

December 20, 2017

GE Johnson
25 North Cascade Avenue, Suite 400
Colorado Springs, Colorado 80915



ENTECH
ENGINEERING, INC.

505 ELKTON DRIVE
COLORADO SPRINGS, CO 80907
PHONE (719) 531-5599
FAX (719) 531-5238

Attn: Mr. Peter Speiser

RE: ENVIRONMENTAL INVESTIGATION
2875 Akers Drive
Colorado Springs, Colorado

Ref: Phase I Environmental Site Assessment (ESA), Dillie and Kuhn, Inc., 2875 Akers Drive, Colorado Springs, Colorado, by Entech Engineering, Inc., Project No. 171531, Dated October 30, 2017.

Dear Mr. Speiser:

Entech Engineering Inc. (Entech) has completed an Environmental Investigation for the site located at 2875 Akers Drive in Colorado Springs, Colorado (the Site) as recommended in the above referenced Phase I ESA. A map showing the Property location is presented as Figure 1. The Environmental Investigation was requested after the above referenced Phase I ESA identified several RECs on the Property during the reconnaissance portion of the above referenced ESA. The items of concern observed during the reconnaissance included the following:

1. Three Aboveground Storage Tanks used to store gasoline and diesel fuel are located on the Property. Visual evidence of limited staining of the soil was observed around the tanks and no spill containment was observed around the tanks,
2. Several drums used to store motor oil, waste oil, antifreeze, and hydraulic fluid are located in the shop and north of the shop on the Property. Some de minimus staining was observed in the vicinity of the waste oil drums,
3. Containers used to store petroleum products (gasoline, diesel fuel, hydraulic fluid and motor oil) were observed in the shop on the Property. Some de minimus drips and stains were observed in the area of these containers,
4. A sand trap is located in the northwest portion of the Property,
5. A parts washer is located in the shop. Some de minimus staining was observed on the concrete floor adjacent to the parts washer and
6. Two pits used to dry drilling mud are located on the Property. No visual indication of a sheen, indicating hydrocarbon product contamination, was observed in the pits.

Based on the findings from the Phase I ESA, additional environmental investigation of the Property was recommended and focused on the areas surrounding the ASTs, the areas around the drums (north of the shop), the area around the sand trap and the mud pits.

Analytical results from the previous investigations into the LUST site indicated low levels of Gasoline and Diesel Range Organics (GRO/ DRO) and Oil and Grease) in the subsurface soils on the Site.

FIELDWORK ACTIVITIES

Site Preparation

The locations of the boreholes were based on observations from the Phase I ESA. Prior to initiating field activities, Entech contacted Utility Notification Center of Colorado (UNCC), a utility locating service, to identify utilities at the proposed borehole locations. Entech coordinated with the owners to gain authorization and clearance for the completion of the proposed scope of work.

Drilling

Personnel from Entech Engineering, Inc. coordinated and observed the drilling of four test borings at the Site on December 6, 2017. The purpose of the test borings was to evaluate what, if any, contamination may exist in the subsurface soils beneath the Site. Test Borings 1 through 3 were advanced using a SIMCO 2800 drilling rig operated by Entech Engineering, Inc. Test Boring 4 was advanced using hand augur methods. The test borings were drilled in the locations as shown on the Site Map\ Test Boring Location Plan (Figure 2).

Field Screening and Sampling

Samples were collected at two-foot intervals to 10 feet and five-foot intervals from 10 to 20 feet. Soil samples recovered from the borings were visually classified and recorded on the Test Boring Logs. The test boring logs are included in Appendix A. Soil samples collected during the advancement of the borings were screened for indications of volatile organic vapors by the headspace method using a photoionization detector (PID) calibrated with 100 parts per million isobutylene gas. The soil sample with the highest PID reading was selected for laboratory analysis. No visual indication of staining or odors were observed in the test borings drilled on the Site. The borings were backfilled with onsite soils after completion.

Laboratory Analysis

Samples were collected in accordance with standard environmental protocols, placed in approved sample containers provided by the lab, stored on ice and shipped to Environmental Chemistry Services (ECS) in Castle Rock, Colorado for analytical testing. Analytical testing of the soil samples was completed using approved EPA Test Methods as outlined in the table below. Analytical deliverables provided by the testing laboratory and associated Chain of Custody for the groundwater monitoring well installation event is included in Appendix B.

Parameter Tested	EPA Test Method
Benzene, Toluene, Ethylbenzene, Xylene (BTEX) Total Volatile Petroleum Hydrocarbons - Gasoline Range Organics (TVPH-GRO)	8260B
Total Petroleum Hydrocarbons - Diesel Range Organics (TPH-DRO) Oil Range Organics (ORO)	8015

Analytical results indicate very low levels of ethylbenzene, xylene, GRO, DRO and ORO in the subsurface soils on the Site. All analytical results are below state action levels (risk Based Screening Levels). The analytical results from the Environmental Investigation summarized in Table 1.

CONCLUSIONS

Entech has performed an Environmental Investigation at the site located at 2875 Akers Drive in Colorado Springs, Colorado. The purpose of the test borings was to evaluate what, if any, impacts may exist in the subsurface soils beneath the Site. Based on the analytical results, it appears low levels of gas and diesel range organics have been identified in the subsurface soils.

RECOMMENDATIONS

Based on the results of the site investigation conducted by Entech, no further environmental investigation is recommended. Care should be taken in the future to prevent spills and overfills of potentially hazardous materials stored and/ or used on the Site. Areas of surface staining should be excavated and disposed of in accordance with current regulations.

STANDARD LIMITATIONS

This report was prepared in accordance with the scope of work outlined in Entech's proposal and with generally accepted professional engineering and environmental consulting practices existing at the time this report was prepared and applicable to the location of the site. It was prepared for the exclusive use of GE Johnson, for the express purpose stated above.

Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to Entech. To the extent that this report is based on information provided to Entech by third parties, Entech may have made efforts to verify this third-party information, but Entech cannot guarantee the completeness or accuracy of this information.

The opinions expressed and data collected are based on the conditions of the site existing at the time of the field investigation. No other warranties, expressed or implied are made by Entech.

We trust this has provided you with the information you required. If you have any questions or need additional information, please do not hesitate to contact us.

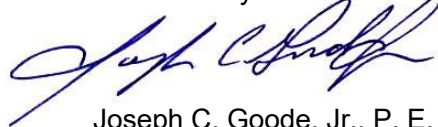
Respectfully Submitted,

ENTECH ENGINEERING, INC.



John Y. Pontaski, R.E.A.
Project Scientist

Reviewed by:



Joseph C. Goode, Jr., P. E.
President



TABLES

Dillie and Kuhn, Inc.
2875 Akers Drive
Colorado Springs, Colorado

December 20, 2017

TABLE 1
SUMMARY OF ANALYTICAL RESULTS¹

Test Boring No.	Depth (feet)	Date	Benzene	Toluene	Ethylbenzene	Xylene (Total)	TVPH	DRO	ORO
TB-1	2-3	12/6/2017	ND ²	ND	0.0021	0.012	0.72	ND	27
TB-2	8-9	12/6/2017	ND	ND	ND	ND	ND	13	ND
TB-3	8-9	12/6/2017	ND	ND	ND	ND	ND	10	ND
TB-4	8-9	12/6/2017	ND	ND	ND	ND	0.74	18	ND
RBSL ³			0.26	140	190	260	500	500	

Notes:

1 - Results presented as mg/kg

2 - ND - compound was analyzed for but not detected

3 - Colorado Department of Labor and Employment - Oil Inspection Section Tier 1 Risk Based Screening Levels (RBSLs)

FIGURES

Figure 1: Vicinity Map

Figure 2: Site Map/ GWMW Location Plan

Dillie and Kuhn, Inc.
2875 Akers Drive
Colorado Springs, Colorado

December 20, 2017



BASE MAP ADAPTED FROM
GOOGLE MAPS
2017
N.T.S.



ENTECH
ENGINEERING, INC.
505 ELKTON DRIVE
FALCON, CO. 80907 (719) 531-5599

VICINITY MAP
DILLIE & KUHN, INC.
2875 AKERS DRIVE
COLORADO SPRINGS, COLORADO
FOR: GE JOHNSON CONSTRUCTION COMPANY

DRAWN:
JYP

DATE:
12.11.17

CHECKED:

DATE:

JOB NO.:
171886

FIG NO.:
1



 TB-1: NUMBER AND APPROXIMATE LOCATION OF TEST BORING

SAMPLE ID (SAMPLE DEPTH)

B - BENZENE

T - TOLUENE

E - ETHYLBENZENE

X - XYLENE

TVPH - TOTAL VOLATILE PETROLEUM HYDROCARBONS

DRO - DIESEL RANGE ORGANICS

ORO - OIL RANGE ORGANICS

ND - NOT DETECTED AT THE REPORTING LIMIT

BASE MAP ADAPTED FROM

GOOGLE EARTH

2017

N.T.S.



ENTECH
ENGINEERING, INC.
505 ELKTON DRIVE
FALCON, CO. 80907 (719) 531-5599

SITE MAP
DILLIE & KUHN, INC.
2875 AKERS DRIVE
COLORADO SPRINGS, COLORADO
FOR: GE JOHNSON CONSTRUCTION COMPANY

DRAWN:
JYP

DATE:
10.9.17

CHECKED:

DATE:

JOB NO.:
171886

FIG NO.:
2

APPENDIX A

Test Boring Logs

Dillie and Kuhn, Inc.
2875 Akers Drive
Colorado Springs, Colorado

December 20, 2017

TEST BORING NO. 1 EAST MUD PIT
 DATE DRILLED 12/6/2017
 Job # 171886

TEST BORING NO. 2 EAST OF ASTs
 DATE DRILLED 12/6/2017
 CLIENT GE JOHNSON
 LOCATION 2875 AKERS DRIVE

REMARKS

DRY TO 20', 12/6/17

**SAND, SILTY TO CLAYEY,
 FINE TO COARSE GRAINED,
 MEDIUM DENSE, MOIST
 EARTHY ODOR**

Depth (ft)	Symbol	Samples	PID Reading	Watercontent %	Soil Type
5			0.7	11.2	1
			0.5	14.3	1
			0.3	11.4	1
10			0.2	12.4	1
			0.2	12.4	1
15			0.2	12.8	1
20			0.1	11.3	1

REMARKS

DRY TO 20', 12/6/17

**GRAVEL, SANDY
 SAND, SILTY TO CLAYEY,
 FINE TO COARSE GRAINED,
 MEDIUM DENSE, MOIST
 EARTHY ODOR**

Depth (ft)	Symbol	Samples	PID Reading	Watercontent %	Soil Type
5			0.2	14.7	1
			0.2	17.5	1
			0.2	16.8	1
10			0.3	16.4	1
			0.2	15.7	1
15			0.1	11.6	1
20			0.1	12.2	1



**ENTECH
 ENGINEERING, INC.**

505 ELKTON DRIVE
 COLORADO SPRINGS, COLORADO 80907

TEST BORING LOG

DRAWN:

DATE:

CHECKED:

DATE:

JOB NO.:

FIG NO.:

TEST BORING NO. 3 NEC OF BUILDING
 DATE DRILLED 12/6/2017
 Job # 171886

TEST BORING NO. 4 BY SANDTRAP
 DATE DRILLED 12/6/2017
 CLIENT GE JOHNSON
 LOCATION 2875 AKERS DRIVE

REMARKS	Depth (ft)	Symbol	Samples	PID Reading	Watercontent %	Soil Type	REMARKS	Depth (ft)	Symbol	Samples	PID Reading	Watercontent %	Soil Type
DRY TO 20', 12/6/17							DRY TO 20', 12/6/17						
GRAVEL, SANDY SAND, SILTY TO CLAYEY, FINE TO COARSE GRAINED, MEDIUM DENSE, MOIST EARTHY ODOR							GRAVEL, SANDY SAND, SILTY TO CLAYEY, FINE TO COARSE GRAINED, MEDIUM DENSE, MOIST EARTHY ODOR						
	5			0.2	18.7	1		5			0.2	13.2	1
				0.1	13.7	1					0.2	14.0	1
				0.1	14.0	1					0.1	15.1	1
	10			0.3	15.3	1		10			3.2	12.5	1
				0.1	16.7	1					0.1	11.6	1
	15			0.1	15.0	1		15					
	20			0.2	12.7	1		20					



ENTECH
ENGINEERING, INC.

505 ELKTON DRIVE
 COLORADO SPRINGS, COLORADO 80907

TEST BORING LOG

DRAWN:

DATE:

CHECKED:

DATE:

JOB NO.:

FIG NO.:

APPENDIX B
Analytical Results & Chain of Custody
December 6, 2017

Dillie and Kuhn, Inc.
2875 Akers Drive
Colorado Springs, Colorado

December 20, 2017



*Environmental Chemistry Services, Inc.
2 Oakwood Park Plaza; 100
Castle Rock, CO 80104-1885
TEL: (303) 850-7606 FAX: (303) 850-7609
Website: www.ecs-corp.com*

December 09, 2017

John Pontaski
Entech Engineering, Inc.
505 Elkton Drive
Colorado Springs, CO 80907
TEL: (719) 531-5599
FAX (719) 531-5238

RE: 2875 Akers Drive

Order No.: 1712006

Dear John Pontaski:

Environmental Chemistry Services, Inc. received 4 sample(s) on 12/7/2017 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report, 1712006, unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call or email.

TEL: (303) 850-7606 ext:300
kris@ecs-corp.com

Sincerely,

A handwritten signature in purple ink, appearing to be "Kris", with a stylized flourish at the end.

Kris Mascarenas
Director of Client Services
2 Oakwood Park Plaza; 100
Castle Rock, CO 80104-1885



Environmental Chemistry Services, Inc.
2 Oakwood Park Plaza; 100
Castle Rock, CO 80104-1885
TEL: (303) 850-7606 FAX: (303) 850-7609
Website: www.ecs-corp.com

Case Narrative

WO#: 1712006
Date: 12/9/2017

CLIENT: Entech Engineering, Inc.
Project: 2875 Akers Drive

WorkOrder Narrative:

1712006: This report in its entirety consists of the documents listed below. All documents contain the Environmental Chemistry Services, Inc. Work Order Number assigned to this report.

1. Paginated Report including: A Cover Letter, Case Narrative, Analytical Results, and Applicable Quality Control Reports.
2. Copies of the Chain of Custody Document(s) supplied with this sample set.
3. Electronic Data Deliverables (EDD) if requested.

Samples were analyzed for BTEX and TVPH by EPA Method 8260C. This is a gas chromatography/mass spectrometry method using purge and trap concentration and a capillary chromatography column. The surrogate standards are added to monitor purging efficiency.

Samples were analyzed for TPH-DRO and ORO (Diesel Range Organics and Oil Range Organics) by EPA Method 8015.

Any comments or problems with the analytical events associated with this report are noted below.

Prep Comments for METHOD (3545A), samples required Silica Gel Cleanup Procedure (Using Method No 3630C).

Environmental Chemistry Services, Inc.**Date:** 09-Dec-17

Client: Entech Engineering, Inc.
Work Order: 1712006
Project: 2875 Akers Drive
Lab ID: 1712006-01A

Client Sample ID: TB-1 (2-3')
Canister ID:
Collection Date: 12/6/2017 11:10:00 AM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
BTEX AND TVPH (GRO)		Method: SW8260C			Analyst: KM	
Benzene	ND	0.0010		mg/Kg	1	12/7/2017 2:05:00 PM
Toluene	ND	0.0020		mg/Kg	1	12/7/2017 2:05:00 PM
Ethylbenzene	0.0021	0.0010		mg/Kg	1	12/7/2017 2:05:00 PM
Xylenes, Total	0.012	0.0010		mg/Kg	1	12/7/2017 2:05:00 PM
TVPH	0.72	0.50		mg/Kg	1	12/7/2017 2:05:00 PM
Surr: Toluene-d8	93.3	50-150		%Rec	1	12/7/2017 2:05:00 PM
Surr: Dibromofluoromethane	90.3	50-150		%Rec	1	12/7/2017 2:05:00 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	D	Dilution was required.
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected above MDL below RL
	N	Tentatively identified compounds (Values are estimated)	ND	Not Detected at the RL
	R	RPD outside accepted recovery limits	R	Percent Difference outside accepted limits
				Page 3 of 13

Environmental Chemistry Services, Inc.**Date:** 09-Dec-17

Client: Entech Engineering, Inc.
Work Order: 1712006
Project: 2875 Akers Drive
Lab ID: 1712006-01B

Client Sample ID: TB-1 (2-3')
Canister ID:
Collection Date: 12/6/2017 11:10:00 AM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DIESEL/OIL RANGE ORGANICS						
		Method: SW8015B			SW3545A	Analyst: TSM
Diesel Range Organics C10-C28	ND	0.0023		mg/Kg-dry	1	12/8/2017 12:09:00 PM
Oil Range Organics C28-C34	27	0.0023		mg/Kg-dry	1	12/8/2017 12:09:00 PM
Surr: o-Terphenyl	95.6	70-130		%Rec	1	12/8/2017 12:09:00 PM
PERCENT MOISTURE						
		Method: D2216				Analyst: KM
Percent Moisture	13	1.0			1	12/8/2017 9:00:00 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	D	Dilution was required.
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected above MDL below RL
	N	Tentatively identified compounds (Values are estimated)	ND	Not Detected at the RL
	R	RPD outside accepted recovery limits	R	Percent Difference outside accepted limits
				Page 4 of 13

Environmental Chemistry Services, Inc.**Date:** 09-Dec-17**Client:** Entech Engineering, Inc.**Client Sample ID:** TB-2 (8-9')**Work Order:** 1712006**Canister ID:****Project:** 2875 Akers Drive**Collection Date:** 12/6/2017 12:25:00 PM**Lab ID:** 1712006-02A**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
BTEX AND TVPH (GRO)		Method: SW8260C				Analyst: KM
Benzene	ND	0.0010		mg/Kg	1	12/7/2017 2:28:00 PM
Toluene	ND	0.0020		mg/Kg	1	12/7/2017 2:28:00 PM
Ethylbenzene	ND	0.0010		mg/Kg	1	12/7/2017 2:28:00 PM
Xylenes, Total	ND	0.0010		mg/Kg	1	12/7/2017 2:28:00 PM
TVPH	ND	0.50		mg/Kg	1	12/7/2017 2:28:00 PM
Surr: Toluene-d8	93.9	50-150		%Rec	1	12/7/2017 2:28:00 PM
Surr: Dibromofluoromethane	118	50-150		%Rec	1	12/7/2017 2:28:00 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	D	Dilution was required.
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected above MDL below RL
	N	Tentatively identified compounds (Values are estimated)	ND	Not Detected at the RL
	R	RPD outside accepted recovery limits	R	Percent Difference outside accepted limits
				Page 5 of 13

Environmental Chemistry Services, Inc.**Date:** 09-Dec-17

Client: Entech Engineering, Inc.
Work Order: 1712006
Project: 2875 Akers Drive
Lab ID: 1712006-02B

Client Sample ID: TB-2 (8-9')
Canister ID:
Collection Date: 12/6/2017 12:25:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DIESEL/OIL RANGE ORGANICS						
		Method: SW8015B			SW3545A	Analyst: TSM
Diesel Range Organics C10-C28	13	0.0023		mg/Kg-dry	1	12/8/2017 12:47:00 PM
Oil Range Organics C28-C34	ND	0.0023		mg/Kg-dry	1	12/8/2017 12:47:00 PM
Surr: o-Terphenyl	93.6	70-130		%Rec	1	12/8/2017 12:47:00 PM
PERCENT MOISTURE						
		Method: D2216				Analyst: KM
Percent Moisture	15	1.0			1	12/8/2017 9:01:00 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	D	Dilution was required.
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected above MDL below RL
	N	Tentatively identified compounds (Values are estimated)	ND	Not Detected at the RL
	R	RPD outside accepted recovery limits	R	Percent Difference outside accepted limits
				Page 6 of 13

Environmental Chemistry Services, Inc.**Date:** 09-Dec-17**Client:** Entech Engineering, Inc.**Client Sample ID:** TB-3 (8-9')**Work Order:** 1712006**Canister ID:****Project:** 2875 Akers Drive**Collection Date:** 12/6/2017 11:45:00 AM**Lab ID:** 1712006-03A**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
BTEX AND TVPH (GRO)		Method: SW8260C				Analyst: KM
Benzene	ND	0.0010		mg/Kg	1	12/7/2017 2:52:00 PM
Toluene	ND	0.0020		mg/Kg	1	12/7/2017 2:52:00 PM
Ethylbenzene	ND	0.0010		mg/Kg	1	12/7/2017 2:52:00 PM
Xylenes, Total	ND	0.0010		mg/Kg	1	12/7/2017 2:52:00 PM
TVPH	ND	0.50		mg/Kg	1	12/7/2017 2:52:00 PM
Surr: Toluene-d8	94.5	50-150		%Rec	1	12/7/2017 2:52:00 PM
Surr: Dibromofluoromethane	120	50-150		%Rec	1	12/7/2017 2:52:00 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	D	Dilution was required.
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected above MDL below RL
	N	Tentatively identified compounds (Values are estimated)	ND	Not Detected at the RL
	R	RPD outside accepted recovery limits	R	Percent Difference outside accepted limits
				Page 7 of 13

Environmental Chemistry Services, Inc.**Date:** 09-Dec-17

Client: Entech Engineering, Inc.
Work Order: 1712006
Project: 2875 Akers Drive
Lab ID: 1712006-03B

Client Sample ID: TB-3 (8-9')
Canister ID:
Collection Date: 12/6/2017 11:45:00 AM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DIESEL/OIL RANGE ORGANICS						
		Method: SW8015B			SW3545A	Analyst: TSM
Diesel Range Organics C10-C28	10	0.0023		mg/Kg-dry	1	12/8/2017 1:24:00 PM
Oil Range Organics C28-C34	ND	0.0023		mg/Kg-dry	1	12/8/2017 1:24:00 PM
Surr: o-Terphenyl	94.7	70-130		%Rec	1	12/8/2017 1:24:00 PM
PERCENT MOISTURE						
		Method: D2216				Analyst: KM
Percent Moisture	13	1.0			1	12/8/2017 9:02:00 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	D	Dilution was required.
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected above MDL below RL
	N	Tentatively identified compounds (Values are estimated)	ND	Not Detected at the RL
	R	RPD outside accepted recovery limits	R	Percent Difference outside accepted limits
				Page 8 of 13

Environmental Chemistry Services, Inc.**Date:** 09-Dec-17

Client: Entech Engineering, Inc.
Work Order: 1712006
Project: 2875 Akers Drive
Lab ID: 1712006-04A

Client Sample ID: TB-4 (8-9')
Canister ID:
Collection Date: 12/6/2017 12:15:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
BTEX AND TVPH (GRO)				Method: SW8260C		Analyst: KM
Benzene	ND	0.0010		mg/Kg	1	12/7/2017 3:15:00 PM
Toluene	ND	0.0020		mg/Kg	1	12/7/2017 3:15:00 PM
Ethylbenzene	ND	0.0010		mg/Kg	1	12/7/2017 3:15:00 PM
Xylenes, Total	ND	0.0010		mg/Kg	1	12/7/2017 3:15:00 PM
TVPH	0.74	0.50		mg/Kg	1	12/7/2017 3:15:00 PM
Surr: Toluene-d8	92.8	50-150		%Rec	1	12/7/2017 3:15:00 PM
Surr: Dibromofluoromethane	119	50-150		%Rec	1	12/7/2017 3:15:00 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	D	Dilution was required.
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected above MDL below RL
	N	Tentatively identified compounds (Values are estimated)	ND	Not Detected at the RL
	R	RPD outside accepted recovery limits	R	Percent Difference outside accepted limits

Environmental Chemistry Services, Inc.**Date:** 09-Dec-17

Client: Entech Engineering, Inc.
Work Order: 1712006
Project: 2875 Akers Drive
Lab ID: 1712006-04B

Client Sample ID: TB-4 (8-9')
Canister ID:
Collection Date: 12/6/2017 12:15:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DIESEL/OIL RANGE ORGANICS						
		Method: SW8015B			SW3545A	Analyst: TSM
Diesel Range Organics C10-C28	18	0.0023		mg/Kg-dry	1	12/8/2017 2:01:00 PM
Oil Range Organics C28-C34	ND	0.0023		mg/Kg-dry	1	12/8/2017 2:01:00 PM
Surr: o-Terphenyl	99.6	70-130		%Rec	1	12/8/2017 2:01:00 PM
PERCENT MOISTURE						
		Method: D2216				Analyst: KM
Percent Moisture	12	1.0			1	12/8/2017 9:03:00 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	D	Dilution was required.
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected above MDL below RL
	N	Tentatively identified compounds (Values are estimated)	ND	Not Detected at the RL
	R	RPD outside accepted recovery limits	R	Percent Difference outside accepted limits
				Page 10 of 13



Environmental Chemistry Services, Inc.
2 Oakwood Park Plaza; 100
Castle Rock, CO 80104-1885
TEL: (303) 850-7606 FAX: (303) 850-7609
Website: www.ecs-corp.com

QC SUMMARY REPORT

Work Order: **1712006**
09-Dec-17

Client: Entech Engineering, Inc.
Project: 2875 Akers Drive

BatchID: 393

Sample ID: LCS-393	SampType: LCS	TestCode: DORO_S	Units: mg/Kg	Prep Date: 12/7/2017	RunNo: 3999						
Client ID: LCSS	Batch ID: 393	TestNo: SW8015B	SW3545A	Analysis Date: 12/8/2017	SeqNo: 53699						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics C10-C28	350	0.0020	333.3	0	105	70	130				
Oil Range Organics C28-C34	320	0.0020	333.3	0	95.9	70	130				
Surr: o-Terphenyl	6.5		6.666		97.9	70	130				

Sample ID: LCSD-393	SampType: LCSD	TestCode: DORO_S	Units: mg/Kg	Prep Date: 12/7/2017	RunNo: 3999						
Client ID: LCSS02	Batch ID: 393	TestNo: SW8015B	SW3545A	Analysis Date: 12/8/2017	SeqNo: 53700						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics C10-C28	310	0.0020	333.3	0	93.6	70	130	348.8	11.2	30	
Oil Range Organics C28-C34	340	0.0020	333.3	0	103	70	130	319.8	6.84	30	
Surr: o-Terphenyl	6.4		6.666		95.6	70	130		0	0	

Sample ID: MB-393	SampType: MBLK	TestCode: DORO_S	Units: mg/Kg	Prep Date: 12/7/2017	RunNo: 3999						
Client ID: PBS	Batch ID: 393	TestNo: SW8015B	SW3545A	Analysis Date: 12/8/2017	SeqNo: 53701						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics C10-C28	ND	0.0020									
Oil Range Organics C28-C34	ND	0.0020									
Surr: o-Terphenyl	6.4		6.666		96.5	70	130				

Qualifiers: B Analyte detected in the associated Method Blank D Dilution was required. H Holding times for preparation or analy
ND Not Detected at the RL O RSD is greater than RSDlimit R RPD outside accepted recovery limits
RL Reporting Limit S Spike Recovery outside accepted recovery limits W Sample container temperature is out o



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Website: www.ecs-corp.com

QC SUMMARY REPORT

Work Order: **1712006**
09-Dec-17

Client: Entech Engineering, Inc.
Project: 2875 Akers Drive

BatchID: R3991

Sample ID: BTEXM LCS	SampType: LCS	TestCode: BTEX_S	Units: mg/Kg	Prep Date:	RunNo: 3991						
Client ID: LCSS	Batch ID: R3991	TestNo: SW8260C		Analysis Date: 12/7/2017	SeqNo: 53628						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.036	0.0010	0.05000	0	72.4	50	150				
Toluene	0.039	0.0020	0.05000	0	77.1	50	150				
Ethylbenzene	0.051	0.0010	0.05000	0	102	50	150				
Xylenes, Total	0.16	0.0010	0.1500	0	104	50	150				
Surr: Toluene-d8	0.048		0.05000		96.5	50	150				
Surr: Dibromofluoromethane	0.056		0.05000		113	50	150				

Sample ID: TVPH LCS	SampType: LCS	TestCode: BTEX_S	Units: mg/Kg	Prep Date:	RunNo: 3991						
Client ID: LCSS	Batch ID: R3991	TestNo: SW8260C		Analysis Date: 12/7/2017	SeqNo: 53629						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TVPH	5.2	0.50	5.000	0	103	50	150				

Sample ID: BTEXM LCSD	SampType: LCSD	TestCode: BTEX_S	Units: mg/Kg	Prep Date:	RunNo: 3991						
Client ID: LCSS02	Batch ID: R3991	TestNo: SW8260C		Analysis Date: 12/7/2017	SeqNo: 53630						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.038	0.0010	0.05000	0	76.3	50	150	0.03619	5.27	30	
Toluene	0.040	0.0020	0.05000	0	79.3	50	150	0.03857	2.81	30	
Ethylbenzene	0.051	0.0010	0.05000	0	101	50	150	0.05110	1.16	30	
Xylenes, Total	0.16	0.0010	0.1500	0	105	50	150	0.1562	0.441	30	
Surr: Toluene-d8	0.047		0.05000		94.3	50	150		0	30	
Surr: Dibromofluoromethane	0.058		0.05000		116	50	150		0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required.	H	Holding times for preparation or analy
ND	Not Detected at the RL	O	RSD is greater than RSDlimit	R	RPD outside accepted recovery limits
RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out o



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QC SUMMARY REPORT

Work Order: **1712006**
09-Dec-17

Client: Entech Engineering, Inc.
Project: 2875 Akers Drive

BatchID: R3991

Sample ID: BTEXM LCSD	SampType: LCSD	TestCode: BTEX_S	Units: mg/Kg	Prep Date:	RunNo: 3991						
Client ID: LCSS02	Batch ID: R3991	TestNo: SW8260C		Analysis Date: 12/7/2017	SeqNo: 53630						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: TVPH LCSD	SampType: LCSD	TestCode: BTEX_S	Units: mg/Kg	Prep Date:	RunNo: 3991						
Client ID: LCSS02	Batch ID: R3991	TestNo: SW8260C		Analysis Date: 12/7/2017	SeqNo: 53631						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TVPH	4.8	0.50	5.000	0	95.6	50	150	5.161	7.62	30	

Sample ID: MBLK	SampType: MBLK	TestCode: BTEX_S	Units: mg/Kg	Prep Date:	RunNo: 3991						
Client ID: PBS	Batch ID: R3991	TestNo: SW8260C		Analysis Date: 12/7/2017	SeqNo: 53632						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0010									
Toluene	ND	0.0020									
Ethylbenzene	ND	0.0010									
Xylenes, Total	ND	0.0010									
TVPH	ND	0.50									
Surr: Toluene-d8	0.048		0.05000		96.9	50	150				
Surr: Dibromofluoromethane	0.056		0.05000		113	50	150				

Qualifiers:	B	Analyte detected in the associated Method Blank	D	Dilution was required.	H	Holding times for preparation or analy
	ND	Not Detected at the RL	O	RSD is greater than RSDlimit	R	RPD outside accepted recovery limits
	RL	Reporting Limit	S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out o



COC # 15415

[illegible]

THE ABOVE SIGNED HAS READ AND UNDERSTANDS THE CREDIT TERMS AND CREDIT POLICIES OF ECS, INC. AND AGREES TO THE TERMS AND CONDITIONS AS SET FORTH IN THIS AGREEMENT.

Preservative: H = HCl N = Nitric SF = Sulfuric

TU = Tube OT = Other

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