05-Dec-2019

Rob Rebel
LT Environmental, Inc
820 Megan Ave. Unit B
Rifle, CO 81650

Re: **Powder Wash Compressor Station South Pit** Work Order: **19111959**

Dear Rob,

ALS Environmental received 7 samples on 23-Nov-2019 10:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 41.

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

ALS Group, USA

Date: 05-Dec-19

Client: LT Environmental, Inc
Project: Powder Wash Compressor Station South Pit
Work Order: **19111959**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
19111959-01	SB04 @ 35-36.5'	Soil		11/19/2019 08:20	11/23/2019 10:30	☐
19111959-02	SB03 @ 5-7'	Soil		11/19/2019 10:00	11/23/2019 10:30	☐
19111959-03	SB03 @ 20-22'	Soil		11/19/2019 10:40	11/23/2019 10:30	☐
19111959-04	SB03 @ 32-33.5'	Soil		11/19/2019 11:25	11/23/2019 10:30	☐
19111959-05	SB02 @ 5-7'	Soil		11/19/2019 12:40	11/23/2019 10:30	☐
19111959-06	SB02 @ 30-32'	Soil		11/19/2019 13:50	11/23/2019 10:30	☐
19111959-07	SB02 @ 35.5-36.5'	Soil		11/19/2019 14:20	11/23/2019 10:30	☐

Client:	LT Environmental, Inc
Project:	Powder Wash Compressor Station South Pit
Work Order:	19111959

Case Narrative

Batch 146211, Method VOC_8260_S, Sample 19111959-03A: VOC surrogate recovery high due to matrix interference.

Batch 146213, Method GRO_8015_S, Samples 19111959-03A,, -04a, and -07a: DRO surrogate recoveries high due to matrix interference.

Batch 146279, Method PNLVI_8270_S, Samples 19111959-01A, -04A, and -06A: One or more PAH surrogate recoveries were below the lower control limits. The sample results may be biased low.

Batch 146294, Method ICP_6020_S, Samples 19111959-02A, -05A, -06A, and -07A: The concentration in the Method Blank was greater than the quantitation limit for Chromium. The sample results were greater than 10x the concentration in the Method Blank; therefore, no qualification is required.

Batch 146294, Method ICP_6020_S, Sample 19111959-04A: The reporting limits for Cadmium and Silver are elevated due to internal standard failure in the undiluted run.

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: *05-Dec-19*

Client: LT Environmental, Inc
Project: Powder Wash Compressor Station South Pit
Work Order: 19111959
Sample ID: SB04 @ 35-36.5'
Lab ID: 19111959-01
Collection Date: 11/19/2019 08:20 AM
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**	Prep: SW3550 12/2/19 19:08		Analyst: **BCM**
DRO (C10-C28)	ND		5.8	mg/Kg-dry	1	12/4/2019 04:29 AM
Surr: 4-Terphenyl-d14	*59.5*		*33-111*	*%REC*	1	12/4/2019 04:29 AM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 11/26/19 10:25		Analyst: **BCM**
GRO (C6-C10)	**65**		**5.4**	**mg/Kg**	1	12/2/2019 01:35 PM
Surr: Toluene-d8	*80.7*		*71-123*	*%REC*	1	12/2/2019 01:35 PM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 11/27/19 15:37		Analyst: **RSH**
Mercury	**0.023**		**0.021**	**mg/Kg-dry**	1	12/2/2019 12:42 PM
METALS BY ICP-MS			**SW6020A**	Prep: SW3050B 11/27/19 14:17		Analyst: **STP**
Arsenic	**3.5**		**0.40**	**mg/Kg-dry**	1	11/27/2019 07:16 PM
Barium	**22**		**0.40**	**mg/Kg-dry**	1	11/27/2019 07:16 PM
Cadmium	**2.5**		**0.16**	**mg/Kg-dry**	1	11/27/2019 07:16 PM
Chromium	**11**		**0.40**	**mg/Kg-dry**	1	11/27/2019 07:16 PM
Copper	**9.4**		**0.40**	**mg/Kg-dry**	1	11/27/2019 07:16 PM
Lead	**9.4**		**0.40**	**mg/Kg-dry**	1	11/27/2019 07:16 PM
Nickel	**11**		**0.40**	**mg/Kg-dry**	1	11/27/2019 07:16 PM
Selenium	**0.51**		**0.40**	**mg/Kg-dry**	1	11/27/2019 07:16 PM
Silver	ND		0.40	mg/Kg-dry	1	11/27/2019 07:16 PM
Zinc	**62**		**0.81**	**mg/Kg-dry**	1	11/27/2019 07:16 PM
SOLUBLE CATIONS FOR SAR			**SW6020A**	Prep: USDA Method 20B 11/27/19 11:19		Analyst: **STP**
Calcium	**610**		**5.0**	**mg/L**	10	11/27/2019 02:27 PM
Magnesium	**120**		**2.0**	**mg/L**	10	11/27/2019 02:27 PM
Sodium	**75**		**2.0**	**mg/L**	10	11/27/2019 02:27 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 11/27/19 11:19		Analyst: **STP**
Sodium Adsorption Ratio	**0.73**		**0.010**	**none**	1	11/27/2019
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			**SW846 8270D**	Prep: SW3546 12/3/19 16:27		Analyst: **EEW**
Acenaphthene	ND		0.015	mg/Kg-dry	1	12/4/2019 01:34 PM
Anthracene	ND		0.015	mg/Kg-dry	1	12/4/2019 01:34 PM
Benzo(a)anthracene	**0.047**		**0.015**	**mg/Kg-dry**	1	12/4/2019 01:34 PM
Benzo(a)pyrene	ND		0.015	mg/Kg-dry	1	12/4/2019 01:34 PM
Benzo(b)fluoranthene	**0.020**		**0.015**	**mg/Kg-dry**	1	12/4/2019 01:34 PM
Benzo(k)fluoranthene	ND		0.015	mg/Kg-dry	1	12/4/2019 01:34 PM
Chrysene	ND		0.015	mg/Kg-dry	1	12/4/2019 01:34 PM
Dibenzo(a,h)anthracene	ND		0.015	mg/Kg-dry	1	12/4/2019 01:34 PM
Fluoranthene	ND		0.015	mg/Kg-dry	1	12/4/2019 01:34 PM

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

Client: LT Environmental, Inc
Project: Powder Wash Compressor Station South Pit **Work Order:** 19111959
Sample ID: SB04 @ 35-36.5' **Lab ID:** 19111959-01
Collection Date: 11/19/2019 08:20 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.015	mg/Kg-dry	1	12/4/2019 01:34 PM
Indeno(1,2,3-cd)pyrene	**0.021**		**0.015**	**mg/Kg-dry**	1	12/4/2019 01:34 PM
Naphthalene	**0.023**		**0.015**	**mg/Kg-dry**	1	12/4/2019 01:34 PM
Pyrene	ND		0.015	mg/Kg-dry	1	12/4/2019 01:34 PM
Surr: 2-Fluorobiphenyl	*79.9*		*20-140*	*%REC*	1	12/4/2019 01:34 PM
Surr: 4-Terphenyl-d14	*89.6*		*22-172*	*%REC*	1	12/4/2019 01:34 PM
Surr: Nitrobenzene-d5	*71.5*		*28-140*	*%REC*	1	12/4/2019 01:34 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260C**	Prep: SW5035 11/26/19 10:20		Analyst: **MF**
Benzene	**1.3**		**0.047**	**mg/Kg-dry**	1	11/30/2019 01:18 PM
Ethylbenzene	**1.9**		**0.047**	**mg/Kg-dry**	1	11/30/2019 01:18 PM
m,p-Xylene	**7.5**		**0.094**	**mg/Kg-dry**	1	11/30/2019 01:18 PM
o-Xylene	**2.2**		**0.047**	**mg/Kg-dry**	1	11/30/2019 01:18 PM
Toluene	**7.5**		**0.047**	**mg/Kg-dry**	1	11/30/2019 01:18 PM
Xylenes, Total	**9.7**		**0.14**	**mg/Kg-dry**	1	11/30/2019 01:18 PM
Surr: 1,2-Dichloroethane-d4	*82.8*		*70-130*	*%REC*	1	11/30/2019 01:18 PM
Surr: 4-Bromofluorobenzene	*98.4*		*70-130*	*%REC*	1	11/30/2019 01:18 PM
Surr: Dibromofluoromethane	*94.2*		*70-130*	*%REC*	1	11/30/2019 01:18 PM
Surr: Toluene-d8	*102*		*70-130*	*%REC*	1	11/30/2019 01:18 PM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 11/27/19 11:19		Analyst: **QTN**
Electrical Conductivity @ Saturation	**4.7**		**0.10**	**mmhos/cm @2**	20	11/27/2019 12:54 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**11**		**1.2**	**mg/Kg-dry**	1	12/3/2019 09:00 AM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 11/27/19 08:00		Analyst: **RZM**
Chromium, Hexavalent	ND		1.2	mg/Kg-dry	1	11/27/2019 03:04 PM
MOISTURE			**SW3550C**			Analyst: **KTP**
Moisture	**19**		**0.10**	**% of sample**	1	11/26/2019 04:14 PM
PH			**SW9045D**	Prep: EXTRACT 11/25/19 16:05		Analyst: **DNW**
pH	**7.55**		**0.100**	**s.u.**	1	11/26/2019 10:00 AM
Temperature	**20.6**		**0.100**	**°C**	1	11/26/2019 10:00 AM

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

Client: LT Environmental, Inc
Project: Powder Wash Compressor Station South Pit **Work Order:** 19111959
Sample ID: SB03 @ 5-7' **Lab ID:** 19111959-02
Collection Date: 11/19/2019 10:00 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**	Prep: SW3550 12/2/19 19:08		Analyst: **BCM**
DRO (C10-C28)	ND		5.7	mg/Kg-dry	1	12/4/2019 03:59 AM
Surr: 4-Terphenyl-d14	*67.9*		*33-111*	*%REC*	1	12/4/2019 03:59 AM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 11/26/19 10:25		Analyst: **BCM**
GRO (C6-C10)	ND		4.9	mg/Kg	1	12/2/2019 02:04 PM
Surr: Toluene-d8	*81.9*		*71-123*	*%REC*	1	12/2/2019 02:04 PM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 11/27/19 15:37		Analyst: **RSH**
Mercury	ND		0.023	mg/Kg-dry	1	12/2/2019 12:44 PM
METALS BY ICP-MS			**SW6020A**	Prep: SW3050B 11/27/19 14:17		Analyst: **STP**
Arsenic	**6.3**		**0.41**	**mg/Kg-dry**	1	11/27/2019 07:18 PM
Barium	**47**		**0.41**	**mg/Kg-dry**	1	11/27/2019 07:18 PM
Cadmium	**0.37**		**0.16**	**mg/Kg-dry**	1	11/27/2019 07:18 PM
Chromium	**5.9**	B	**0.41**	**mg/Kg-dry**	1	11/27/2019 07:18 PM
Copper	**6.6**		**0.41**	**mg/Kg-dry**	1	11/27/2019 07:18 PM
Lead	**15**		**0.41**	**mg/Kg-dry**	1	11/27/2019 07:18 PM
Nickel	**7.1**		**0.41**	**mg/Kg-dry**	1	11/27/2019 07:18 PM
Selenium	**1.4**		**0.41**	**mg/Kg-dry**	1	11/27/2019 07:18 PM
Silver	ND		0.41	mg/Kg-dry	1	11/27/2019 07:18 PM
Zinc	**24**		**0.82**	**mg/Kg-dry**	1	11/27/2019 07:18 PM
SOLUBLE CATIONS FOR SAR			**SW6020A**	Prep: USDA Method 20B 11/27/19 11:19		Analyst: **STP**
Calcium	**180**		**5.0**	**mg/L**	10	11/27/2019 02:28 PM
Magnesium	**21**		**2.0**	**mg/L**	10	11/27/2019 02:28 PM
Sodium	**9.8**		**2.0**	**mg/L**	10	11/27/2019 02:28 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 11/27/19 11:19		Analyst: **STP**
Sodium Adsorption Ratio	**0.18**		**0.010**	**none**	1	11/27/2019
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			**SW846 8270D**	Prep: SW3546 11/27/19 16:58		Analyst: **EEW**
Acenaphthene	ND		0.0047	mg/Kg-dry	1	11/29/2019 07:17 PM
Anthracene	ND		0.0047	mg/Kg-dry	1	11/29/2019 07:17 PM
Benzo(a)anthracene	ND		0.0047	mg/Kg-dry	1	11/29/2019 07:17 PM
Benzo(a)pyrene	ND		0.0047	mg/Kg-dry	1	11/29/2019 07:17 PM
Benzo(b)fluoranthene	ND		0.0047	mg/Kg-dry	1	11/29/2019 07:17 PM
Benzo(k)fluoranthene	ND		0.0047	mg/Kg-dry	1	11/29/2019 07:17 PM
Chrysene	ND		0.0047	mg/Kg-dry	1	11/29/2019 07:17 PM
Dibenzo(a,h)anthracene	ND		0.0047	mg/Kg-dry	1	11/29/2019 07:17 PM
Fluoranthene	ND		0.0047	mg/Kg-dry	1	11/29/2019 07:17 PM

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

Client: LT Environmental, Inc
Project: Powder Wash Compressor Station South Pit **Work Order:** 19111959
Sample ID: SB03 @ 5-7' **Lab ID:** 19111959-02
Collection Date: 11/19/2019 10:00 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.0047	mg/Kg-dry	1	11/29/2019 07:17 PM
Indeno(1,2,3-cd)pyrene	ND		0.0047	mg/Kg-dry	1	11/29/2019 07:17 PM
Naphthalene	ND		0.0047	mg/Kg-dry	1	11/29/2019 07:17 PM
Pyrene	ND		0.0047	mg/Kg-dry	1	11/29/2019 07:17 PM
Surr: 2-Fluorobiphenyl	*88.8*		*20-140*	*%REC*	1	11/29/2019 07:17 PM
Surr: 4-Terphenyl-d14	*75.5*		*22-172*	*%REC*	1	11/29/2019 07:17 PM
Surr: Nitrobenzene-d5	*84.9*		*28-140*	*%REC*	1	11/29/2019 07:17 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260C**	Prep: SW5035 11/26/19 10:20		Analyst: **MF**
Benzene	ND		0.039	mg/Kg-dry	1	11/30/2019 01:35 PM
Ethylbenzene	ND		0.039	mg/Kg-dry	1	11/30/2019 01:35 PM
m,p-Xylene	ND		0.078	mg/Kg-dry	1	11/30/2019 01:35 PM
o-Xylene	ND		0.039	mg/Kg-dry	1	11/30/2019 01:35 PM
Toluene	ND		0.039	mg/Kg-dry	1	11/30/2019 01:35 PM
Xylenes, Total	ND		0.12	mg/Kg-dry	1	11/30/2019 01:35 PM
Surr: 1,2-Dichloroethane-d4	*88.9*		*70-130*	*%REC*	1	11/30/2019 01:35 PM
Surr: 4-Bromofluorobenzene	*95.4*		*70-130*	*%REC*	1	11/30/2019 01:35 PM
Surr: Dibromofluoromethane	*92.2*		*70-130*	*%REC*	1	11/30/2019 01:35 PM
Surr: Toluene-d8	*95.8*		*70-130*	*%REC*	1	11/30/2019 01:35 PM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 11/27/19 11:19		Analyst: **QTN**
Electrical Conductivity @ Saturation	**1.4**		**0.10**	**mmhos/cm @2**	20	11/27/2019 12:54 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**5.9**		**1.2**	**mg/Kg-dry**	1	12/3/2019 09:00 AM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 11/27/19 08:00		Analyst: **RZM**
Chromium, Hexavalent	ND		1.2	mg/Kg-dry	1	11/27/2019 03:04 PM
MOISTURE			**SW3550C**			Analyst: **KTP**
Moisture	**14**		**0.10**	**% of sample**	1	11/26/2019 05:18 PM
PH			**SW9045D**	Prep: EXTRACT 11/25/19 16:05		Analyst: **DNW**
pH	**7.73**		**0.100**	**s.u.**	1	11/26/2019 10:00 AM
Temperature	**20.5**		**0.100**	**°C**	1	11/26/2019 10:00 AM

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

Client: LT Environmental, Inc
Project: Powder Wash Compressor Station South Pit **Work Order:** 19111959
Sample ID: SB03 @ 20-22' **Lab ID:** 19111959-03
Collection Date: 11/19/2019 10:40 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**	Prep: SW3550 12/2/19 19:08		Analyst: **BCM**
DRO (C10-C28)	**51**		**5.9**	**mg/Kg-dry**	1	12/3/2019 05:17 PM
Surr: 4-Terphenyl-d14	*49.8*		*33-111*	*%REC*	1	12/3/2019 05:17 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 11/26/19 10:25		Analyst: **BCM**
GRO (C6-C10)	**13,000**		**35**	**mg/Kg**	5	12/3/2019 11:19 AM
Surr: Toluene-d8	*181*	S	*71-123*	*%REC*	5	12/3/2019 11:19 AM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 11/27/19 15:37		Analyst: **RSH**
Mercury	ND		0.023	mg/Kg-dry	1	12/2/2019 12:47 PM
METALS BY ICP-MS			**SW6020A**	Prep: SW3050B 11/27/19 14:17		Analyst: **STP**
Arsenic	**1.0**		**0.47**	**mg/Kg-dry**	1	11/27/2019 07:20 PM
Barium	**34**		**0.47**	**mg/Kg-dry**	1	11/27/2019 07:20 PM
Cadmium	**0.55**		**0.19**	**mg/Kg-dry**	1	11/27/2019 07:20 PM
Chromium	**5.5**		**0.47**	**mg/Kg-dry**	1	11/27/2019 07:20 PM
Copper	**8.4**		**0.47**	**mg/Kg-dry**	1	11/27/2019 07:20 PM
Lead	**6.2**		**0.47**	**mg/Kg-dry**	1	11/27/2019 07:20 PM
Nickel	**4.9**		**0.47**	**mg/Kg-dry**	1	11/27/2019 07:20 PM
Selenium	**1.1**		**0.47**	**mg/Kg-dry**	1	11/27/2019 07:20 PM
Silver	ND		0.47	mg/Kg-dry	1	11/27/2019 07:20 PM
Zinc	**37**		**0.94**	**mg/Kg-dry**	1	11/27/2019 07:20 PM
SOLUBLE CATIONS FOR SAR			**SW6020A**	Prep: USDA Method 20B 11/27/19 11:19		Analyst: **STP**
Calcium	**87**		**5.0**	**mg/L**	10	11/27/2019 02:31 PM
Magnesium	**23**		**2.0**	**mg/L**	10	11/27/2019 02:31 PM
Sodium	**130**		**2.0**	**mg/L**	10	11/27/2019 02:31 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 11/27/19 11:19		Analyst: **STP**
Sodium Adsorption Ratio	**3.2**		**0.010**	**none**	1	11/27/2019
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			**SW846 8270D**	Prep: SW3546 11/27/19 16:58		Analyst: **EEW**
Acenaphthene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:32 PM
Anthracene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:32 PM
Benzo(a)anthracene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:32 PM
Benzo(a)pyrene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:32 PM
Benzo(b)fluoranthene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:32 PM
Benzo(k)fluoranthene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:32 PM
Chrysene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:32 PM
Dibenzo(a,h)anthracene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:32 PM
Fluoranthene	**0.0055**		**0.0050**	**mg/Kg-dry**	1	11/29/2019 07:32 PM

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

Client: LT Environmental, Inc
Project: Powder Wash Compressor Station South Pit **Work Order:** 19111959
Sample ID: SB03 @ 20-22' **Lab ID:** 19111959-03
Collection Date: 11/19/2019 10:40 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:32 PM
Indeno(1,2,3-cd)pyrene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:32 PM
Naphthalene	**0.099**		**0.0050**	**mg/Kg-dry**	1	11/29/2019 07:32 PM
Pyrene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:32 PM
Surr: 2-Fluorobiphenyl	*61.8*		*20-140*	*%REC*	1	11/29/2019 07:32 PM
Surr: 4-Terphenyl-d14	*25.6*		*22-172*	*%REC*	1	11/29/2019 07:32 PM
Surr: Nitrobenzene-d5	*65.4*		*28-140*	*%REC*	1	11/29/2019 07:32 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260C**	Prep: SW5035 11/26/19 10:20		Analyst: **JNS**
Benzene	**700**		**4.3**	**mg/Kg-dry**	100	12/1/2019 05:01 PM
Ethylbenzene	**470**		**4.3**	**mg/Kg-dry**	100	12/1/2019 05:01 PM
m,p-Xylene	**17**		**0.85**	**mg/Kg-dry**	10	12/2/2019 08:26 PM
o-Xylene	**480**		**4.3**	**mg/Kg-dry**	100	12/1/2019 05:01 PM
Toluene	**26**		**0.43**	**mg/Kg-dry**	10	12/2/2019 08:26 PM
Xylenes, Total	**21**		**1.3**	**mg/Kg-dry**	10	12/2/2019 08:26 PM
Surr: 1,2-Dichloroethane-d4	*108*		*70-130*	*%REC*	10	12/2/2019 08:26 PM
Surr: 1,2-Dichloroethane-d4	*102*		*70-130*	*%REC*	100	12/1/2019 05:01 PM
Surr: 4-Bromofluorobenzene	*103*		*70-130*	*%REC*	10	12/2/2019 08:26 PM
Surr: 4-Bromofluorobenzene	*108*		*70-130*	*%REC*	100	12/1/2019 05:01 PM
Surr: Dibromofluoromethane	*103*		*70-130*	*%REC*	10	12/2/2019 08:26 PM
Surr: Dibromofluoromethane	*97.1*		*70-130*	*%REC*	100	12/1/2019 05:01 PM
Surr: Toluene-d8	*146*	S	*70-130*	*%REC*	100	12/1/2019 05:01 PM
Surr: Toluene-d8	*121*		*70-130*	*%REC*	10	12/2/2019 08:26 PM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 11/27/19 11:19		Analyst: **QTN**
Electrical Conductivity @ Saturation	**1.4**		**0.10**	**mmhos/cm @2**	20	11/27/2019 12:54 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**5.5**		**1.2**	**mg/Kg-dry**	1	12/3/2019 09:00 AM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 11/27/19 08:00		Analyst: **RZM**
Chromium, Hexavalent	ND		1.2	mg/Kg-dry	1	11/27/2019 03:04 PM
MOISTURE			**SW3550C**			Analyst: **KTP**
Moisture	**17**		**0.10**	**% of sample**	1	11/26/2019 05:18 PM
PH			**SW9045D**	Prep: EXTRACT 11/25/19 16:05		Analyst: **DNW**
pH	**7.78**		**0.100**	**s.u.**	1	11/26/2019 10:00 AM
Temperature	**20.5**		**0.100**	**°C**	1	11/26/2019 10:00 AM

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

Client: LT Environmental, Inc
Project: Powder Wash Compressor Station South Pit **Work Order:** 19111959
Sample ID: SB03 @ 32-33.5' **Lab ID:** 19111959-04
Collection Date: 11/19/2019 11:25 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**	Prep: SW3550 12/2/19 19:08		Analyst: **BCM**
DRO (C10-C28)	**100**		**6.1**	**mg/Kg-dry**	1	12/3/2019 05:46 PM
Surr: 4-Terphenyl-d14	*55.5*		*33-111*	*%REC*	1	12/3/2019 05:46 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 11/26/19 10:25		Analyst: **BCM**
GRO (C6-C10)	**7,800**		**36**	**mg/Kg**	5	12/3/2019 11:48 AM
Surr: Toluene-d8	*124*	S	*71-123*	*%REC*	5	12/3/2019 11:48 AM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 11/27/19 15:37		Analyst: **RSH**
Mercury	**0.040**		**0.021**	**mg/Kg-dry**	1	12/2/2019 12:49 PM
METALS BY ICP-MS			**SW6020A**	Prep: SW3050B 11/27/19 14:17		Analyst: **STP**
Arsenic	**12**		**4.6**	**mg/Kg-dry**	10	12/2/2019 02:55 PM
Barium	**44**		**0.46**	**mg/Kg-dry**	1	11/27/2019 07:22 PM
Cadmium	ND		1.8	mg/Kg-dry	10	12/2/2019 02:55 PM
Chromium	**19**		**4.6**	**mg/Kg-dry**	10	12/2/2019 02:55 PM
Copper	**31**		**4.6**	**mg/Kg-dry**	10	12/2/2019 02:55 PM
Lead	**35**		**0.46**	**mg/Kg-dry**	1	11/27/2019 07:22 PM
Nickel	**39**		**4.6**	**mg/Kg-dry**	10	12/2/2019 02:55 PM
Selenium	**5.8**		**4.6**	**mg/Kg-dry**	10	12/2/2019 02:55 PM
Silver	ND		4.6	mg/Kg-dry	10	12/2/2019 02:55 PM
Zinc	**150**		**9.1**	**mg/Kg-dry**	10	12/2/2019 02:55 PM
SOLUBLE CATIONS FOR SAR			**SW6020A**	Prep: USDA Method 20B 11/27/19 11:19		Analyst: **STP**
Calcium	**630**		**5.0**	**mg/L**	10	11/27/2019 02:33 PM
Magnesium	**130**		**2.0**	**mg/L**	10	11/27/2019 02:33 PM
Sodium	**75**		**2.0**	**mg/L**	10	11/27/2019 02:33 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 11/27/19 11:19		Analyst: **STP**
Sodium Adsorption Ratio	**0.71**		**0.010**	**none**	1	11/27/2019
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			**SW846 8270D**	Prep: SW3546 11/27/19 16:58		Analyst: **EEW**
Acenaphthene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:48 PM
Anthracene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:48 PM
Benzo(a)anthracene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:48 PM
Benzo(a)pyrene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:48 PM
Benzo(b)fluoranthene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:48 PM
Benzo(k)fluoranthene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:48 PM
Chrysene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:48 PM
Dibenzo(a,h)anthracene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:48 PM
Fluoranthene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:48 PM

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

Client: LT Environmental, Inc
Project: Powder Wash Compressor Station South Pit **Work Order:** 19111959
Sample ID: SB03 @ 32-33.5' **Lab ID:** 19111959-04
Collection Date: 11/19/2019 11:25 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:48 PM
Indeno(1,2,3-cd)pyrene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:48 PM
Naphthalene	**0.34**		**0.0050**	**mg/Kg-dry**	1	11/29/2019 07:48 PM
Pyrene	ND		0.0050	mg/Kg-dry	1	11/29/2019 07:48 PM
Surr: 2-Fluorobiphenyl	*54.9*		*20-140*	*%REC*	1	11/29/2019 07:48 PM
Surr: 4-Terphenyl-d14	*8.68*	S	*22-172*	*%REC*	1	11/29/2019 07:48 PM
Surr: Nitrobenzene-d5	*28.5*		*28-140*	*%REC*	1	11/29/2019 07:48 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260C**	Prep: SW5035 11/26/19 10:20		Analyst: **SJB**
Benzene	**82**		**2.2**	**mg/Kg-dry**	50	12/2/2019 02:14 PM
Ethylbenzene	**53**		**2.2**	**mg/Kg-dry**	50	12/2/2019 02:14 PM
m,p-Xylene	**260**		**4.4**	**mg/Kg-dry**	50	12/2/2019 02:14 PM
o-Xylene	**57**		**2.2**	**mg/Kg-dry**	50	12/2/2019 02:14 PM
Toluene	**350**		**2.2**	**mg/Kg-dry**	50	12/2/2019 02:14 PM
Xylenes, Total	**310**		**6.6**	**mg/Kg-dry**	50	12/2/2019 02:14 PM
Surr: 1,2-Dichloroethane-d4	*95.4*		*70-130*	*%REC*	50	12/2/2019 02:14 PM
Surr: 4-Bromofluorobenzene	*105*		*70-130*	*%REC*	50	12/2/2019 02:14 PM
Surr: Dibromofluoromethane	*98.4*		*70-130*	*%REC*	50	12/2/2019 02:14 PM
Surr: Toluene-d8	*106*		*70-130*	*%REC*	50	12/2/2019 02:14 PM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 11/27/19 11:19		Analyst: **QTN**
Electrical Conductivity @ Saturation	**4.9**		**0.10**	**mmhos/cm @2**	20	11/27/2019 12:54 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**5.9**		**1.2**	**mg/Kg-dry**	1	12/3/2019 09:00 AM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 11/27/19 08:00		Analyst: **RZM**
Chromium, Hexavalent	ND		1.2	mg/Kg-dry	1	11/27/2019 03:04 PM
MOISTURE			**SW3550C**			Analyst: **KTP**
Moisture	**19**		**0.10**	**% of sample**	1	11/26/2019 05:18 PM
PH			**SW9045D**	Prep: EXTRACT 11/25/19 16:05		Analyst: **DNW**
pH	**7.37**		**0.100**	**s.u.**	1	11/26/2019 10:00 AM
Temperature	**20.6**		**0.100**	**°C**	1	11/26/2019 10:00 AM

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

Client: LT Environmental, Inc
Project: Powder Wash Compressor Station South Pit **Work Order:** 19111959
Sample ID: SB02 @ 5-7' **Lab ID:** 19111959-05
Collection Date: 11/19/2019 12:40 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**	Prep: SW3550 12/2/19 19:08		Analyst: **BCM**
DRO (C10-C28)	ND		5.1	mg/Kg-dry	1	12/3/2019 06:15 PM
Surr: 4-Terphenyl-d14	*65.6*		*33-111*	*%REC*	1	12/3/2019 06:15 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 11/26/19 10:25		Analyst: **BCM**
GRO (C6-C10)	**44**		**5.0**	**mg/Kg**	1	12/2/2019 03:31 PM
Surr: Toluene-d8	*78.1*		*71-123*	*%REC*	1	12/2/2019 03:31 PM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 11/27/19 15:37		Analyst: **RSH**
Mercury	ND		0.018	mg/Kg-dry	1	12/2/2019 12:57 PM
METALS BY ICP-MS			**SW6020A**	Prep: SW3050B 11/27/19 14:17		Analyst: **STP**
Arsenic	**5.6**		**0.36**	**mg/Kg-dry**	1	11/27/2019 07:24 PM
Barium	**49**		**0.36**	**mg/Kg-dry**	1	11/27/2019 07:24 PM
Cadmium	**0.38**		**0.14**	**mg/Kg-dry**	1	11/27/2019 07:24 PM
Chromium	**5.8**	B	**0.36**	**mg/Kg-dry**	1	11/27/2019 07:24 PM
Copper	**6.5**		**0.36**	**mg/Kg-dry**	1	11/27/2019 07:24 PM
Lead	**15**		**0.36**	**mg/Kg-dry**	1	11/27/2019 07:24 PM
Nickel	**6.7**		**0.36**	**mg/Kg-dry**	1	11/27/2019 07:24 PM
Selenium	**1.3**		**0.36**	**mg/Kg-dry**	1	11/27/2019 07:24 PM
Silver	ND		0.36	mg/Kg-dry	1	11/27/2019 07:24 PM
Zinc	**23**		**0.71**	**mg/Kg-dry**	1	11/27/2019 07:24 PM
SOLUBLE CATIONS FOR SAR			**SW6020A**	Prep: USDA Method 20B 11/27/19 11:19		Analyst: **STP**
Calcium	**50**		**5.0**	**mg/L**	10	11/27/2019 02:35 PM
Magnesium	**18**		**2.0**	**mg/L**	10	11/27/2019 02:35 PM
Sodium	**11**		**2.0**	**mg/L**	10	11/27/2019 02:35 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 11/27/19 11:19		Analyst: **STP**
Sodium Adsorption Ratio	**0.34**		**0.010**	**none**	1	11/27/2019
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			**SW846 8270D**	Prep: SW3546 11/27/19 16:58		Analyst: **EEW**
Acenaphthene	ND		0.0044	mg/Kg-dry	1	11/29/2019 08:03 PM
Anthracene	ND		0.0044	mg/Kg-dry	1	11/29/2019 08:03 PM
Benzo(a)anthracene	ND		0.0044	mg/Kg-dry	1	11/29/2019 08:03 PM
Benzo(a)pyrene	ND		0.0044	mg/Kg-dry	1	11/29/2019 08:03 PM
Benzo(b)fluoranthene	ND		0.0044	mg/Kg-dry	1	11/29/2019 08:03 PM
Benzo(k)fluoranthene	ND		0.0044	mg/Kg-dry	1	11/29/2019 08:03 PM
Chrysene	ND		0.0044	mg/Kg-dry	1	11/29/2019 08:03 PM
Dibenzo(a,h)anthracene	ND		0.0044	mg/Kg-dry	1	11/29/2019 08:03 PM
Fluoranthene	ND		0.0044	mg/Kg-dry	1	11/29/2019 08:03 PM

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

Client: LT Environmental, Inc
Project: Powder Wash Compressor Station South Pit **Work Order:** 19111959
Sample ID: SB02 @ 5-7' **Lab ID:** 19111959-05
Collection Date: 11/19/2019 12:40 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.0044	mg/Kg-dry	1	11/29/2019 08:03 PM
Indeno(1,2,3-cd)pyrene	ND		0.0044	mg/Kg-dry	1	11/29/2019 08:03 PM
Naphthalene	ND		0.0044	mg/Kg-dry	1	11/29/2019 08:03 PM
Pyrene	ND		0.0044	mg/Kg-dry	1	11/29/2019 08:03 PM
Surr: 2-Fluorobiphenyl	*85.5*		*20-140*	*%REC*	1	11/29/2019 08:03 PM
Surr: 4-Terphenyl-d14	*63.5*		*22-172*	*%REC*	1	11/29/2019 08:03 PM
Surr: Nitrobenzene-d5	*74.3*		*28-140*	*%REC*	1	11/29/2019 08:03 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260C**	Prep: SW5035 11/26/19 10:20		Analyst: **JNS**
Benzene	ND		0.034	mg/Kg-dry	1	12/1/2019 02:09 PM
Ethylbenzene	ND		0.034	mg/Kg-dry	1	12/1/2019 02:09 PM
m,p-Xylene	ND		0.068	mg/Kg-dry	1	12/1/2019 02:09 PM
o-Xylene	ND		0.034	mg/Kg-dry	1	12/1/2019 02:09 PM
Toluene	ND		0.034	mg/Kg-dry	1	12/1/2019 02:09 PM
Xylenes, Total	ND		0.10	mg/Kg-dry	1	12/1/2019 02:09 PM
Surr: 1,2-Dichloroethane-d4	*103*		*70-130*	*%REC*	1	12/1/2019 02:09 PM
Surr: 4-Bromofluorobenzene	*101*		*70-130*	*%REC*	1	12/1/2019 02:09 PM
Surr: Dibromofluoromethane	*91.2*		*70-130*	*%REC*	1	12/1/2019 02:09 PM
Surr: Toluene-d8	*97.7*		*70-130*	*%REC*	1	12/1/2019 02:09 PM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 11/27/19 11:19		Analyst: **QTN**
Electrical Conductivity @ Saturation	**0.51**		**0.10**	**mmhos/cm @2**	20	11/27/2019 12:54 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**5.8**		**1.1**	**mg/Kg-dry**	1	12/3/2019 09:00 AM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 11/27/19 08:00		Analyst: **RZM**
Chromium, Hexavalent	ND		1.1	mg/Kg-dry	1	11/27/2019 03:04 PM
MOISTURE			**SW3550C**			Analyst: **KTP**
Moisture	**6.3**		**0.10**	**% of sample**	1	11/26/2019 05:18 PM
PH			**SW9045D**	Prep: EXTRACT 11/25/19 16:05		Analyst: **DNW**
pH	**8.16**		**0.100**	**s.u.**	1	11/26/2019 10:00 AM
Temperature	**20.5**		**0.100**	**°C**	1	11/26/2019 10:00 AM

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

Client: LT Environmental, Inc
Project: Powder Wash Compressor Station South Pit **Work Order:** 19111959
Sample ID: SB02 @ 30-32' **Lab ID:** 19111959-06
Collection Date: 11/19/2019 01:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**	Prep: SW3550 12/2/19 19:08		Analyst: **BCM**
DRO (C10-C28)	**27**		**6.2**	**mg/Kg-dry**	1	12/3/2019 06:44 PM
Surr: 4-Terphenyl-d14	*58.5*		*33-111*	*%REC*	1	12/3/2019 06:44 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**	Prep: SW5035 11/26/19 10:25		Analyst: **BCM**
GRO (C6-C10)	**57**		**4.9**	**mg/Kg**	1	12/2/2019 04:01 PM
Surr: Toluene-d8	*81.9*		*71-123*	*%REC*	1	12/2/2019 04:01 PM
MERCURY BY CVAA			**SW7471B**	Prep: SW7471 11/27/19 15:37		Analyst: **RSH**
Mercury	**0.044**		**0.020**	**mg/Kg-dry**	1	12/2/2019 01:00 PM
METALS BY ICP-MS			**SW6020A**	Prep: SW3050B 11/27/19 14:17		Analyst: **STP**
Arsenic	**4.8**		**0.44**	**mg/Kg-dry**	1	11/27/2019 07:26 PM
Barium	**47**		**0.44**	**mg/Kg-dry**	1	11/27/2019 07:26 PM
Cadmium	**1.3**		**0.18**	**mg/Kg-dry**	1	11/27/2019 07:26 PM
Chromium	**16**	B	**0.44**	**mg/Kg-dry**	1	11/27/2019 07:26 PM
Copper	**33**		**0.44**	**mg/Kg-dry**	1	11/27/2019 07:26 PM
Lead	**16**		**0.44**	**mg/Kg-dry**	1	11/27/2019 07:26 PM
Nickel	**18**		**0.44**	**mg/Kg-dry**	1	11/27/2019 07:26 PM
Selenium	**1.6**		**0.44**	**mg/Kg-dry**	1	11/27/2019 07:26 PM
Silver	ND		0.44	mg/Kg-dry	1	11/27/2019 07:26 PM
Zinc	**220**		**8.9**	**mg/Kg-dry**	10	12/2/2019 02:12 PM
SOLUBLE CATIONS FOR SAR			**SW6020A**	Prep: USDA Method 20B 11/27/19 11:19		Analyst: **STP**
Calcium	**630**		**5.0**	**mg/L**	10	11/27/2019 02:36 PM
Magnesium	**110**		**2.0**	**mg/L**	10	11/27/2019 02:36 PM
Sodium	**64**		**2.0**	**mg/L**	10	11/27/2019 02:36 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**	Prep: USDA Method 20B 11/27/19 11:19		Analyst: **STP**
Sodium Adsorption Ratio	**0.62**		**0.010**	**none**	1	11/27/2019
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			**SW846 8270D**	Prep: SW3546 11/27/19 16:58		Analyst: **EEW**
Acenaphthene	ND		0.0052	mg/Kg-dry	1	11/29/2019 08:19 PM
Anthracene	ND		0.0052	mg/Kg-dry	1	11/29/2019 08:19 PM
Benzo(a)anthracene	ND		0.0052	mg/Kg-dry	1	11/29/2019 08:19 PM
Benzo(a)pyrene	ND		0.0052	mg/Kg-dry	1	11/29/2019 08:19 PM
Benzo(b)fluoranthene	ND		0.0052	mg/Kg-dry	1	11/29/2019 08:19 PM
Benzo(k)fluoranthene	ND		0.0052	mg/Kg-dry	1	11/29/2019 08:19 PM
Chrysene	ND		0.0052	mg/Kg-dry	1	11/29/2019 08:19 PM
Dibenzo(a,h)anthracene	ND		0.0052	mg/Kg-dry	1	11/29/2019 08:19 PM
Fluoranthene	ND		0.0052	mg/Kg-dry	1	11/29/2019 08:19 PM

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

Client: LT Environmental, Inc
Project: Powder Wash Compressor Station South Pit **Work Order:** 19111959
Sample ID: SB02 @ 30-32' **Lab ID:** 19111959-06
Collection Date: 11/19/2019 01:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.0052	mg/Kg-dry	1	11/29/2019 08:19 PM
Indeno(1,2,3-cd)pyrene	ND		0.0052	mg/Kg-dry	1	11/29/2019 08:19 PM
Naphthalene	**0.024**		**0.0052**	**mg/Kg-dry**	1	11/29/2019 08:19 PM
Pyrene	ND		0.0052	mg/Kg-dry	1	11/29/2019 08:19 PM
Surr: 2-Fluorobiphenyl	*58.9*		*20-140*	*%REC*	1	11/29/2019 08:19 PM
Surr: 4-Terphenyl-d14	*9.46*	S	*22-172*	*%REC*	1	11/29/2019 08:19 PM
Surr: Nitrobenzene-d5	*31.2*		*28-140*	*%REC*	1	11/29/2019 08:19 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260C**	Prep: SW5035 11/26/19 10:20		Analyst: **MF**
Benzene	**0.83**		**0.045**	**mg/Kg-dry**	1	11/30/2019 02:43 PM
Ethylbenzene	**0.30**		**0.045**	**mg/Kg-dry**	1	11/30/2019 02:43 PM
m,p-Xylene	**1.6**		**0.090**	**mg/Kg-dry**	1	11/30/2019 02:43 PM
o-Xylene	**0.55**		**0.045**	**mg/Kg-dry**	1	11/30/2019 02:43 PM
Toluene	**1.8**		**0.045**	**mg/Kg-dry**	1	11/30/2019 02:43 PM
Xylenes, Total	**2.2**		**0.14**	**mg/Kg-dry**	1	11/30/2019 02:43 PM
Surr: 1,2-Dichloroethane-d4	*86.0*		*70-130*	*%REC*	1	11/30/2019 02:43 PM
Surr: 4-Bromofluorobenzene	*96.6*		*70-130*	*%REC*	1	11/30/2019 02:43 PM
Surr: Dibromofluoromethane	*96.0*		*70-130*	*%REC*	1	11/30/2019 02:43 PM
Surr: Toluene-d8	*99.9*		*70-130*	*%REC*	1	11/30/2019 02:43 PM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 11/27/19 11:19		Analyst: **QTN**
Electrical Conductivity @ Saturation	**4.7**		**0.10**	**mmhos/cm @2**	20	11/27/2019 12:54 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JB**
Chromium, Trivalent	**16**		**1.3**	**mg/Kg-dry**	1	12/3/2019 09:00 AM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 11/27/19 08:00		Analyst: **RZM**
Chromium, Hexavalent	ND		1.3	mg/Kg-dry	1	11/27/2019 03:04 PM
MOISTURE			**SW3550C**			Analyst: **KTP**
Moisture	**21**		**0.10**	**% of sample**	1	11/26/2019 05:18 PM
PH			**SW9045D**	Prep: EXTRACT 11/25/19 16:05		Analyst: **DNW**
pH	**4.35**		**0.100**	**s.u.**	1	11/26/2019 10:00 AM
Temperature	**20.5**		**0.100**	**°C**	1	11/26/2019 10:00 AM

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

Client: LT Environmental, Inc
Project: Powder Wash Compressor Station South Pit **Work Order:** 19111959
Sample ID: SB02 @ 35.5-36.5' **Lab ID:** 19111959-07
Collection Date: 11/19/2019 02:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			**SW8015M**		Prep: SW3550 12/2/19 19:08	Analyst: **BCM**
DRO (C10-C28)	**14**		**6.5**	**mg/Kg-dry**	1	12/3/2019 07:13 PM
Surr: 4-Terphenyl-d14	*65.3*		*33-111*	*%REC*	1	12/3/2019 07:13 PM
GASOLINE RANGE ORGANICS BY GC-FID			**SW8015D**		Prep: SW5035 11/26/19 10:25	Analyst: **BCM**
GRO (C6-C10)	**1,200**		**4.9**	**mg/Kg**	1	12/2/2019 04:30 PM
Surr: Toluene-d8	*139*	S	*71-123*	*%REC*	1	12/2/2019 04:30 PM
MERCURY BY CVAA			**SW7471B**		Prep: SW7471 11/27/19 15:37	Analyst: **RSH**
Mercury	**0.11**		**0.023**	**mg/Kg-dry**	1	12/2/2019 01:02 PM
METALS BY ICP-MS			**SW6020A**		Prep: SW3050B 11/27/19 14:17	Analyst: **STP**
Arsenic	**4.0**		**0.45**	**mg/Kg-dry**	1	11/27/2019 07:28 PM
Barium	**30**		**0.45**	**mg/Kg-dry**	1	11/27/2019 07:28 PM
Cadmium	**7.7**		**0.18**	**mg/Kg-dry**	1	11/27/2019 07:28 PM
Chromium	**9.2**	B	**0.45**	**mg/Kg-dry**	1	11/27/2019 07:28 PM
Copper	**10**		**0.45**	**mg/Kg-dry**	1	11/27/2019 07:28 PM
Lead	**12**		**0.45**	**mg/Kg-dry**	1	11/27/2019 07:28 PM
Nickel	**18**		**0.45**	**mg/Kg-dry**	1	11/27/2019 07:28 PM
Selenium	**0.80**		**0.45**	**mg/Kg-dry**	1	11/27/2019 07:28 PM
Silver	ND		0.45	mg/Kg-dry	1	11/27/2019 07:28 PM
Zinc	**67**		**0.91**	**mg/Kg-dry**	1	11/27/2019 07:28 PM
SOLUBLE CATIONS FOR SAR			**SW6020A**		Prep: USDA Method 20B 11/27/19 11:19	Analyst: **STP**
Calcium	**670**		**5.0**	**mg/L**	10	11/27/2019 02:38 PM
Magnesium	**110**		**2.0**	**mg/L**	10	11/27/2019 02:38 PM
Sodium	**60**		**2.0**	**mg/L**	10	11/27/2019 02:38 PM
SODIUM ADSORPTION RATIO			**USDA H60 MET**		Prep: USDA Method 20B 11/27/19 11:19	Analyst: **STP**
Sodium Adsorption Ratio	**0.57**		**0.010**	**none**	1	11/27/2019
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			**SW846 8270D**		Prep: SW3546 11/27/19 16:58	Analyst: **EEW**
Acenaphthene	ND		0.0054	mg/Kg-dry	1	11/29/2019 08:34 PM
Anthracene	ND		0.0054	mg/Kg-dry	1	11/29/2019 08:34 PM
Benzo(a)anthracene	ND		0.0054	mg/Kg-dry	1	11/29/2019 08:34 PM
Benzo(a)pyrene	ND		0.0054	mg/Kg-dry	1	11/29/2019 08:34 PM
Benzo(b)fluoranthene	ND		0.0054	mg/Kg-dry	1	11/29/2019 08:34 PM
Benzo(k)fluoranthene	ND		0.0054	mg/Kg-dry	1	11/29/2019 08:34 PM
Chrysene	ND		0.0054	mg/Kg-dry	1	11/29/2019 08:34 PM
Dibenzo(a,h)anthracene	ND		0.0054	mg/Kg-dry	1	11/29/2019 08:34 PM
Fluoranthene	ND		0.0054	mg/Kg-dry	1	11/29/2019 08:34 PM

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

Client: LT Environmental, Inc
Project: Powder Wash Compressor Station South Pit **Work Order:** 19111959
Sample ID: SB02 @ 35.5-36.5' **Lab ID:** 19111959-07
Collection Date: 11/19/2019 02:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	ND		0.0054	mg/Kg-dry	1	11/29/2019 08:34 PM
Indeno(1,2,3-cd)pyrene	ND		0.0054	mg/Kg-dry	1	11/29/2019 08:34 PM
Naphthalene	**0.12**		**0.0054**	**mg/Kg-dry**	1	11/29/2019 08:34 PM
Pyrene	ND		0.0054	mg/Kg-dry	1	11/29/2019 08:34 PM
Surr: 2-Fluorobiphenyl	*77.8*		*20-140*	*%REC*	1	11/29/2019 08:34 PM
Surr: 4-Terphenyl-d14	*43.1*		*22-172*	*%REC*	1	11/29/2019 08:34 PM
Surr: Nitrobenzene-d5	*67.9*		*28-140*	*%REC*	1	11/29/2019 08:34 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260C**	Prep: SW5035 11/26/19 10:20		Analyst: **JNS**
Benzene	**18**		**0.49**	**mg/Kg-dry**	10	12/1/2019 04:14 PM
Ethylbenzene	**7.7**		**0.49**	**mg/Kg-dry**	10	12/1/2019 04:14 PM
m,p-Xylene	**32**		**0.99**	**mg/Kg-dry**	10	12/1/2019 04:14 PM
o-Xylene	**7.5**		**0.49**	**mg/Kg-dry**	10	12/1/2019 04:14 PM
Toluene	**67**		**0.49**	**mg/Kg-dry**	10	12/1/2019 04:14 PM
Xylenes, Total	**40**		**1.5**	**mg/Kg-dry**	10	12/1/2019 04:14 PM
Surr: 1,2-Dichloroethane-d4	*101*		*70-130*	*%REC*	10	12/1/2019 04:14 PM
Surr: 4-Bromofluorobenzene	*101*		*70-130*	*%REC*	10	12/1/2019 04:14 PM
Surr: Dibromofluoromethane	*96.8*		*70-130*	*%REC*	10	12/1/2019 04:14 PM
Surr: Toluene-d8	*104*		*70-130*	*%REC*	10	12/1/2019 04:14 PM
ELECTRICAL CONDUCTIVITY (SAR)			**USDA H60 MET**	Prep: USDA Method 20B 11/27/19 11:19		Analyst: **QTN**
Electrical Conductivity @ Saturation	**4.7**		**0.10**	**mmhos/cm @2**	20	11/27/2019 12:54 PM
CHROMIUM, TRIVALENT			**CALCULATION**			Analyst: **JZB**
Chromium, Trivalent	**9.2**		**1.3**	**mg/Kg-dry**	1	12/4/2019 02:42 PM
CHROMIUM, HEXAVALENT			**SW7196A**	Prep: SW3060A 12/3/19 08:00		Analyst: **RZM**
Chromium, Hexavalent	ND		1.3	mg/Kg-dry	1	12/3/2019 03:55 PM
MOISTURE			**SW3550C**			Analyst: **KTP**
Moisture	**25**		**0.10**	**% of sample**	1	11/26/2019 05:18 PM
PH			**SW9045D**	Prep: EXTRACT 11/25/19 16:05		Analyst: **DNW**
pH	**7.17**		**0.100**	**s.u.**	1	11/26/2019 10:00 AM
Temperature	**20.7**		**0.100**	**°C**	1	11/26/2019 10:00 AM

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

ALS Group, USA

Date: 05-Dec-19

Client: LT Environmental, Inc

Work Order: 19111959

Project: Powder Wash Compressor Station South Pit

QC BATCH REPORT

Batch ID: **146383** Instrument ID **GC8** Method: **SW8015M**

MBLK Sample ID: **DBLKS1-146383-146383** Units: **mg/Kg** Analysis Date: **12/4/2019 02:03 AM**

Client ID: Run ID: **GC8_191203B** SeqNo: **6099998** Prep Date: **12/2/2019** 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								
Surr: 4-Terphenyl-d14	*2.13*	0	*3.33*	0	*64*	*33-111*	0			

LCS Sample ID: **DLCSS1-146383-146383** Units: **mg/Kg** Analysis Date: **12/4/2019 02:32 AM**

Client ID: Run ID: **GC8_191203B** SeqNo: **6099999** Prep Date: **12/2/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	343.6	5.0	333	0	103	58-111	0			
Surr: 4-Terphenyl-d14	*1.997*	0	*3.33*	0	*60*	*33-111*	0			

MS Sample ID: **19111959-02a MS** Units: **mg/Kg** Analysis Date: **12/4/2019 03:01 AM**

Client ID: **SB03 @ 5-7'** Run ID: **GC8_191203B** SeqNo: **6100000** Prep Date: **12/2/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	332.9	4.9	327.3	0	102	58-111	0			
Surr: 4-Terphenyl-d14	*1.834*	0	*3.273*	0	*56*	*33-111*	0			

MSD Sample ID: **19111959-02a MSd** Units: **mg/Kg** Analysis Date: **12/4/2019 03:30 AM**

Client ID: **SB03 @ 5-7'** Run ID: **GC8_191203B** SeqNo: **6100001** Prep Date: **12/2/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	340.7	4.8	318.3	0	107	58-111	332.9	2.33	30	
Surr: 4-Terphenyl-d14	*1.908*	0	*3.183*	0	*59.9*	*33-111*	1.834	*3.96*	*30*	

The following samples were analyzed in this batch:

19111959-01a	19111959-02a	19111959-03a
19111959-04a	19111959-05a	19111959-06a
19111959-07a		

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

Client: LT Environmental, Inc
Work Order: 19111959
Project: Powder Wash Compressor Station South Pit

QC BATCH REPORT

Batch ID: **146213** Instrument ID **GC9** Method: **SW8015D**

MBLK Sample ID: **MBLK-146213-146213** Units: **µg/Kg-dry** Analysis Date: **12/2/2019 12:37 PM**
Client ID: Run ID: **GC9_191202A** SeqNo: **6096150** Prep Date: **11/26/2019** 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								
Surr: Toluene-d8	*4158*	0	*5000*	0	*83.2*	*71-123*	0			

LCS Sample ID: **LCS-146213-146213** Units: **µg/Kg-dry** Analysis Date: **12/2/2019 11:10 AM**
Client ID: Run ID: **GC9_191202A** SeqNo: **6096148** Prep Date: **11/26/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	478200	5,000	500000	0	95.6	71-123	0			
Surr: Toluene-d8	*4708*	0	*5000*	0	*94.2*	*71-123*	0			

MS Sample ID: **19111961-01a MS** Units: **µg/Kg-dry** Analysis Date: **12/2/2019 10:49 PM**
Client ID: Run ID: **GC9_191202A** SeqNo: **6096169** Prep Date: **11/26/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	647500	5,100	513900	0	126	71-123	0			S
Surr: Toluene-d8	*4661*	0	*5139*	0	*90.7*	*71-123*	0			

MSD Sample ID: **19111961-01a MSD** Units: **µg/Kg-dry** Analysis Date: **12/2/2019 11:18 PM**
Client ID: Run ID: **GC9_191202A** SeqNo: **6096170** Prep Date: **11/26/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	552900	4,600	464300	0	119	71-123	647500	15.8	30	
Surr: Toluene-d8	*4379*	0	*4643*	0	*94.3*	*71-123*	4661	*6.24*	*30*	

The following samples were analyzed in this batch:

19111959-01a	19111959-02a	19111959-03a
19111959-04a	19111959-05a	19111959-06a
19111959-07a		

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

Client: LT Environmental, Inc
Work Order: 19111959
Project: Powder Wash Compressor Station South Pit

QC BATCH REPORT

Batch ID: **146307** Instrument ID **HG4** Method: **SW7471B**

MBLK Sample ID: **MBLK-146307-146307** Units: **mg/Kg** Analysis Date: **12/2/2019 11:55 AM**
Client ID: Run ID: **HG4_191202A** SeqNo: **6094018** Prep Date: **11/27/2019** 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-146307-146307** Units: **mg/Kg** Analysis Date: **12/2/2019 11:58 AM**
Client ID: Run ID: **HG4_191202A** SeqNo: **6094019** Prep Date: **11/27/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1796	0.020	0.1665	0	108	80-120	0			

MS Sample ID: **19111440-01BMS** Units: **mg/Kg** Analysis Date: **12/2/2019 12:02 PM**
Client ID: Run ID: **HG4_191202A** SeqNo: **6094021** Prep Date: **11/27/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1537	0.017	0.1413	0.01172	101	75-125	0			

MSD Sample ID: **19111440-01BMSD** Units: **mg/Kg** Analysis Date: **12/2/2019 12:04 PM**
Client ID: Run ID: **HG4_191202A** SeqNo: **6094022** Prep Date: **11/27/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1549	0.017	0.1378	0.01172	104	75-125	0.1537	0.744	35	

The following samples were analyzed in this batch:

19111959-01A	19111959-02A	19111959-03A
19111959-04A	19111959-05A	19111959-06A
19111959-07A		

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

Client: LT Environmental, Inc
Work Order: 19111959
Project: Powder Wash Compressor Station South Pit

QC BATCH REPORT

Batch ID: **146285** Instrument ID **ICPMS3** Method: **SW6020A**

DUP Sample ID: **19111959-02ADUP** Units: **mg/L** Analysis Date: **11/27/2019 02:30 P**

Client ID: **SB03 @ 5-7'** Run ID: **ICPMS3_191127A** SeqNo: **6089584** Prep Date: **11/27/2019** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	178.9	5.0	0	0	0	0-0	184.1	2.85		
Magnesium	20.31	2.0	0	0	0	0-0	20.98	3.27		
Sodium	9.199	2.0	0	0	0	0-0	9.77	6.01		

The following samples were analyzed in this batch:

19111959-01A	19111959-02A	19111959-03A
19111959-04A	19111959-05A	19111959-06A
19111959-07A		

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

Client: LT Environmental, Inc
Work Order: 19111959
Project: Powder Wash Compressor Station South Pit

QC BATCH REPORT

Batch ID: **146294** Instrument ID **ICPMS4** Method: **SW6020A**

MBLK	Sample ID: **MBLK-146294-146294**				Units: **mg/Kg**			Analysis Date: **11/27/2019 06:55 P**		
Client ID:	Run ID: **ICPMS4_191127B**				SeqNo: **6092499**			Prep Date: **11/27/2019**		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	0.25								
Cadmium	ND	0.10								
Copper	ND	0.25								
Lead	ND	0.25								
Nickel	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	ND	0.50								

MBLK	Sample ID: **MBLK-146294-146294**				Units: **mg/Kg**			Analysis Date: **12/2/2019 02:03 PM**		
Client ID:	Run ID: **ICPMS3_191202B**				SeqNo: **6094200**			Prep Date: **11/27/2019**		DF: **1**
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium	0.2496	0.25								J

LCS	Sample ID: **LCS-146294-146294**				Units: **mg/Kg**			Analysis Date: **11/27/2019 06:57 P**		
Client ID:	Run ID: **ICPMS4_191127B**				SeqNo: **6092500**			Prep Date: **11/27/2019**		DF: **1**
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	5.306	0.25	5	0	106	80-120	0			
Barium	5.312	0.25	5	0	106	80-120	0			
Cadmium	5.279	0.10	5	0	106	80-120	0			
Chromium	5.506	0.25	5	0	110	80-120	0			
Copper	5.138	0.25	5	0	103	80-120	0			
Lead	5.341	0.25	5	0	107	80-120	0			
Nickel	5.165	0.25	5	0	103	80-120	0			
Selenium	5.194	0.25	5	0	104	80-120	0			
Silver	5.325	0.25	5	0	106	80-120	0			
Zinc	5.369	0.50	5	0	107	80-120	0			

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

Client: LT Environmental, Inc
Work Order: 19111959
Project: Powder Wash Compressor Station South Pit

QC BATCH REPORT

Batch ID: **146294** Instrument ID **ICPMS4** Method: **SW6020A**

MS Sample ID: **19111961-02AMS** Units: **mg/Kg** Analysis Date: **11/27/2019 07:42 P**

Client ID: Run ID: **ICPMS4_191127B** SeqNo: **6092530** Prep Date: **11/27/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	9.426	0.34	6.766	3.839	82.6	75-125	0			
Barium	74.7	0.34	6.766	67.72	103	75-125	0			O
Cadmium	8.116	0.14	6.766	2.529	82.6	75-125	0			
Chromium	16.05	0.34	6.766	6.149	146	75-125	0			S
Copper	14.48	0.34	6.766	6.915	112	75-125	0			
Lead	26.5	0.34	6.766	18.12	124	75-125	0			
Nickel	34.98	0.34	6.766	33.43	23	75-125	0			SO
Selenium	6.833	0.34	6.766	1.023	85.9	75-125	0			
Silver	6.006	0.34	6.766	0.1268	86.9	75-125	0			
Zinc	55.6	0.68	6.766	48.03	112	75-125	0			O

MSD Sample ID: **19111961-02AMSD** Units: **mg/Kg** Analysis Date: **11/27/2019 07:44 P**

Client ID: Run ID: **ICPMS4_191127B** SeqNo: **6092531** Prep Date: **11/27/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	8.867	0.33	6.51	3.839	77.2	75-125	9.426	6.11	20	
Barium	76.37	0.33	6.51	67.72	133	75-125	74.7	2.22	20	SO
Cadmium	7.691	0.13	6.51	2.529	79.3	75-125	8.116	5.38	20	
Chromium	15.33	0.33	6.51	6.149	141	75-125	16.05	4.64	20	S
Copper	13.32	0.33	6.51	6.915	98.4	75-125	14.48	8.36	20	
Lead	28.22	0.33	6.51	18.12	155	75-125	26.5	6.29	20	S
Nickel	36.43	0.33	6.51	33.43	46	75-125	34.98	4.04	20	SO
Selenium	6.42	0.33	6.51	1.023	82.9	75-125	6.833	6.24	20	
Silver	5.407	0.33	6.51	0.1268	81.1	75-125	6.006	10.5	20	
Zinc	55.9	0.65	6.51	48.03	121	75-125	55.6	0.523	20	O

The following samples were analyzed in this batch:

19111959-01A	19111959-02A	19111959-03A
19111959-04A	19111959-05A	19111959-06A
19111959-07A		

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

Client: LT Environmental, Inc
Work Order: 19111959
Project: Powder Wash Compressor Station South Pit

QC BATCH REPORT

Batch ID: **146285** Instrument ID **SAR** Method: **USDA H60 Metho**

DUP Sample ID: **19111959-02ADUP** Units: **none** Analysis Date: **11/27/2019**
Client ID: **SB03 @ 5-7'** Run ID: **SAR_191127A** SeqNo: **6089616** Prep Date: **11/27/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	0.1738	0.010	0	0	0		0.1819	4.56	50	

The following samples were analyzed in this batch:

19111959-01A	19111959-02A	19111959-03A
19111959-04A	19111959-05A	19111959-06A
19111959-07A		

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

Client: LT Environmental, Inc
Work Order: 19111959
Project: Powder Wash Compressor Station South Pit

QC BATCH REPORT

Batch ID: **146279** Instrument ID **SVMS6** Method: **SW846 8270D**

MBLK Sample ID: **SBLKS1-146279-146279** Units: **µg/Kg** Analysis Date: **11/29/2019 04:11 P**
Client ID: Run ID: **SVMS6_191129A** SeqNo: **6091559** Prep Date: **11/27/2019** 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	*3014*	0	*3333*	0	*90.4*	*20-140*	0			
Surr: 4-Terphenyl-d14	*2922*	0	*3333*	0	*87.7*	*22-172*	0			
Surr: Nitrobenzene-d5	*2832*	0	*3333*	0	*85*	*28-140*	0			

LCS Sample ID: **SLCSS1-146279-146279** Units: **µg/Kg** Analysis Date: **11/29/2019 04:27 P**
Client ID: Run ID: **SVMS6_191129A** SeqNo: **6091560** Prep Date: **11/27/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1173	4.2	1333	0	88	40-140	0			
Anthracene	1310	4.2	1333	0	98.3	40-140	0			
Benzo(a)anthracene	1242	4.2	1333	0	93.2	40-140	0			
Benzo(a)pyrene	1195	4.2	1333	0	89.7	40-140	0			
Benzo(b)fluoranthene	1146	4.2	1333	0	86	40-140	0			
Benzo(k)fluoranthene	1235	4.2	1333	0	92.6	40-140	0			
Chrysene	1162	4.2	1333	0	87.1	40-140	0			
Dibenzo(a,h)anthracene	1346	4.2	1333	0	101	40-140	0			
Fluoranthene	1275	4.2	1333	0	95.6	40-140	0			
Fluorene	1280	4.2	1333	0	96	40-140	0			
Indeno(1,2,3-cd)pyrene	1451	4.2	1333	0	109	40-140	0			
Naphthalene	1221	4.2	1333	0	91.6	40-140	0			
Pyrene	1338	4.2	1333	0	100	40-140	0			
Surr: 2-Fluorobiphenyl	*2912*	0	*3333*	0	*87.4*	*20-140*	0			
Surr: 4-Terphenyl-d14	*2340*	0	*3333*	0	*70.2*	*22-172*	0			
Surr: Nitrobenzene-d5	*2647*	0	*3333*	0	*79.4*	*28-140*	0			

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

Client: LT Environmental, Inc
Work Order: 19111959
Project: Powder Wash Compressor Station South Pit

QC BATCH REPORT

Batch ID: **146279** Instrument ID **SVMS6** Method: **SW846 8270D**

MS Sample ID: **19111927-01B MS** Units: **µg/Kg** Analysis Date: **11/29/2019 04:42 P**

Client ID: Run ID: **SVMS6_191129A** SeqNo: **6091561** Prep Date: **11/27/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1150	4.1	1320	0	87.1	40-140	0			
Anthracene	1283	4.1	1320	0	97.2	40-140	0			
Benzo(a)anthracene	1235	4.1	1320	0	93.5	40-140	0			
Benzo(a)pyrene	1188	4.1	1320	0	90	40-140	0			
Benzo(b)fluoranthene	1188	4.1	1320	0	90	40-140	0			
Benzo(k)fluoranthene	1246	4.1	1320	0	94.4	40-140	0			
Chrysene	1154	4.1	1320	0	87.4	40-140	0			
Dibenzo(a,h)anthracene	1293	4.1	1320	0	97.9	40-140	0			
Fluoranthene	1226	4.1	1320	0	92.8	40-140	0			
Fluorene	1255	4.1	1320	0	95.1	40-140	0			
Indeno(1,2,3-cd)pyrene	1343	4.1	1320	0	102	40-140	0			
Naphthalene	1216	4.1	1320	0	92.1	40-140	0			
Pyrene	1535	4.1	1320	0	116	40-140	0			
Surr: 2-Fluorobiphenyl	*2967*	0	*3302*	0	*89.9*	*20-140*	0			
Surr: 4-Terphenyl-d14	*2617*	0	*3302*	0	*79.3*	*22-172*	0			
Surr: Nitrobenzene-d5	*2898*	0	*3302*	0	*87.8*	*28-140*	0			

MSD Sample ID: **19111927-01B MSD** Units: **µg/Kg** Analysis Date: **11/29/2019 04:58 P**

Client ID: Run ID: **SVMS6_191129A** SeqNo: **6091562** Prep Date: **11/27/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1119	4.2	1327	0	84.3	40-140	1150	2.74	30	
Anthracene	1246	4.2	1327	0	93.8	40-140	1283	3	30	
Benzo(a)anthracene	1209	4.2	1327	0	91.1	40-140	1235	2.11	30	
Benzo(a)pyrene	1168	4.2	1327	0	88	40-140	1188	1.75	30	
Benzo(b)fluoranthene	1157	4.2	1327	0	87.2	40-140	1188	2.65	30	
Benzo(k)fluoranthene	1213	4.2	1327	0	91.4	40-140	1246	2.67	30	
Chrysene	1130	4.2	1327	0	85.1	40-140	1154	2.11	30	
Dibenzo(a,h)anthracene	1285	4.2	1327	0	96.8	40-140	1293	0.677	30	
Fluoranthene	1179	4.2	1327	0	88.8	40-140	1226	3.87	30	
Fluorene	1233	4.2	1327	0	92.9	40-140	1255	1.78	30	
Indeno(1,2,3-cd)pyrene	1337	4.2	1327	0	101	40-140	1343	0.434	30	
Naphthalene	1172	4.2	1327	0	88.3	40-140	1216	3.7	30	
Pyrene	1506	4.2	1327	0	113	40-140	1535	1.9	30	
Surr: 2-Fluorobiphenyl	*2863*	0	*3319*	0	*86.3*	*20-140*	2967	*3.57*	*0*	
Surr: 4-Terphenyl-d14	*2512*	0	*3319*	0	*75.7*	*22-172*	2617	*4.11*	*0*	
Surr: Nitrobenzene-d5	*2781*	0	*3319*	0	*83.8*	*28-140*	2898	*4.11*	*0*	

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

Client: LT Environmental, Inc
Work Order: 19111959
Project: Powder Wash Compressor Station South Pit

QC BATCH REPORT

Batch ID: **146279** Instrument ID **SVMS6** Method: **SW846 8270D**

The following samples were analyzed in this batch:

19111959-01A	19111959-02A	19111959-03A
19111959-04A	19111959-05A	19111959-06A
19111959-07A		

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

Client: LT Environmental, Inc
Work Order: 19111959
Project: Powder Wash Compressor Station South Pit

QC BATCH REPORT

Batch ID: **146470** Instrument ID **SVMS6** Method: **SW846 8270D**

MBLK Sample ID: **SBLKS1-146470-146470** Units: **µg/Kg** Analysis Date: **12/4/2019 12:17 PM**
Client ID: Run ID: **SVMS6_191204A** SeqNo: **6100919** Prep Date: **12/3/2019** 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	*2693*	0	*3333*	0	*80.8*	*20-140*	0			
Surr: 4-Terphenyl-d14	*5188*	0	*3333*	0	*156*	*22-172*	0			
Surr: Nitrobenzene-d5	*2729*	0	*3333*	0	*81.9*	*28-140*	0			

LCS Sample ID: **SLCSS1-146470-146470** Units: **µg/Kg** Analysis Date: **12/4/2019 12:32 PM**
Client ID: Run ID: **SVMS6_191204A** SeqNo: **6100920** Prep Date: **12/3/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1096	4.2	1333	0	82.2	40-140	0			
Anthracene	1204	4.2	1333	0	90.3	40-140	0			
Benzo(a)anthracene	1056	4.2	1333	0	79.2	40-140	0			
Benzo(a)pyrene	1049	4.2	1333	0	78.7	40-140	0			
Benzo(b)fluoranthene	1069	4.2	1333	0	80.2	40-140	0			
Benzo(k)fluoranthene	1033	4.2	1333	0	77.5	40-140	0			
Chrysene	980.4	4.2	1333	0	73.6	40-140	0			
Dibenzo(a,h)anthracene	1216	4.2	1333	0	91.2	40-140	0			
Fluoranthene	1164	4.2	1333	0	87.4	40-140	0			
Fluorene	1182	4.2	1333	0	88.7	40-140	0			
Indeno(1,2,3-cd)pyrene	1300	4.2	1333	0	97.5	40-140	0			
Naphthalene	1167	4.2	1333	0	87.5	40-140	0			
Pyrene	1168	4.2	1333	0	87.6	40-140	0			
Surr: 2-Fluorobiphenyl	*2820*	0	*3333*	0	*84.6*	*20-140*	0			
Surr: 4-Terphenyl-d14	*4856*	0	*3333*	0	*146*	*22-172*	0			
Surr: Nitrobenzene-d5	*2809*	0	*3333*	0	*84.3*	*28-140*	0			

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

Client: LT Environmental, Inc
Work Order: 19111959
Project: Powder Wash Compressor Station South Pit

QC BATCH REPORT

Batch ID: **146470** Instrument ID **SVMS6** Method: **SW846 8270D**

MS Sample ID: **19112205-02B MS** Units: **µg/Kg** Analysis Date: **12/4/2019 12:48 PM**
Client ID: Run ID: **SVMS6_191204A** SeqNo: **6100921** Prep Date: **12/3/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1160	4.1	1312	182.1	74.6	40-140	0			
Anthracene	1870	4.1	1312	603.2	96.5	40-140	0			
Benzo(a)anthracene	9997	4.1	1312	2567	566	40-140	0			SE
Benzo(a)pyrene	9547	4.1	1312	1936	580	40-140	0			SE
Benzo(b)fluoranthene	10580	4.1	1312	2607	608	40-140	0			SE
Benzo(k)fluoranthene	10880	4.1	1312	700.2	776	40-140	0			SE
Chrysene	4839	4.1	1312	1757	235	40-140	0			S
Dibenzo(a,h)anthracene	2071	4.1	1312	263	138	40-140	0			
Fluoranthene	9637	4.1	1312	3443	472	40-140	0			SE
Fluorene	1178	4.1	1312	224.8	72.6	40-140	0			
Indeno(1,2,3-cd)pyrene	4139	4.1	1312	1244	221	40-140	0			S
Naphthalene	1475	4.1	1312	186.7	98.2	40-140	0			
Pyrene	6095	4.1	1312	2479	276	40-140	0			S
Surr: 2-Fluorobiphenyl	*2907*	0	*3281*	0	*88.6*	*20-140*	0			
Surr: 4-Terphenyl-d14	*2967*	0	*3281*	0	*90.5*	*22-172*	0			
Surr: Nitrobenzene-d5	*2256*	0	*3281*	0	*68.8*	*28-140*	0			

MSD Sample ID: **19112205-02B MSD** Units: **µg/Kg** Analysis Date: **12/4/2019 01:03 PM**
Client ID: Run ID: **SVMS6_191204A** SeqNo: **6100922** Prep Date: **12/3/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	335.4	4.0	1266	182.1	12.1	40-140	1160	110	30	SR
Anthracene	580.3	4.0	1266	603.2	-1.81	40-140	1870	105	30	SR
Benzo(a)anthracene	2839	4.0	1266	2567	21.5	40-140	9997	112	30	SR
Benzo(a)pyrene	2409	4.0	1266	1936	37.4	40-140	9547	119	30	SR
Benzo(b)fluoranthene	3313	4.0	1266	2607	55.8	40-140	10580	105	30	R
Benzo(k)fluoranthene	996.4	4.0	1266	700.2	23.4	40-140	10880	166	30	SR
Chrysene	2011	4.0	1266	1757	20.1	40-140	4839	82.6	30	SR
Dibenzo(a,h)anthracene	528.2	4.0	1266	263	20.9	40-140	2071	119	30	SR
Fluoranthene	3078	4.0	1266	3443	-28.9	40-140	9637	103	30	SR
Fluorene	361.7	4.0	1266	224.8	10.8	40-140	1178	106	30	SR
Indeno(1,2,3-cd)pyrene	1930	4.0	1266	1244	54.2	40-140	4139	72.8	30	R
Naphthalene	489.5	4.0	1266	186.7	23.9	40-140	1475	100	30	SR
Pyrene	2356	4.0	1266	2479	-9.7	40-140	6095	88.5	30	SR
Surr: 2-Fluorobiphenyl	*773.4*	0	*3165*	0	*24.4*	*20-140*	2907	*116*	*0*	
Surr: 4-Terphenyl-d14	*923.4*	0	*3165*	0	*29.2*	*22-172*	2967	*105*	*0*	
Surr: Nitrobenzene-d5	*934.4*	0	*3165*	0	*29.5*	*28-140*	2256	*82.8*	*0*	

The following samples were analyzed in this batch: 19111959-01A

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

Client: LT Environmental, Inc
Work Order: 19111959
Project: Powder Wash Compressor Station South Pit

QC BATCH REPORT

Batch ID: **146211** Instrument ID **VMS9** Method: **SW8260C**

MBLK Sample ID: **MBLK-146211-146211** Units: **µg/Kg-dry** Analysis Date: **12/1/2019 01:54 PM**
Client ID: Run ID: **VMS9_191201A** SeqNo: **6093742** Prep Date: **11/26/2019** 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								
Surr: 1,2-Dichloroethane-d4	*1039*	0	*1000*	0	*104*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1034*	0	*1000*	0	*103*	*70-130*	0			
Surr: Dibromofluoromethane	*894.5*	0	*1000*	0	*89.4*	*70-130*	0			
Surr: Toluene-d8	*973*	0	*1000*	0	*97.3*	*70-130*	0			

LCS Sample ID: **LCS-146211-146211** Units: **µg/Kg-dry** Analysis Date: **12/1/2019 01:07 PM**
Client ID: Run ID: **VMS9_191201A** SeqNo: **6093741** Prep Date: **11/26/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1036	30	1000	0	104	75-125	0			
Ethylbenzene	994.5	30	1000	0	99.4	75-125	0			
m,p-Xylene	2046	60	2000	0	102	80-125	0			
o-Xylene	1020	30	1000	0	102	75-125	0			
Toluene	1044	30	1000	0	104	70-125	0			
Xylenes, Total	3066	90	3000	0	102	75-125	0			
Surr: 1,2-Dichloroethane-d4	*1039*	0	*1000*	0	*104*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1074*	0	*1000*	0	*107*	*70-130*	0			
Surr: Dibromofluoromethane	*1092*	0	*1000*	0	*109*	*70-130*	0			
Surr: Toluene-d8	*1006*	0	*1000*	0	*101*	*70-130*	0			

MS Sample ID: **19111961-01A MS** Units: **µg/Kg-dry** Analysis Date: **12/1/2019 07:21 PM**
Client ID: Run ID: **VMS9_191201A** SeqNo: **6093755** Prep Date: **11/26/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1316	38	1251	0	105	75-125	0			
Ethylbenzene	1245	38	1251	0	99.6	75-125	0			
m,p-Xylene	2525	75	2501	0	101	80-125	0			
o-Xylene	1279	38	1251	0	102	75-125	0			
Toluene	1280	38	1251	0	102	70-125	0			
Xylenes, Total	3805	110	3752	0	101	75-125	0			
Surr: 1,2-Dichloroethane-d4	*1291*	0	*1251*	0	*103*	*70-130*	0			
Surr: 4-Bromofluorobenzene	*1347*	0	*1251*	0	*108*	*70-130*	0			
Surr: Dibromofluoromethane	*1192*	0	*1251*	0	*95.3*	*70-130*	0			
Surr: Toluene-d8	*1284*	0	*1251*	0	*103*	*70-130*	0			

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

Client: LT Environmental, Inc
Work Order: 19111959
Project: Powder Wash Compressor Station South Pit

QC BATCH REPORT

Batch ID: **146211** Instrument ID **VMS9** Method: **SW8260C**

MSD Sample ID: **19111961-01A MSD** Units: **µg/Kg-dry** Analysis Date: **11/30/2019 07:29 P**

Client ID: Run ID: **VMS8_191130A** SeqNo: **6092834** Prep Date: **11/26/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1355	34	1140	0	119	75-125	1279	5.73	30	
Ethylbenzene	1259	34	1140	0	110	75-125	1266	0.519	30	
m,p-Xylene	2880	68	2281	31.44	125	80-125	2441	16.5	30	
o-Xylene	1345	34	1140	0	118	75-125	1046	25	30	
Toluene	1518	34	1140	88.53	125	70-125	1207	22.8	30	S
Xylenes, Total	4225	100	3421	0	123	75-125	3487	19.1	30	
Surr: 1,2-Dichloroethane-d4	*964.2*	0	*1140*	0	*84.6*	*70-130*	1049	*8.38*	*30*	
Surr: 4-Bromofluorobenzene	*1214*	0	*1140*	0	*106*	*70-130*	1051	*14.4*	*30*	
Surr: Dibromofluoromethane	*1091*	0	*1140*	0	*95.7*	*70-130*	1193	*8.9*	*30*	
Surr: Toluene-d8	*3358*	0	*1140*	0	*294*	*70-130*	1314	*87.5*	*30*	*SR*

MSD Sample ID: **19111961-01A MSD** Units: **µg/Kg-dry** Analysis Date: **12/1/2019 07:36 PM**

Client ID: Run ID: **VMS9_191201A** SeqNo: **6093756** Prep Date: **11/26/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1242	34	1140	0	109	75-125	1316	5.72	30	
Ethylbenzene	1115	34	1140	0	97.8	75-125	1245	11	30	
m,p-Xylene	2566	68	2281	0	113	80-125	2525	1.61	30	
o-Xylene	1198	34	1140	0	105	75-125	1279	6.57	30	
Toluene	1470	34	1140	0	129	70-125	1280	13.8	30	S
Xylenes, Total	3764	100	3421	0	110	75-125	3805	1.07	30	
Surr: 1,2-Dichloroethane-d4	*1168*	0	*1140*	0	*102*	*70-130*	1291	*9.99*	*30*	
Surr: 4-Bromofluorobenzene	*1192*	0	*1140*	0	*104*	*70-130*	1347	*12.2*	*30*	
Surr: Dibromofluoromethane	*1160*	0	*1140*	0	*102*	*70-130*	1192	*2.67*	*30*	
Surr: Toluene-d8	*2561*	0	*1140*	0	*225*	*70-130*	1284	*66.4*	*30*	*SR*

The following samples were analyzed in this batch:

19111959-01A	19111959-02A	19111959-03A
19111959-04A	19111959-05A	19111959-06A
19111959-07A		

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

Client: LT Environmental, Inc
Work Order: 19111959
Project: Powder Wash Compressor Station South Pit

QC BATCH REPORT

Batch ID: **146168** Instrument ID **WETCHEM** Method: **SW9045D**

LCS Sample ID: **LCS-146168-146168** Units: **s.u.** Analysis Date: **11/26/2019 10:00 A**
Client ID: Run ID: **WETCHEM_191126E** SeqNo: **6085015** Prep Date: **11/25/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	3.97	0.10	4	0	99.2	90-110	0			

DUP Sample ID: **19111928-01A DUP** Units: **s.u.** Analysis Date: **11/26/2019 10:00 A**
Client ID: Run ID: **WETCHEM_191126E** SeqNo: **6085017** Prep Date: **11/25/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	7.54	0.10	0	0	0	0-0	7.44	1.34	20	
Temperature	20.5	0.10	0	0	0		20.6	0.487		

DUP Sample ID: **19111960-02A DUP** Units: **s.u.** Analysis Date: **11/26/2019 10:00 A**
Client ID: Run ID: **WETCHEM_191126E** SeqNo: **6085028** Prep Date: **11/25/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6.71	0.10	0	0	0	0-0	6.8	1.33	20	
Temperature	20.9	0.10	0	0	0		21	0.477		

The following samples were analyzed in this batch:

19111959-01A	19111959-02A	19111959-03A
19111959-04A	19111959-05A	19111959-06A
19111959-07A		

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

Client: LT Environmental, Inc
Work Order: 19111959
Project: Powder Wash Compressor Station South Pit

QC BATCH REPORT

Batch ID: **146285** Instrument ID **WETCHEM** Method: **USDA H60 Metho**

DUP Sample ID: **19111959-02A DUP** Units: **mmhos/cm @25°** Analysis Date: **11/27/2019 12:54 P**

Client ID: **SB03 @ 5-7'** Run ID: **WETCHEM_191127J** SeqNo: **6088885** Prep Date: **11/27/2019** DF: **20**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	1.336	0.10	0	0	0		1.368	2.37	50	

The following samples were analyzed in this batch:

19111959-01A	19111959-02A	19111959-03A
19111959-04A	19111959-05A	19111959-06A
19111959-07A		

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

Client: LT Environmental, Inc
Work Order: 19111959
Project: Powder Wash Compressor Station South Pit

QC BATCH REPORT

Batch ID: **146317** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK Sample ID: **MBLK-146317-146317** Units: **mg/Kg** Analysis Date: **11/27/2019 03:04 P**
Client ID: Run ID: **WETCHEM_191127R** SeqNo: **6089772** Prep Date: **11/27/2019** 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-146317-146317** Units: **mg/Kg** Analysis Date: **11/27/2019 03:04 P**
Client ID: Run ID: **WETCHEM_191127R** SeqNo: **6089773** Prep Date: **11/27/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	4.54	1.0	5	0	90.8	80-120	0			

MS Sample ID: **19111928-01A MS** Units: **mg/Kg** Analysis Date: **11/27/2019 03:04 P**
Client ID: Run ID: **WETCHEM_191127R** SeqNo: **6089777** Prep Date: **11/27/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.71	1.0	5	0.3	28.2	75-125	0			S

MS Sample ID: **19111928-01A MSI** Units: **mg/Kg** Analysis Date: **11/27/2019 03:04 P**
Client ID: Run ID: **WETCHEM_191127R** SeqNo: **6089779** Prep Date: **11/27/2019** DF: **200**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	3688	200	3974	0.3	92.8	75-125	0			

MSD Sample ID: **19111928-01A MSD** Units: **mg/Kg** Analysis Date: **11/27/2019 03:04 P**
Client ID: Run ID: **WETCHEM_191127R** SeqNo: **6089778** Prep Date: **11/27/2019** 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	0.3	-6	75-125	1.71	0	20	S

The following samples were analyzed in this batch:

19111959-01A	19111959-02A	19111959-03A
19111959-04A	19111959-05A	19111959-06A

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

Client: LT Environmental, Inc
Work Order: 19111959
Project: Powder Wash Compressor Station South Pit

QC BATCH REPORT

Batch ID: **146446** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK Sample ID: **MBLK-146446-146446** Units: **mg/Kg** Analysis Date: **12/3/2019 03:55 PM**
Client ID: Run ID: **WETCHEM_191203V** SeqNo: **6097803** Prep Date: **12/3/2019** 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-146446-146446** Units: **mg/Kg** Analysis Date: **12/3/2019 03:55 PM**
Client ID: Run ID: **WETCHEM_191203V** SeqNo: **6097804** Prep Date: **12/3/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	4.67	1.0	5	0	93.4	80-120	0			

MS Sample ID: **19111959-07A MS** Units: **mg/Kg** Analysis Date: **12/3/2019 03:55 PM**
Client ID: **SB02 @ 35.5-36.5'** Run ID: **WETCHEM_191203V** SeqNo: **6097806** Prep Date: **12/3/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	4.67	1.0	5	0.17	90	75-125	0			

MS Sample ID: **19111959-07A MSI** Units: **mg/Kg** Analysis Date: **12/3/2019 03:55 PM**
Client ID: **SB02 @ 35.5-36.5'** Run ID: **WETCHEM_191203V** SeqNo: **6097808** Prep Date: **12/3/2019** DF: **100**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	2320	100	2269	0.17	102	75-125	0			

MSD Sample ID: **19111959-07A MSD** Units: **mg/Kg** Analysis Date: **12/3/2019 03:55 PM**
Client ID: **SB02 @ 35.5-36.5'** Run ID: **WETCHEM_191203V** SeqNo: **6097807** Prep Date: **12/3/2019** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	4.54	1.0	5	0.17	87.4	75-125	4.67	2.82	20	

The following samples were analyzed in this batch: 19111959-07A

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

Client: LT Environmental, Inc
Work Order: 19111959
Project: Powder Wash Compressor Station South Pit

QC BATCH REPORT

Batch ID: **R276349** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **WBLKS-R276349** Units: **% of sample** Analysis Date: **11/26/2019 04:14 P**
Client ID: Run ID: **MOIST_191126D** SeqNo: **6088379** 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-R276349** Units: **% of sample** Analysis Date: **11/26/2019 04:14 P**
Client ID: Run ID: **MOIST_191126D** SeqNo: **6088378** 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: **19111927-03B DUP** Units: **% of sample** Analysis Date: **11/26/2019 04:14 P**
Client ID: Run ID: **MOIST_191126D** SeqNo: **6088373** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	4.88	0.10	0	0	0	0-0	5.02	2.83	10	

DUP Sample ID: **19111927-04B DUP** Units: **% of sample** Analysis Date: **11/26/2019 04:14 P**
Client ID: Run ID: **MOIST_191126D** SeqNo: **6088375** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	7.72	0.10	0	0	0	0-0	7.64	1.04	10	

The following samples were analyzed in this batch: 19111959-01A

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

Client: LT Environmental, Inc
Work Order: 19111959
Project: Powder Wash Compressor Station South Pit

QC BATCH REPORT

Batch ID: **R276350** Instrument ID **MOIST** Method: **SW3550C**

MBLK Sample ID: **WBLKS-R276350** Units: **% of sample** Analysis Date: **11/26/2019 05:18 P**
Client ID: Run ID: **MOIST_191126E** SeqNo: **6088403** 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-R276350** Units: **% of sample** Analysis Date: **11/26/2019 05:18 P**
Client ID: Run ID: **MOIST_191126E** SeqNo: **6088402** 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: **19111959-02A DUP** Units: **% of sample** Analysis Date: **11/26/2019 05:18 P**
Client ID: **SB03 @ 5-7'** Run ID: **MOIST_191126E** SeqNo: **6088381** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	13.14	0.10	0	0	0	0-0	13.85	5.26	10	

DUP Sample ID: **19111963-02B DUP** Units: **% of sample** Analysis Date: **11/26/2019 05:18 P**
Client ID: Run ID: **MOIST_191126E** SeqNo: **6088392** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	25.68	0.10	0	0	0	0-0	25.9	0.853	10	

The following samples were analyzed in this batch:

19111959-02A	19111959-03A	19111959-04A
19111959-05A	19111959-06A	19111959-07A

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

19111959

ALS Laboratory Group

CHAIN OF CUSTODY

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

COC number (for client tracking)

Page 1 of 1

CLIENT CONTACT AND REPORTING INFORMATION	INVOICE ADDRESS (if other than reporting address)
Company Name: LT Environmental, Inc	Company Name: Same
Project Manager: Rob Rebel	Contact Name: Same
Address: 820 Megan Ave Unit B	Address: Same
Rifle, CO 81650	
Phone: 970.285.9985	**PROJECT INFORMATION**
Email 1: rrebel@ltenv.com	Project ID: Powder Wash Compressor Station South Pit
Email 2: dheld@ltenv.com	Site: Powder Wash Compressor Station South Pit
SERVICE REQUEST (Express services subject to availability)	PO No: 95819001
☑ Regular (default)	ALS Quote No:
☐ Express (Pls specify date required _____) (express fee will apply)	

ANALYSIS REQUIRED (suite codes must be listed to attract suite prices)

ALS ID #	SAMPLE IDENTIFICATION (this description will appear on report)	MATRIX (a)	SAMPLING AND CONTAINER INFO: Date	Time	Tot Bottle	REMARKS	TPH- (DRO, GRO)	EC	PH	SAR	TABLE 910 METALS (Don't analyze for Boron)	TABLE 910 PAH'S	BTEX	CROSS THE REQUESTED ANALYSIS
	SB04 @ 35-36.5'	S	11/19/19	820	2		X	X	X	X	X	X	X	
	SB03 @ 5-7'			1000	2		X	X	X	X	X	X	X	
	SB03 @ 20-22'			1040	3		X	X	X	X	X	X	X	
	SB03 @ 32-33.5'			1125	1		X	X	X	X	X	X	X	
	SB02 @ 5-7'			1240	2		X	X	X	X	X	X	X	
	SB02 @ 30-32'			1350	2		X	X	X	X	X	X	X	
	SB02 @ 35.5-36.5'	↓	↓	1420	1		X	X	X	X	X	X	X	

CLIENT SIGNATURES	For lab use only				
Client's Signature:	Cooler Security Seal: ☐ sealed ☐ broken ☐ not available	Sample Temp: ☐ chilled deg 'C ☐ ambient	No of Cooler Received: carton / cooler box	Received by (lab)	Date and Time: 11/23/19 1030
Client's Date and Time of Completion: 11/19/19 1700			Courier Name	Committed by	Date and Time

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 Technichem (HK) Pty Ltd Address: 11/F, Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong Tel: +852 2610 1044 Fax: +852 2610 2021 Email: HongKong@alsglobal.com

3.4°C SRL

ALS Group, USA

Sample Receipt Checklist

Client Name: **LTENV** Date/Time Received: **23-Nov-19 10:30**

Work Order: **19111959** Received by: **KRW**

Checklist completed by Keith Wierenga (eSignature) 25-Nov-19 (Date) Reviewed by: Chad Whelton (eSignature) 26-Nov-19 (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):	3.4/3.4 C	SR2	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	11/25/2019 2:35:42 PM		
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: