140109 Instrument ID ICPMS3 Method: SW6020A

DUP		Sample ID: 19071718-05ADUP				Units: mg/L		Analysis Date: 8/1/2019 01:58 PM		
Client ID: N. Wall W. Side @ 8.5'		Run ID: ICPMS3_190801A				SeqNo: 5818926		Prep Date: 8/1/2019		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	40.98	5.0	0	0	0	0-0	37.81	8.04		
Magnesium	9.513	2.0	0	0	0	0-0	8.721	8.69		
Sodium	8.644	2.0	0	0	0	0-0	7.932	8.59		

The following samples were analyzed in this batch:

19071718-01A	19071718-02A	19071718-03A
19071718-04A	19071718-05A	19071718-06A
19071718-07A		

Batch ID: 140109 Instrument ID SAR Method: USDA H60 Metho

DUP		Sample ID: 19071718-05ADUP				Units: none		Analysis Date: 8/1/2019		
Client ID: N. Wall W. Side @ 8.5'		Run ID: SAR_190801A				SeqNo: 5818961		Prep Date: 8/1/2019		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	0.3162	0.010	0	0	0		0.3024	4.48	50	

The following samples were analyzed in this batch:

19071718-01A	19071718-02A	19071718-03A
19071718-04A	19071718-05A	19071718-06A
19071718-07A		

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

Client: LT Environmental, Inc
 Work Order: 19071718
 Project: GGC 13-29 Excavation

QC BATCH REPORT

Batch ID: 139921 Instrument ID SVMS9 Method: SW846 8270D

MBLK		Sample ID: SBLKS1-139921-139921				Units: µg/Kg		Analysis Date: 7/30/2019 10:18 AM		
Client ID:		Run ID: SVMS9_190730A		SeqNo: 5813920		Prep Date: 7/29/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	6.7								
Anthracene	ND	6.7								
Benzo(a)anthracene	ND	6.7								
Benzo(a)pyrene	ND	6.7								
Benzo(b)fluoranthene	ND	6.7								
Benzo(k)fluoranthene	ND	6.7								
Chrysene	ND	6.7								
Dibenzo(a,h)anthracene	ND	6.7								
Fluoranthene	ND	6.7								
Fluorene	ND	6.7								
Indeno(1,2,3-cd)pyrene	ND	6.7								
Naphthalene	ND	6.7								
Pyrene	ND	6.7								
Surr: 2-Fluorobiphenyl	2735	0	3333	0	82.1	44-107	0			
Surr: 4-Terphenyl-d14	3028	0	3333	0	90.8	52-123	0			
Surr: Nitrobenzene-d5	2602	0	3333	0	78.1	41-94	0			

LCS		Sample ID: SLCSS1-139921-139921				Units: µg/Kg		Analysis Date: 7/30/2019 10:43 AM		
Client ID:		Run ID: SVMS9_190730A		SeqNo: 5813923		Prep Date: 7/29/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	940.7	6.7	1333	0	70.6	55-101	0			
Anthracene	1020	6.7	1333	0	76.5	67-105	0			
Benzo(a)anthracene	1015	6.7	1333	0	76.1	68-105	0			
Benzo(a)pyrene	1116	6.7	1333	0	83.7	68-110	0			
Benzo(b)fluoranthene	1070	6.7	1333	0	80.3	65-110	0			
Benzo(k)fluoranthene	1043	6.7	1333	0	78.3	66-113	0			
Chrysene	1051	6.7	1333	0	78.8	68-108	0			
Dibenzo(a,h)anthracene	1027	6.7	1333	0	77.1	62-119	0			
Fluoranthene	1076	6.7	1333	0	80.7	67-106	0			
Fluorene	998.7	6.7	1333	0	74.9	59-107	0			
Indeno(1,2,3-cd)pyrene	1021	6.7	1333	0	76.6	56-120	0			
Naphthalene	900.7	6.7	1333	0	67.6	46-98	0			
Pyrene	1028	6.7	1333	0	77.1	60-119	0			
Surr: 2-Fluorobiphenyl	2445	0	3333	0	73.3	44-107	0			
Surr: 4-Terphenyl-d14	2701	0	3333	0	81	52-123	0			
Surr: Nitrobenzene-d5	2422	0	3333	0	72.7	41-94	0			

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

Client: LT Environmental, Inc
 Work Order: 19071718
 Project: GGC 13-29 Excavation

QC BATCH REPORT

Batch ID: 139921 Instrument ID SVMS9 Method: SW846 8270D

MS				Sample ID: 19071718-01A MS			Units: µg/Kg		Analysis Date: 7/30/2019 01:15 PM		
Client ID: N. Wall E. Side @ 9'				Run ID: SVMS9_190730A			SeqNo: 5813943		Prep Date: 7/29/2019		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	787.2	6.4	1281	0	61.5	55-101	0				
Anthracene	877.5	6.4	1281	0	68.5	67-105	0				
Benzo(a)anthracene	882.7	6.4	1281	0	68.9	68-105	0				
Benzo(a)pyrene	961.4	6.4	1281	0	75.1	68-110	0				
Benzo(b)fluoranthene	892.9	6.4	1281	0	69.7	65-110	0				
Benzo(k)fluoranthene	872.4	6.4	1281	0	68.1	66-113	0				
Chrysene	882	6.4	1281	0	68.9	68-108	0				
Dibenzo(a,h)anthracene	871.8	6.4	1281	0	68.1	62-119	0				
Fluoranthene	896.7	6.4	1281	0	70	67-106	0				
Fluorene	837.2	6.4	1281	0	65.4	59-107	0				
Indeno(1,2,3-cd)pyrene	835.9	6.4	1281	0	65.3	56-120	0				
Naphthalene	803.9	6.4	1281	0	62.8	46-98	0				
Pyrene	901.2	6.4	1281	0	70.4	60-119	0				
Surr: 2-Fluorobiphenyl	2082	0	3202	0	65	44-107	0				
Surr: 4-Terphenyl-d14	2261	0	3202	0	70.6	52-123	0				
Surr: Nitrobenzene-d5	2175	0	3202	0	67.9	41-94	0				

MSD				Sample ID: 19071718-01A MSD			Units: µg/Kg		Analysis Date: 7/30/2019 01:40 PM		
Client ID: N. Wall E. Side @ 9'				Run ID: SVMS9_190730A			SeqNo: 5813945		Prep Date: 7/29/2019		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	836.2	6.6	1320	0	63.4	55-101	787.2	6.04	30		
Anthracene	932	6.6	1320	0	70.6	67-105	877.5	6.02	30		
Benzo(a)anthracene	965	6.6	1320	0	73.1	68-105	882.7	8.91	30		
Benzo(a)pyrene	1055	6.6	1320	0	80	68-110	961.4	9.32	30		
Benzo(b)fluoranthene	979.5	6.6	1320	0	74.2	65-110	892.9	9.25	30		
Benzo(k)fluoranthene	975.5	6.6	1320	0	73.9	66-113	872.4	11.2	30		
Chrysene	961.7	6.6	1320	0	72.9	68-108	882	8.64	30		
Dibenzo(a,h)anthracene	978.2	6.6	1320	0	74.1	62-119	871.8	11.5	30		
Fluoranthene	964.3	6.6	1320	0	73.1	67-106	896.7	7.26	30		
Fluorene	906.2	6.6	1320	0	68.7	59-107	837.2	7.92	30		
Indeno(1,2,3-cd)pyrene	935.3	6.6	1320	0	70.9	56-120	835.9	11.2	30		
Naphthalene	846.8	6.6	1320	0	64.2	46-98	803.9	5.2	30		
Pyrene	973.5	6.6	1320	0	73.8	60-119	901.2	7.71	30		
Surr: 2-Fluorobiphenyl	2240	0	3300	0	67.9	44-107	2082	7.3	40		
Surr: 4-Terphenyl-d14	2487	0	3300	0	75.4	52-123	2261	9.51	40		
Surr: Nitrobenzene-d5	2311	0	3300	0	70	41-94	2175	6.07	40		

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

Client: LT Environmental, Inc
Work Order: 19071718
Project: GGC 13-29 Excavation

QC BATCH REPORT

Batch ID: **139921**

Instrument ID **SVMS9**

Method: **SW846 8270D**

The following samples were analyzed in this batch:

19071718-01A	19071718-02A	19071718-03A
19071718-04A	19071718-05A	19071718-06A
19071718-07A		

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

Client: LT Environmental, Inc
 Work Order: 19071718
 Project: GGC 13-29 Excavation

QC BATCH REPORT

Batch ID: **139927** Instrument ID **VMS11** Method: **SW8260C**

MBLK		Sample ID: MBLK-139927-139927				Units: µg/Kg-dry		Analysis Date: 7/29/2019 10:56 PM		
Client ID:		Run ID: VMS11_190729A		SeqNo: 5812483		Prep Date: 7/29/2019		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								
<i>Surr: 1,2-Dichloroethane-d4</i>	1055	0	1000	0	106	70-130	0			
<i>Surr: 4-Bromofluorobenzene</i>	1002	0	1000	0	100	70-130	0			
<i>Surr: Dibromofluoromethane</i>	871.5	0	1000	0	87.2	70-130	0			
<i>Surr: Toluene-d8</i>	978.5	0	1000	0	97.8	70-130	0			

LCS		Sample ID: LCS-139927-139927				Units: µg/Kg-dry		Analysis Date: 7/29/2019 09:50 PM		
Client ID:		Run ID: VMS11_190729A		SeqNo: 5812482		Prep Date: 7/29/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1030	30	1000	0	103	75-125	0			
Ethylbenzene	1089	30	1000	0	109	75-125	0			
m,p-Xylene	2190	60	2000	0	110	80-125	0			
o-Xylene	1102	30	1000	0	110	75-125	0			
Toluene	1064	30	1000	0	106	70-125	0			
Xylenes, Total	3292	90	3000	0	110	75-125	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	1006	0	1000	0	101	70-130	0			
<i>Surr: 4-Bromofluorobenzene</i>	1008	0	1000	0	101	70-130	0			
<i>Surr: Dibromofluoromethane</i>	1025	0	1000	0	102	70-130	0			
<i>Surr: Toluene-d8</i>	1009	0	1000	0	101	70-130	0			

MS		Sample ID: 19071748-01A MS				Units: µg/Kg-dry		Analysis Date: 7/30/2019 05:11 AM		
Client ID:		Run ID: VMS11_190729A		SeqNo: 5812485		Prep Date: 7/29/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1233	46	1548	11.43	78.9	75-125	0			
Ethylbenzene	1239	46	1548	0	80	75-125	0			
m,p-Xylene	2554	93	3095	50.1	80.9	80-125	0			
o-Xylene	1264	46	1548	10.55	81	75-125	0			
Toluene	1239	46	1548	17.58	78.9	70-125	0			
Xylenes, Total	3818	140	4643	0	82.2	75-125	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	1565	0	1548	0	101	70-130	0			
<i>Surr: 4-Bromofluorobenzene</i>	1564	0	1548	0	101	70-130	0			
<i>Surr: Dibromofluoromethane</i>	1463	0	1548	0	94.6	70-130	0			
<i>Surr: Toluene-d8</i>	1527	0	1548	0	98.6	70-130	0			

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

Client: LT Environmental, Inc
 Work Order: 19071718
 Project: GGC 13-29 Excavation

QC BATCH REPORT

Batch ID: 139927 Instrument ID VMS11 Method: SW8260C

MSD		Sample ID: 19071748-01A MSD				Units: µg/Kg-dry		Analysis Date: 7/30/2019 05:33 AM		
Client ID:		Run ID: VMS11_190729A		SeqNo: 5812486		Prep Date: 7/29/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1634	53	1759	11.43	92.2	75-125	1233	28	30	
Ethylbenzene	1692	53	1759	0	96.2	75-125	1239	30.9	30	R
m,p-Xylene	3480	110	3519	50.1	97.5	80-125	2554	30.7	30	R
o-Xylene	1724	53	1759	10.55	97.4	75-125	1264	30.8	30	R
Toluene	1663	53	1759	17.58	93.6	70-125	1239	29.3	30	
Xylenes, Total	5204	160	5278	0	98.6	75-125	3818	30.7	30	R
Surr: 1,2-Dichloroethane-d4	1767	0	1759	0	100	70-130	1565	12.1	30	
Surr: 4-Bromofluorobenzene	1789	0	1759	0	102	70-130	1564	13.4	30	
Surr: Dibromofluoromethane	1709	0	1759	0	97.2	70-130	1463	15.5	30	
Surr: Toluene-d8	1756	0	1759	0	99.8	70-130	1527	14	30	

The following samples were analyzed in this batch:

19071718-01A	19071718-02A	19071718-03A
19071718-04A	19071718-05A	19071718-06A
19071718-07A		

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

Client: LT Environmental, Inc
 Work Order: 19071718
 Project: GGC 13-29 Excavation

QC BATCH REPORT

Batch ID: **139938** Instrument ID **WETCHEM** Method: **SW9045D**

LCS		Sample ID: LCS-139938-139938				Units: s.u.		Analysis Date: 7/29/2019 03:00 PM		
Client ID:		Run ID: WETCHEM_1907290		SeqNo: 5811328		Prep Date: 7/29/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	3.99	0.10	4	0	99.8	90-110	0			

DUP		Sample ID: 19071747-01A DUP				Units: s.u.		Analysis Date: 7/29/2019 03:00 PM		
Client ID:		Run ID: WETCHEM_1907290		SeqNo: 5811341		Prep Date: 7/29/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.7	0.10	0	0	0	0-0	8.8	1.14	20	
Temperature	21.8	0.10	0	0	0		21.8	0		

DUP		Sample ID: 19071748-01A DUP				Units: s.u.		Analysis Date: 7/29/2019 03:00 PM		
Client ID:		Run ID: WETCHEM_1907290		SeqNo: 5811343		Prep Date: 7/29/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.7	0.10	0	0	0	0-0	8.63	0.808	20	
Temperature	21.3	0.10	0	0	0		21.2	0.471		

The following samples were analyzed in this batch:

19071718-01A	19071718-02A	19071718-03A
19071718-04A	19071718-05A	19071718-06A
19071718-07A		

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

Client: LT Environmental, Inc
 Work Order: 19071718
 Project: GGC 13-29 Excavation

QC BATCH REPORT

Batch ID: **140054** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK		Sample ID: MBLK-140054-140054				Units: mg/Kg		Analysis Date: 7/31/2019 02:47 PM		
Client ID:		Run ID: WETCHEM_190731Q		SeqNo: 5816516		Prep Date: 7/31/2019		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-140054-140054				Units: mg/Kg		Analysis Date: 7/31/2019 02:47 PM		
Client ID:		Run ID: WETCHEM_190731Q		SeqNo: 5816517		Prep Date: 7/31/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	4.8	1.0	5	0	96	80-120	0			

MS		Sample ID: 19071603-05A MS				Units: mg/Kg		Analysis Date: 7/31/2019 02:47 PM		
Client ID:		Run ID: WETCHEM_190731Q		SeqNo: 5816519		Prep Date: 7/31/2019		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	5	0.55	-11	75-125	0			S

MS		Sample ID: 19071603-05A MSI				Units: mg/Kg		Analysis Date: 7/31/2019 02:47 PM		
Client ID:		Run ID: WETCHEM_190731Q		SeqNo: 5816521		Prep Date: 7/31/2019		DF: 100		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	2024	100	2446	0.55	82.7	75-125	0			

MSD		Sample ID: 19071603-05A MSD				Units: mg/Kg		Analysis Date: 7/31/2019 02:47 PM		
Client ID:		Run ID: WETCHEM_190731Q		SeqNo: 5816520		Prep Date: 7/31/2019		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	5	0.55	-11	75-125	0.55	0	20	S

The following samples were analyzed in this batch:

19071718-01A	19071718-02A	19071718-03A
19071718-04A	19071718-05A	19071718-06A
19071718-07A		

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

Client: LT Environmental, Inc
 Work Order: 19071718
 Project: GGC 13-29 Excavation

QC BATCH REPORT

Batch ID: 140109 Instrument ID WETCHEM Method: USDA H60 Metho

MBLK	Sample ID: MB-R267351-140109		Units: mmhos/cm @25°		Analysis Date: 8/1/2019 12:30 PM					
Client ID:	Run ID: WETCHEM_190801N		SeqNo: 5818658		Prep Date: DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	ND	0.0050	0	0	0		0			

DUP	Sample ID: 19071718-05A DUP		Units: mmhos/cm @25°		Analysis Date: 8/1/2019 12:30 PM					
Client ID: N. Wall W. Side @ 8.5'	Run ID: WETCHEM_190801N		SeqNo: 5818665		Prep Date: DF: 20					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	0.3466	0.10	0	0	0		0.3114	10.7	50	

LCS1	Sample ID: LCS1-140109		Units: mmhos/cm @25°		Analysis Date: 8/1/2019 12:30 PM					
Client ID:	Run ID: WETCHEM_190801N		SeqNo: 5818659		Prep Date: DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	0.01404	0.0050	0.0149	0	94.2	92-111	0			

LCS2	Sample ID: LCS2-140109		Units: mmhos/cm @25°		Analysis Date: 8/1/2019 12:30 PM					
Client ID:	Run ID: WETCHEM_190801N		SeqNo: 5818669		Prep Date: DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	0.591	0.0050	0.592	0	99.8	88-114	0			

The following samples were analyzed in this batch:

19071718-01A	19071718-02A	19071718-03A
19071718-04A	19071718-05A	19071718-06A
19071718-07A		

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

Client: LT Environmental, Inc
 Work Order: 19071718
 Project: GGC 13-29 Excavation

QC BATCH REPORT

Batch ID: **R267068** Instrument ID **MOIST** Method: **SW3550C**

MBLK		Sample ID: WBLKS-R267068				Units: % of sample			Analysis Date: 7/29/2019 12:17 PM		
Client ID:		Run ID: MOIST_190729B				SeqNo: 5812429			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-R267068				Units: % of sample			Analysis Date: 7/29/2019 12:17 PM		
Client ID:		Run ID: MOIST_190729B				SeqNo: 5812428			Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Moisture	100	0.10	100	0	100	98-102	0				

DUP		Sample ID: 19071557-08B DUP				Units: % of sample			Analysis Date: 7/29/2019 12:17 PM		
Client ID:		Run ID: MOIST_190729B				SeqNo: 5812414			Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Moisture	10.53	0.10	0	0	0	0-0	12.17	14.4	10	R	

DUP		Sample ID: 19071639-01A DUP				Units: % of sample			Analysis Date: 7/29/2019 12:17 PM		
Client ID:		Run ID: MOIST_190729B				SeqNo: 5812421			Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Moisture	0.33	0.10	0	0	0	0-0	0.31	6.25	10		

The following samples were analyzed in this batch:

19071718-01A

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

Client: LT Environmental, Inc
 Work Order: 19071718
 Project: GGC 13-29 Excavation

QC BATCH REPORT

Batch ID: **R267074** Instrument ID **MOIST** Method: **SW3550C**

MBLK		Sample ID: WBLKS-R267074				Units: % of sample			Analysis Date: 7/29/2019 02:52 PM		
Client ID:		Run ID: MOIST_190729C				SeqNo: 5812519		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-R267074				Units: % of sample			Analysis Date: 7/29/2019 02:52 PM		
Client ID:		Run ID: MOIST_190729C				SeqNo: 5812518		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Moisture	100	0.10	100		0	100	98-102	0			

DUP		Sample ID: 19071676-08B				Units: % of sample			Analysis Date: 7/29/2019 02:52 PM		
Client ID:		Run ID: MOIST_190729C				SeqNo: 5812494		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Moisture	4.51	0.10	0		0	0	0-0	4.58	1.54	10	

DUP		Sample ID: 19071777-01B DUP				Units: % of sample			Analysis Date: 7/29/2019 02:52 PM		
Client ID:		Run ID: MOIST_190729C				SeqNo: 5812515		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Moisture	13.48	0.10	0		0	0	0-0	13.46	0.148	10	

The following samples were analyzed in this batch:

19071718-02A	19071718-03A	19071718-04A
19071718-05A	19071718-06A	19071718-07A

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

Sample Receipt Checklist

Client Name: **LTENV**
 Work Order: **19071718**

Date/Time Received: **26-Jul-19 09:30**
 Received by: **DS**

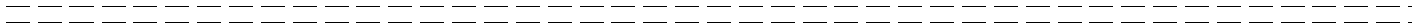
Checklist completed by Diane Shaw 26-Jul-19
eSignature Date

Reviewed by: Chad Whilton 29-Jul-19
eSignature Date

Matrices: Soil
 Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample(s) received on ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>4.6/4.6 c</u>		<u>SR2</u>
Cooler(s)/Kit(s):	<u></u>		
Date/Time sample(s) sent to storage:	<u>7/26/2019 3:06:18 PM</u>		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:	<u></u>		

Login Notes:



Client Contacted: _____ Date Contacted: _____ Person Contacted: _____
 Contacted By: _____ Regarding: _____

Comments:

CorrectiveAction: