ENVIRONEERING, INC.

Table 3
Duplicate Analytical Results PAHs

Constituent	LNG-SB-109		LNG-SB-121		LNG-SB-125	
	0 - 0.5 feet	Dup-01	0 - 0.5 feet	Dup-02	0 - 0.5 feet	Dup-01
Acenaphthene	0.0737	0.0573	0.0186	0.0124	< 0.0113	< 0.0058
Acenapthylene	< 0.00587	< 0.00587	< 0.00599	< 0.006	< 0.0113	< 0.0058
Anthracene	0.135	0.1540	0.0355	0.0218	< 0.0113	< 0.0058
Benzo(a)anthracene	1.58	2.07	0.444	0.273	0.0545	0.0374
Benzo(a)pyrene	2.26	2.97	0.627	0.386	0.0871	0.0634
Benzo(b)fluoranthene	2.47	3.18	0.693	0.461	0.0922	0.0799
Benzo(g,h,i)perylene	1.73	2.23	0.539	0.376	0.0706	0.0636
Benzo(k)fluoranthene	1.55	2.060	0.443	0.278	0.038	0.0288
Chrysene	1.88	2.47	0.577	0.380	0.0779	0.0626
Dibenz(a,h)anthracene	0.35	0.463	0.123	0.074	0.0138	0.0101
Fluoranthene	2.1	2.51	0.516	0.326	0.105	0.0751
Fluorene	0.0322	0.0264	< 0.00599	< 0.006	< 0.0113	< 0.0058
Indeno(1,2,3-cd)pyrene	1.8	2.35	0.55	0.363	0.0598	0.0492
Naphthalene	0.0169	< 0.00587	< 0.00599	0.006	< 0.0113	< 0.0058
Phenanthrene	0.664	0.713	0.162	0.100	0.031	0.0230
Pyrene	1.87	2.36	0.51	0.320	0.0362	0.0651
% moisture	14.9	16	19.5	18.5	20.2	17.1

Notes:

1 Soil SSi = RECAP Soil Screening Standard for Non Industrial Property.

< Parameter concentration is not present above the method detection limit and is considered non-detect.

All values reported as dry weight in mg/Kg.

APPENDIX A

BORING LOGS AND FIELD NOTES

ENVIRONEERING, INC.
HOUSTON, TEXAS

Log of : LNG-SB-109

CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:	
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	12/10/2014
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.): 2.0'	BOREHOLE DIAMETER: 2"
DRILLING COMPANY:	Best Drilling	CASING:	SLOT SIZE:
DRILLER:	Carlos Estrada	SCREEN INTERVAL (ft.):	
DRILLING METHOD:	Geoprobe	GEOLOGIST:	H.Murrell

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand,Dark Brown, medium stiff, slightly plastic, dry, several roots	SM	
			Soil: Silty Sand, Reddish Brown, medium stiff, slightly plastic, dry, several roots	SM	
1			Soil: Silty Sand, Brown, medium stiff, slightly plastic, dry, few roots	SM	
			Soil: Silty Sand, Brown, medium stiff, slightly plastic, dry, few roots	SM	
2					

DRAFT: FOR REVIEW PURPOSES ONLY

ENVIRONEERING, INC.
HOUSTON, TEXAS

Log of : LNG-SB-110

CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:	
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	12/10/2014
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.): 3.0'	BOREHOLE DIAMETER: 2"
DRILLING COMPANY:	Best Drilling	CASING:	SLOT SIZE:
DRILLER:	Carlos Estrada	SCREEN INTERVAL (ft.):	
DRILLING METHOD:	Geoprobe	GEOLOGIST:	H.Murrell

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand, Dark Brown, medium stiff, slightly plastic, dry, several roots	SM	
			Soil: Silty Sand, Light Brown, medium stiff, slightly plastic, dry, several roots	SM	
1			Soil: Silty Sand, Gray Brown, medium stiff, slightly plastic, dry, few roots	SM	
			Soil: Clayey Sand, Gray Brown, medium stiff, slightly plastic, dry, few roots	CL	
2			Soil: Clayey Sand, Gray Brown, medium stiff, slightly plastic, dry, no roots	CL	
			Soil: Clayey Sand, Gray, medium stiff, slightly plastic, dry, no roots	CL	
3					

DRAFT: FOR REVIEW PURPOSES ONLY

ENVIRONEERING, INC.
HOUSTON, TEXAS

Log of : LNG-SB-111

CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:	
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	12/10/2014
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.): 2.0'	BOREHOLE DIAMETER: 2"
DRILLING COMPANY:	Best Drilling	CASING:	SLOT SIZE:
DRILLER:	Carlos Estrada	SCREEN INTERVAL (ft.):	
DRILLING METHOD:	Geoprobe	GEOLOGIST:	H.Murrell

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand, Dark Brown, medium stiff, slightly plastic, dry, several roots	SM	
			Soil: Silty Sand, Reddish Brown, medium stiff, slightly plastic, dry, several roots	SM	
1			Soil: Silty Sand, Gray Brown, medium stiff, slightly plastic, dry, few roots	SM	
			Soil: Clayey Sand, Gray Brown, medium stiff, slightly plastic, dry, few roots	CL	
2					

DRAFT: FOR REVIEW PURPOSES ONLY

ENVIRONEERING, INC.
HOUSTON, TEXAS

Log of : LNG-SB-112

CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:	
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	12/10/2014
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.): 3.0'	BOREHOLE DIAMETER: 2"
DRILLING COMPANY:	Best Drilling	CASING:	SLOT SIZE:
DRILLER:	Carlos Estrada	SCREEN INTERVAL (ft.):	
DRILLING METHOD:	Geoprobe	GEOLOGIST:	H.Murrell

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand, Dark Brown, medium stiff, slightly plastic, dry, several roots	SM	
			Soil: Silty Sand, Reddish Brown, medium stiff, slightly plastic, dry, several roots	SM	
1			Soil: Silty Sand, Reddish Brown, medium stiff, slightly plastic, dry, few roots	SM	
			Soil: Clayey Sand, Reddish Brown, medium stiff, slightly plastic, dry, few roots	CL	
2			Soil: Clayey Sand, Gray Brown, medium stiff, slightly plastic, dry, no roots	CL	
			Soil: Clayey Sand, Gray Brown, medium stiff, slightly plastic, dry, no roots	CL	
3					

DRAFT: FOR REVIEW PURPOSES ONLY

ENVIRONEERING, INC.
HOUSTON, TEXAS

Log of : LNG-SB-113

CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:	
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	12/10/2014
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.): 3.0'	BOREHOLE DIAMETER: 2"
DRILLING COMPANY:	Best Drilling	CASING:	SLOT SIZE:
DRILLER:	Carlos Estrada	SCREEN INTERVAL (ft.):	
DRILLING METHOD:	Geoprobe	GEOLOGIST:	H.Murrell

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand, Dark Brown, medium stiff, slightly plastic, dry, several roots	SM	
			Soil: Silty Sand, Gray Brown, medium stiff, slightly plastic, dry, several roots	SM	
1			Soil: Silty Sand,Gray Brown, medium stiff, slightly plastic, dry, few roots	SM	
			Soil: Clayey Sand, Reddish Brown, medium stiff, slightly plastic, dry, few roots	CL	
2			Soil: Clayey Sand, Gray Brown, medium stiff, slightly plastic, dry, no roots	CL	
			Soil: Clayey Sand, Gray Brown, medium stiff, slightly plastic, dry, no roots	CL	
3					

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ENVIRONEERING, INC.
HOUSTON, TEXAS

Log of : LNG-SB-114

CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:	
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	12/10/2014
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.): 2.0'	BOREHOLE DIAMETER: 2"
DRILLING COMPANY:	Best Drilling	CASING:	SLOT SIZE:
DRILLER:	Carlos Estrada	SCREEN INTERVAL (ft.):	
DRILLING METHOD:	Geoprobe	GEOLOGIST:	H.Murrell

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand, Dark Brown, medium stiff, slightly plastic, dry, several roots	SM	
			Soil: Silty Sand, Gray Brown, medium stiff, slightly plastic, dry, several roots	SM	
1			Soil: Silty Sand,Gray Brown, medium stiff, slightly plastic, dry, few roots	SM	
			Soil: Clayey Sand, Reddish Brown, medium stiff, slightly plastic, dry, few roots	CL	
2					

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ENVIRONEERING, INC.
HOUSTON, TEXAS

Log of : LNG-SB-115

CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:	
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	12/10/2014
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.): 3.0'	BOREHOLE DIAMETER: 2"
DRILLING COMPANY:	Best Drilling	CASING:	SLOT SIZE:
DRILLER:	Carlos Estrada	SCREEN INTERVAL (ft.):	
DRILLING METHOD:	Geoprobe	GEOLOGIST:	H.Murrell

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand,Dark Brown, medium stiff, slightly plastic, dry, several roots	SM	
			Soil: Silty Sand, Gray Brown, medium stiff, slightly plastic, dry, several roots	SM	
1			Soil: Silty Sand, Brown, medium stiff, slightly plastic, dry, few roots	SM	
			Soil: Silty Clay, Yellowish Brown, medium stiff, slightly plastic, dry, several roots	CL	
2			Soil: Silty Clay,Gray Brown, medium stiff, slightly plastic, dry, no roots	CL	
			Soil: Silty Clay, Gray Brown, medium stiff, slightly plastic, dry, no roots	CL	
3					

DRAFT: FOR REVIEW PURPOSES ONLY

ENVIRONEERING, INC.
HOUSTON, TEXAS

Log of : LNG-SB-116

CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:	
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	12/10/2014
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.): 2.0'	BOREHOLE DIAMETER: 2"
DRILLING COMPANY:	Best Drilling	CASING:	SLOT SIZE:
DRILLER:	Carlos Estrada	SCREEN INTERVAL (ft.):	
DRILLING METHOD:	Geoprobe	GEOLOGIST:	H.Murrell

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand, Dark Brown, medium stiff, slightly plastic, dry, several roots	SM	
			Soil: Silty Sand, Reddish Brown, medium stiff, slightly plastic, dry, several roots	SM	
1			Soil: Silty Sand, Gray Brown, medium stiff, slightly plastic, dry, few roots	SM	
			Soil: Silty Clay, Gray Brown, medium stiff, slightly plastic, dry, no roots	CL	
2					

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ENVIRONEERING, INC.
HOUSTON, TEXAS

Log of : LNG-SB-117

CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:	
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	12/10/2014
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.): 2.0'	BOREHOLE DIAMETER: 2"
DRILLING COMPANY:	Best Drilling	CASING:	SLOT SIZE:
DRILLER:	Carlos Estrada	SCREEN INTERVAL (ft.):	
DRILLING METHOD:	Geoprobe	GEOLOGIST:	H.Murrell

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand, Dark Brown, medium stiff, slightly plastic, dry, several roots	SM	
			Soil: Silty Sand, Brownish Gray, medium stiff, slightly plastic, dry, several roots	SM	
1			Soil: Silty Sand, Gray Brown, medium stiff, slightly plastic, dry, few roots	SM	
			Soil: Silty Clay, Gray Brown, medium stiff, slightly plastic, dry, no roots	CL	
2					

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ENVIRONEERING, INC.
HOUSTON, TEXAS

Log of : LNG-SB-118

CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:	
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	12/10/2014
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.): 2.0'	BOREHOLE DIAMETER: 2"
DRILLING COMPANY:	Best Drilling	CASING:	SLOT SIZE:
DRILLER:	Carlos Estrada	SCREEN INTERVAL (ft.):	
DRILLING METHOD:	Geoprobe	GEOLOGIST:	H.Murrell

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand, Dark Brown, medium stiff, slightly plastic, dry, several roots	SM	
			Soil: Silty Sand, Brownish Gray, medium stiff, slightly plastic, dry, several roots	SM	
1			Soil: Silty Sand, Gray Brown, medium stiff, slightly plastic, dry, few roots	SM	
			Soil: Silty Clay, Gray Brown, medium stiff, slightly plastic, dry, no roots	CL	
2					

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ENVIRONEERING, INC. HOUSTON, TEXAS		Log of :	LNG-SB-119		
CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:			
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	12/10/2014		
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.):	2.0'	BOREHOLE DIAMETER:	2"
DRILLING COMPANY:	Best Drilling	CASING:		SLOT SIZE:	
DRILLER:	Carlos Estrada	SCREEN INTERVAL (ft.):			
DRILLING METHOD:	Geoprobe	GEOLOGIST:	H.Murrell		

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand, Dark Brown, medium stiff, slightly plastic, dry, several roots	SM	
			Soil: Silty Sand, Brownish Gray, medium stiff, slightly plastic, dry, several roots	SM	
1			Soil: Silty Sand, Gray Brown, medium stiff, slightly plastic, dry, few roots	SM	
			Soil: Silty Clay, Gray Brown, medium stiff, slightly plastic, dry, no roots	CL	
2					

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ENVIRONEERING, INC.
HOUSTON, TEXAS

Log of : LNG-SB-120

CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:	
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	12/10/2014
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.): 2.0'	BOREHOLE DIAMETER: 2"
DRILLING COMPANY:	Best Drilling	CASING:	SLOT SIZE:
DRILLER:	Carlos Estrada	SCREEN INTERVAL (ft.):	
DRILLING METHOD:	Geoprobe	GEOLOGIST:	H.Murrell

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand, Dark Brown, medium stiff, slightly plastic, dry, several roots	SM	
			Soil: Silty Sand, Brownish Gray, medium stiff, slightly plastic, dry, several roots	SM	
1			Soil: Silty Sand, Gray Brown, medium stiff, slightly plastic, dry, few roots	SM	
			Soil: Silty Clay, Gray Brown, medium stiff, slightly plastic, dry, no roots	CL	
2					

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ENVIRONEERING, INC. HOUSTON, TEXAS		Log of :	LNG-SB-121		
CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:			
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	12/10/2014		
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.):	2.0'	BOREHOLE DIAMETER:	2"
DRILLING COMPANY:	Best Drilling	CASING:		SLOT SIZE:	
DRILLER:	Carlos Estrada	SCREEN INTERVAL (ft.):			
DRILLING METHOD:	Geoprobe	GEOLOGIST:	H.Murrell		

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand, Dark Brown, medium stiff, slightly plastic, dry, several roots	SM	
			Soil: Silty Sand, Brownish Gray, medium stiff, slightly plastic, dry, several roots	SM	
1			Soil: Silty Sand, Gray Brown, medium stiff, slightly plastic, dry, few roots	SM	
			Soil: Silty Clay, Gray Brown, medium stiff, slightly plastic, dry, no roots	CL	
2					

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ENVIRONEERING, INC.
HOUSTON, TEXAS

Log of : LNG-SB-122

CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:	
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	12/10/2014
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.): 2.5'	BOREHOLE DIAMETER: 2"
DRILLING COMPANY:	Best Drilling	CASING:	SLOT SIZE:
DRILLER:	Carlos Estrada	SCREEN INTERVAL (ft.):	
DRILLING METHOD:	Geoprobe	GEOLOGIST:	H.Murrell

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand, Dark Brown, medium stiff, slightly plastic, dry, several roots	SM	
			Soil: Silty Sand, Brownish Gray, medium stiff, slightly plastic, dry, several roots	SM	
1			Soil: Silty Sand, Gray Brown, medium stiff, slightly plastic, dry, few roots	SM	
			Soil: Silty Clay, Gray Brown, medium stiff, slightly plastic, dry, no roots	CL	
2			Soil: Silty Clay, Gray Brown, medium stiff, slightly plastic, dry, no roots	CL	

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ENVIRONEERING, INC. HOUSTON, TEXAS		Log of :	LNG-SB-123		
CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:			
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	1/6/2015		
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.):	0.5'	BOREHOLE DIAMETER:	2"
DRILLING COMPANY:	Environeering	CASING:		SLOT SIZE:	
DRILLER:	H.Murrell	SCREEN INTERVAL (ft.):			
DRILLING METHOD:	Manual	GEOLOGIST:	H.Murrell		

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand, Dark Brown, medium stiff, slightly plastic, dry, several roots		

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ENVIRONEERING, INC. HOUSTON, TEXAS		Log of :	LNG-SB-125	
CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:		
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	1/28/2015	
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.):	0.5'	BOREHOLE DIAMETER:
DRILLING COMPANY:	Environeering	CASING:		SLOT SIZE:
DRILLER:	H.Murrell	SCREEN INTERVAL (ft.):		
DRILLING METHOD:	Manual	GEOLOGIST:	H.Murrell	

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand, Dark Brown, medium stiff, slightly plastic, dry, several roots	SM	

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ENVIRONEERING, INC. HOUSTON, TEXAS		Log of :	LNG-SB-124		
CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:			
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	1/6/2015		
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.):	0.5'	BOREHOLE DIAMETER:	2"
DRILLING COMPANY:	Environeering	CASING:		SLOT SIZE:	
DRILLER:	H.Murrell	SCREEN INTERVAL (ft.):			
DRILLING METHOD:	Manual	GEOLOGIST:	H.Murrell		

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand, Dark Brown, medium stiff, slightly plastic, dry, several roots		

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ENVIRONEERING, INC. HOUSTON, TEXAS		Log of :	LNG-SB-126	
CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:		
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	1/28/2015	
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.):	0.5'	BOREHOLE DIAMETER:
DRILLING COMPANY:	Environeering	CASING:		SLOT SIZE:
DRILLER:	H.Murrell	SCREEN INTERVAL (ft.):		
DRILLING METHOD:	Manual	GEOLOGIST:	H.Murrell	

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand, Dark Brown, medium stiff, slightly plastic, dry, several roots	SM	

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ENVIRONEERING, INC.
HOUSTON, TEXAS

Log of : LNG-SB-127

CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:	
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	1/28/2015
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.): 0.5'	BOREHOLE DIAMETER:
DRILLING COMPANY:	Environeering	CASING:	SLOT SIZE:
DRILLER:	H.Murrell	SCREEN INTERVAL (ft.):	
DRILLING METHOD:	Manual	GEOLOGIST:	H.Murrell

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand, Dark Brown, medium stiff, slightly plastic, dry, several roots	SM	

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ENVIRONEERING, INC. HOUSTON, TEXAS		Log of :	LNG-SB-128
CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:	
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	1/28/2015
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.): 0.5'	BOREHOLE DIAMETER:
DRILLING COMPANY:	Environeering	CASING:	SLOT SIZE:
DRILLER:	H.Murrell	SCREEN INTERVAL (ft.):	
DRILLING METHOD:	Manual	GEOLOGIST:	H.Murrell

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand, Dark Brown, medium stiff, slightly plastic, dry, several roots	SM	

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ENVIRONEERING, INC.
HOUSTON, TEXAS

Log of : LNG-SB-129

CLIENT:	Alcoa	GROUND SURFACE ELEVATION AND DATUM:	
PROJECT:	Lake Charles Carbon Compnay	DATE COMPLETED:	1/28/2015
PROJECT LOCATION:	Lake Charles, Louisiana	TOTAL DEPTH (ft.): 0.5'	BOREHOLE DIAMETER:
DRILLING COMPANY:	Environeering	CASING:	SLOT SIZE:
DRILLER:	H.Murrell	SCREEN INTERVAL (ft.):	
DRILLING METHOD:	Manual	GEOLOGIST:	H.Murrell

DEPTH (feet)	OVM Reading	VISUAL LOG	DESCRIPTION	USCS Symbol	WELL CONSTRUCTION
0			Soil: Silty Sand, Dark Brown, medium stiff, slightly plastic, dry, several roots	SM	

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137-213 Lake Charles 10/29/14

1015 LNG-SB-83 moved 1 foot east due to utility line

0-2 silty sand with roots
2-10 " "
10-18 sand fine to medium grained

LNG-SB-82
0-6 silty sand SP very fine
6-18 sand fine SP very fine to fine

drilling completed @ 1030

137-213 Lake Charles
WEATHER: 50's Cloudy
ENV: HAYDEN MURRELL
PLAN: Advance Soil Sample

750 Onsite
810 Driller: Best drilling
Carlos Estrada
Larry Aucoin
Joe Krashen

830 Dig permit issu

Geoprobe 6610DT
2" sleeve

SB-71S
0-6 Soil: Silty Sand, dark
medium stiff
plastic dry sea
6-12 Soil: Silty Sand, gray
medium stiff, sl
dry several ant
12-18 Soil: Silty Sand, brown
slightly plastic dry per

137-213 Lake Urquhart 12/10/14

SB-115 Con't

12-24 Soil: Silty clay, Yellowish brown medium stiff, slightly plastic dry several roots

24-30 Soil: Silty Clay, Gray brown medium stiff, slightly plastic dry no roots

Sample time 900

Sample interval (0-0.5), (0.5-1), (1-1.5)

SB-116

0-6 Soil: Silty sand, dark brown medium stiff, slightly plastic, dry several roots

6-12 Soil: Silty Sand, Reddish brown medium stiff, slightly plastic dry

12-18 Soil: Silty Sand, Gray brown, medium stiff, slightly plastic, dry few roots

18-24 Soil: Silty clay, gray brown, medium stiff, slightly plastic dry, no roots

137-213 Lake Urquhart 12/10/14

SB-116

Sample time 910

Sample interval (0-0.5), (0.5-1), (1-1.5)

SB-117

0-6 Soil: Silty Sand, dark brown, medium stiff, slightly plastic, dry, several roots

6-12 Soil: Silty Sand, brown, gray, medium stiff, slightly plastic, dry, several roots

12-18 Soil: Sand, gray brown, medium stiff, slightly plastic, dry few roots

18-24 Soil: Silty clay, gray brown, medium stiff, plastic, dry, no roots

Sample time 920

Sample interval (0-0.5) (0.5-1) (1-1.5)

B7-213 Lake Charles 10/10/14

SB-118

0-6 Soil: Silty Sand, dark brown, medium stiff, slightly plastic, dry, several roots

6-12 Soil: Silty sand, brown, gray, medium stiff, slightly plastic, several roots

12-18 Soil, Silty sand, gray brown, medium stiff, slightly plastic, dry few roots

18-24 Soil, silty clay, gray brown medium stiff, slightly plastic, dry no roots

Sample time 9:35

Sample (0-0.5) (0.5-1) (1-1.5)

SB-119

0-6 Silty Sand, Dark brown, medium stiff, plastic, dry several roots

6-12 Silty Sand, brown gray, medium stiff, slightly plastic, dry several roots

12-18 Silty Sand, gray brown, medium stiff, slightly plastic, dry few roots

18-24 Silty clay, gray brown, medium stiff, slightly plastic, dry no roots

Sample time 9:45

Sample (0-0.5) (0.5-1) (1-1.5)

B7-213 Lake Charles 10/10/14

SB-120

0-6 Silty Sand, dark brown, medium stiff, slightly plastic, dry several roots

6-12 Silty sand, brown gray, medium stiff, slightly plastic, dry, several roots

12-18 Silty Sand, gray brown, medium stiff, slightly plastic, dry few roots

18-24 Silty clay, gray brown, medium stiff, slightly plastic, dry no roots

Sample time 9:55

Sample intervals (0-0.5) (0.5-1) (1-1.5)

SB-121/121 DUP

0-6 Silty Sand, dark brown, medium stiff, slightly plastic, dry several roots

6-12 Silty Sand, brown gray, medium stiff, slightly plastic, dry several roots

12-18 Silty Sand, gray brown, medium stiff, slightly plastic, dry few roots

18-24 Silty clay, gray brown, medium stiff, slightly plastic, dry no roots

Sample time 10:05

(0-0.5) (0.5-1) (1-1.5)

An equipment blank was taken 10/10

137-213 Lake Charles 2/10/14

SB-122

0-6 Silty Sand, dark brown, medium stiff, slightly plastic, dry several roots

6-12 Silty Sand, brownish gray, medium stiff, slightly plastic dry several roots

12-18 Silty Sand, gray brown, medium stiff, slightly plastic, dry few roots

18-24 Silty clay gray brown, slightly plastic dry no roots

24-30 Sample as above

Sample line 1035

(0-0.5) (0.5-1) (1-1.5)

SB-113

0-6 Silty Sand Dark brown, medium stiff, slightly plastic dry several roots

6-12 Silty sand gray brown same as above, ...

12-18 same as above

18-24 Clayey sand, reddish brown, medium stiff, slightly plastic dry, few roots

137-213 Lake Charles 12/10/14

SB-113

0-6 Silty Sand, dark brown medium stiff, slightly plastic, dry

6-12 Silty Sand, gray brown, same, same, same

12-18 Silty sand, gray brown, medium stiff, slightly plastic, dry, few roots

18-24 Clayey sand, reddish brown, medium stiff, slightly plastic, dry, few roots

24-30 Clayey sand gray brown, medium stiff, slightly plastic dry, no roots

30-36 Clayey sand, gray brown, medium stiff, slightly plastic dry, no roots

Sample line 1105

(0-0.5) (0.5-1) (1-1.5)

SB112

0-6 Silty Sand dark brown, medium stiff, slightly plastic, dry, several roots

6-12 Silty Sand, reddish brown, medium stiff

12-18 Silty Sand Reddish brown, same, same, same

18-24 Same as above

137-214 SB-112 (OA) 12/10/14

24-30 Clayey sand, ~~[illegible]~~ brown
medium stiff, slightly plastic, dry, [illegible]

30-36 Same as above
Sample time 1135
(0-0.5) (0.5-1) (1-1.5)

SB-109 / DCP

0-6 Silty Sand dark brown, medium stiff
slightly plastic, dry, some roots

6-12 Silty Sand, reddish brown, medium
stiff, slightly plastic, dry, [illegible]

12-18 Silty Sand, brown, medium stiff,
slightly plastic, dry, few roots

18-24 Silty Sand brown, medium stiff,
slightly plastic, dry, few roots
Sample time 1210
(0-0.5) (0.5-1) (1-1.5)

Equipment blank 2 lake
12/15

137-214 Lake Charles 12/10/14

SB-110

0-6 Silty Sand dark brown, medium
stiff, slightly plastic, dry, [illegible]

6-12 Silty sand light brown, medium
stiff, slightly plastic, dry, [illegible]

12-18 Silty sand, gray brown, medium
stiff, slightly plastic, dry, [illegible]

18-24 Clayey sand, gray brown, medium
stiff, slightly plastic, dry

24-30 same as above

30-36 Same as above

Sample time 1230
(0-0.5) (0.5-1) (1-1.5)

[illegible]
1430 Opposite

137-211 Lake Charles 1/6/2017

WEATHER: 30's Clear
ENV: HAYEN HUARELL
Plan: Take two (0-0.5) samples
ONSITE 730

DIG PERMIT ISSUE

SB-123 / DUP
0-0.5 silty sand dark brown
medium stiff, slightly plastic,
dry, several roots

Sample time 835

0-0.5 SB-124

Silty sand dark brown
medium stiff, slight plastic
dry several roots

Sample time 845

Equipment blank 900

900 approx

APPENDIX B

LABORATORY ANALYTICAL REPORT

January 06, 2015

Hayden Murrell
Environeering Inc.
810 Highway 6 South, Sutie 200
Houston, TX 77079
TEL: (281) 493-9005
FAX (281) 493-9007

Order No.: 1412146

RE: Lake Charles

Dear Hayden Murrell:

DHL Analytical, Inc. received 50 sample(s) on 12/11/2014 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Louisiana Laboratory Certification Number: 02044 (NELAC).

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DHL ANALYTICAL
2300 Double Creek Dr. ■ Round Rock, TX 78664
Phone (512) 388-8222 ■ FAX ( ) 388-8229
Web: www.dhlanalytical.com
E-Mail: login@dhlanalytical.com

nelap

№ 66730

CHAIN-OF-CUSTODY

CLIENT: ENVIRONEERING INC
ADDRESS:
PHONE: 281-493-9005 FAX/E-MAIL: BSTEVENS@ENVIRONEERINGINC
DATA REPORTED TO: BILL STEVENS
ADDITIONAL REPORT COPIES TO:

DATE: 12/10/14 PAGE 1 OF 4
PO #: TNLG DHL WORK ORDER #: 1412146
PROJECT LOCATION OR NAME: LAKE CHARLES
CLENT PROJECT #: COLLECTOR: HM

Authorize 5% surcharge for TRRP Report? ☐ Yes ☐ No

S=SOIL P=PAINT W=WATER SL=SLUDGE A=AIR O=OTHER L=LIQUID SO=SOLID

ANALYSES: BTEX ☐ MTBE ☐ (METHOD 8021) TPH 1005 ☐ TPH 1006 ☐ HOLD 1006 ☐ GRO (METHOD 8015) ☐ DRO (METHOD 8105) ☐ VOC 8260 ☐ VOC 624 ☐ VOC 8260/5035 ☐ SVOC 8270 ☐ SVOC 8270 ☐ HOLD PAH ☐ SVOC 625 ☐ 8081 PEST ☐ 608 PEST/PCB ☐ 8270 PEST ☐ 8270 O-P PEST ☐ 8082 PCB ☐ 8270 PCB ☐ 8321 HERB ☐ 8330 EXPL ☐ PERCHLORATE ☐ METALS 6020 ☐ METALS 200.8 ☐ DISS. METALS ☐ RCRA ☐ TX11 ☐ PH ☐ HEX CHROM ☐ ALKALINITY ☐ CHLORIDE ☐ ANIONS ☐ TCLP-SVOC ☐ VOC ☐ PEST ☐ HERB ☐ TCLP-METALS ☐ RCRA 8 ☐ TX-11 ☐ Pb ☐ RCI ☐ TOX ☐ FLASHPOINT ☐ TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES	FIELD NOTES
LNG-SB-109 (0.0-0.5)	01	12/10/14	1210	S	4 OZ JAR	1				X		X	RUN
LNG-SB-109 (0.5-1.0)	02											⊗ ALL PAH PER B. STEVENS 12/11/14 (W)	HOLD
LNG-SB-109 (1.0-1.5)	03												HOLD
LNG-SB-109 pup (0-0.5)	04		1210										RUN
LNG-SB-109 pup (0.5-1)	05												HOLD
LNG-SB-109 pup (1-1.5)	06												HOLD
LNG-SB-110 (0-0.5)	07		1230										RUN
LNG-SB-110 (0.5-1)	08												HOLD
LNG-SB-110 (1-1.5)	09												HOLD
LNG-SB-111 (0-0.5)	10		1120										RUN
LNG-SB-111 (0.5-1)	11												HOLD
LNG-SB-111 (1-1.5)	12												HOLD
LNG-SB-112 (0-0.5)	13		1135										~~RUN~~ HOLD
LNG-SB-112 (0.5-1)	14												HOLD
LNG-SB-112 (1-1.5)	15												HOLD
TOTAL													

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	12/10/14 1500	[signature]
[signature]	12/11/14 1020	[signature]

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☑
NORMAL ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 3.0, 1.2 THERM #: 57
CUSTODY SEALS: ☐ BROKEN ☐ INTACT ☐ NOT USED
☑ CARRIER BILL #: Fedex
☐ APC DELIVERY
☐ HAND DELIVERED

DHL ANALYTICAL
2300 Double Creek Dr. ■ Round Rock, TX 78664
Phone (512) 388-8222 ■ FAX ( ) 388-8229
Web: www.dhlanalytical.com
E-Mail: login@dhlanalytical.com

№ 66732

CHAIN-OF-CUSTODY

CLIENT: Enviroengineering
ADDRESS:
PHONE: FAX/E-MAIL:
DATA REPORTED TO:
ADDITIONAL REPORT COPIES TO:

DATE: PAGE 2 OF 4
PO #: DHL WORK ORDER #: 1412144
PROJECT LOCATION OR NAME: Lake Charles
CLENT PROJECT #: COLLECTOR:

Authorize 5% surcharge for TRRP Report? ☐ Yes ☐ No

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR O=OTHER
L=LIQUID SO=SOLID

PRESERVATION: HCl, HNO_3, H_2SO_4 ☐ NaOH ☐, ICE, UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐ (METHOD 8021) | TPH 1005 ☐ TPH 1006 ☐ HOLD 1006 ☐ | GRO (METHOD 8015) ☐ DRO (METHOD 8105) ☐ | VOC 8260 ☐ VOC 624 ☐ VOC 8260/5035 ☐ | SVOC 8270 ☐ 8270 ☐ HOLD PAH ☐ SVOC 625 ☐ | 8081 PEST ☐ 608 PEST/PCB ☐ 8270 PEST ☐ | 8270 O-P PEST ☐ 8082 PCB ☐ 8270 PCB ☐ | 8321 HERB ☐ 8330 EXPL ☐ PERCHLORATE ☐ | METALS 6020 ☐ METALS 200.8 ☐ DISS. METALS ☐ | RCRA ☐ TX11 ☐ | PH ☐ HEX CHROM ☐ ALKALINITY ☐ | CHLORIDE ☐ ANIONS ☐ | TCLP-SVOC ☐ VOC ☐ PEST ☐ HERB ☐ | TCLP-METALS ☐ RCRA 8 ☐ TX-11 ☐ Pb ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESERVED	ANALYSES	FIELD NOTES
LNG-SB 113 (0-0.5)	16	12/10/14	1135	S	4oz Jar	1				X	~~X~~	X	RUN
LNG-SB 113 (0.5-1)	17												HOLD
LNG-SB 113 (1-1.5)	18												HOLD
LNG-SB 114 (0-0.5)	19		1050										~~RUN~~ HOLD
LNG-SB 114 (0.5-1)	20												HOLD
LNG-SB 114 (1-1.5)	21												HOLD
LNG-SB 115 (0-0.5)	22		900										~~RUN~~ HOLD
LNG-SB 115 (0.5-1)	23												HOLD
LNG-SB 115 (1-1.5)	24												HOLD
LNG-SB 116 (0-0.5)	25		910										RUN
LNG-SB 116 (0.5-1)	26												HOLD
LNG-SB 116 (1-1.5)	27												HOLD
LNG-SB 117 (0-0.5)	28		920										~~RUN~~ HOLD
LNG-SB 117 (0.5-1)	29												HOLD
LNG-SB 117 (1-1.5)	30												HOLD
TOTAL													

RELINQUISHED BY: (Signature) [signature] DATE/TIME 12/10/14 1500 RECEIVED BY: (Signature) Fedex
RELINQUISHED BY: (Signature) Fedex DATE/TIME 12/11/14 1020 RECEIVED BY: (Signature) [signature]
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☑
NORMAL ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 3.0, 1.2 THERM #: 52
CUSTODY SEALS: ☐ BROKEN ☑ INTACT ☐ NOT USED
☑ CARRIER BILL #: Fedex
☐ APC DELIVERY
☐ HAND DELIVERED

DHL ANALYTICAL
2300 Double Creek Dr. ■ Round Rock, TX 78664
Phone (512) 388-8222 ■ FAX (512) 388-8229
Web: www.dhlanalytical.com
E-Mail: login@dhlanalytical.com

№ 6673

CHAIN-OF-CUSTODY

CLIENT: Environeering
ADDRESS:
PHONE: FAX/E-MAIL:
DATA REPORTED TO:
ADDITIONAL REPORT COPIES TO:

DATE: PAGE 3 OF 4
PO #: DHL WORK ORDER #: 1412146
PROJECT LOCATION OR NAME: Lake Charles
CLENT PROJECT #: COLLECTOR:

Authorize 5% surcharge for TRRP Report? ☐ Yes ☐ No

S=SOIL P=PAINT W=WATER SL=SLUDGE A=AIR O=OTHER L=LIQUID SO=SOLID

PRESERVATION: HCl, HNO_3, H_2SO_4 ☐ NaOH ☐, ICE, UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐ (METHOD 8021) | TPH 1005 ☐ TPH 1006 ☐ HOLD 1006 ☐ | GRO (METHOD 8015) ☐ DRO (METHOD 8015) ☐ | VOC 8260 ☐ VOC 624 ☐ VOC 8260/5035 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLD PAH ☐ SVOC 625 ☐ | 8081 PEST ☐ 608 PEST/PCB ☐ 8270 PEST ☐ | 8270 O-P PEST ☐ 8082 PCB ☐ 8270 PCB ☐ | 8321 HERB ☐ 8330 EXPL ☐ PERCHLORATE ☐ | METALS 6020 ☐ METALS 200.8 ☐ DISS. METALS ☐ | RCRA ☐ TX11 ☐ ___ ☐ | PH ☐ HEX CHROM ☐ ALKALINITY ☐ | CHLORIDE ☐ ANIONS ___ ☐ | TCLP-SVOC ☐ VOC ☐ PEST ☐ HERB ☐ | TCLP-METALS ☐ RCRA 8 ☐ TX-11 ☐ Pb ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES	FIELD NOTES
LNG-SB-119 (0-0.5)	31	10/10/14	935	S	4oz JAR	1				X		X	RUN
LNG-SB-119 (0.5-1)	32												HOLD
LNG-SB-119 (1-1.5)	33												HOLD
LNG-SB-119 (0-0.5)	34		945										RUN
LNG-SB-119 (0.5-1)	35												HOLD
LNG-SB-119 (1-1.5)	36												HOLD
LNG-SB-121 (0-0.5)	37		955										~~RUN~~ HOLD
LNG-SB-121 (0.5-1)	38												HOLD
LNG-SB-121 (1-1.5)	39												HOLD
LNG-SB-121 (0-0.5)	40		1010										RUN
LNG-SB-121 (0.5-1)	41												HOLD
LNG-SB-121 (1-1.5)	42												HOLD
LNG-SB-121 DUP (0-0.5)	43												RUN
LNG-SB-121 DUP (0.5-1)	44												HOLD
LNG-SB-121 DUP (1-1.5)	45												HOLD
TOTAL													

RELINQUISHED BY: (Signature) DATE/TIME 10/10/14 1500 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME 10/11/14 1020 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☑
NORMAL ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 3.0, 1.2 THERM #: 57
CUSTODY SEALS: ☐ BROKEN ☑ INTACT ☐ NOT USED
☑ CARRIER BILL #:
☐ APC DELIVERY
☐ HAND DELIVERED

DHL ANALYTICAL
2300 Double Creek Dr. ■ Round Rock, TX 78664
Phone (512) 388-8222 ■ FAX (512) 388-8229
Web: www.dhlanalytical.com
E-Mail: login@dhlanalytical.com

№ 6673

CHAIN-OF-CUSTODY

CLIENT: Enviroworks
ADDRESS:
PHONE: FAX/E-MAIL:
DATA REPORTED TO:
ADDITIONAL REPORT COPIES TO:

DATE: PAGE 4 OF 4
PO #: DHL WORK ORDER #: ~~1412244~~ 1412146
PROJECT LOCATION OR NAME: Lake Charles
CLENT PROJECT #: COLLECTOR:

Authorize 5% surcharge for TRRP Report? ☐ Yes ☐ No

S=SOIL P=PAINT W=WATER SL=SLUDGE A=AIR O=OTHER L=LIQUID SO=SOLID

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☐ MTBE ☐ (METHOD 8021)	TPH 1005 ☐ TPH 1006 ☐ HOLD 1006 ☐	GRO (METHOD 8015) ☐ DRO (METHOD 8015) ☐	VOC 8260 ☐ VOC 624 ☐ VOC 8260/5035 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLD PAH ☐ SVOC 625 ☐	8081 PEST ☐ 608 PEST/PCB ☐ 8270 PEST ☐	8270 O-P PEST ☐ 8082 PCB ☐ 8270 PCB ☐	8321 HERB ☐ 8330 EXPL ☐ PERCHLORATE ☐	METALS 6020 ☐ METALS 200.8 ☐ DISS. METALS ☐	RCRA ☐ TX11 ☐ ☐	PH ☐ HEX CHROM ☐ ALKALINITY ☐	CHLORIDE ☐ ANIONS ☐	TCLP-SVOC ☐ VOC ☐ PEST ☐ HERB ☐	TCLP-METALS ☐ RCRA 8 ☐ TX-11 ☐ Pb ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	FIELD NOTES
LNG-SB-12a (0-0.5)	46	12/10/14	1035	S	4 oz Jar	1				X						X													~~RUN~~ HOLD
LNG-SB-12a (0.5-1)	47	↓	↓	↓	↓	↓				↓						↓													HOLD
LNG-SB-12a (1-1.5)	48		↓	↓	↓																								HOLD
LNG-EQ BLANK 1	49		1010	W	500 ml Amber																								RUN
LNG-EQ BLANK 2	50	↓	1215	↓	↓	↓				↓						↓													RUN
TOTAL																													

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	12/10/14 1500	[signature]
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	12/11/14	1020 [signature]
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☑
NORMAL ☐
OTHER ☐ _____

LABORATORY USE ONLY:
RECEIVING TEMP: 3.0, 1.2 THERM #: 57
CUSTODY SEALS: ☐ BROKEN ☑ INTACT ☐ NOT USED
☑ CARRIER BILL #: [illegible]
☐ APC DELIVERY
☐ HAND DELIVERED

ORIGIN ID:LCHA (281) [illegible]
ENVIRONEERING INC
810 HIGHWAY 6 S STE 200
HOUSTON, TX 77079402
UNITED STATES US

SHIP DATE: 10DEC14
ACTWGT: 40.1 LB
CAD: 7OFFC1522
DIMS: 22x16x14 IN
BILL SENDER

TO JOHN DUPONT
DHL ANALYTICAL INC.
2300 DOUBLE CREEK DRIVE

ROUND ROCK T[illegible]4
(512) 388-8222
INV:
PO:
DEPT:

FedEx Express

2 of 3
MPS# 7801 5858 3336
0681
Mstr# 8771 0365 0291
0215

THU - 11 DEC 10:30A
PRIORITY OVERNIGHT

78664
TX-US AUS

XH BSMA

CUSTODY SEAL
DATE 12/10/14
SIGNATURE [signature]

QEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

ORIGIN ID:LCHA (281) 493-9005
ENVIRONEERING INC

810 HIGHWAY 6 S STE 200

HOUSTON, TX 770794022
UNITED STATES US

SHIP DATE: 10DEC14
ACTWGT: 60.5 LB
CAD: /OFFC1522
DIMS: 26x15x14 IN

BILL SENDER

Part # 156297-435 RIT2 09/14

TO JOHN DUPONT
OHL ANALYTICAL INC.
2300 DOUBLE CREEK DRIVE

ROUND ROCK TX 78664
(512) 388-8222 REF:
INV:
PO: DEPT:

FedEx Express

E

J14221409230126

1 of 3

TRK# 0215 8771 0365 5291

MASTER

XH BSMA

THU - 11 DEC 10:30A
PRIORITY OVERNIGHT

78664
TX-US AUS

CUSTODY SEAL
DATE 12/10/14
SIGNATURE [signature]

QEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

DHL Analytical, Inc.

Sample Receipt Checklist

Client Name Environeering Inc. | Date Received: 12/11/2014

ork Order Number 1412146 | Received by JB

Checklist completed by: [signature] 12/11/2014 (Signature / Date) | Reviewed by JD 12/11/2014 (Initials / Date)

Carrier name FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping 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 ☐	3.0 °C, 1.2
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH<2 acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted?		Checked by
Water - ph>9 (S) or ph>12 (CN) acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted?		Checked by

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

DHL Analytical, Inc. **Date:** *06-Jan-15*

CLIENT: Environeering Inc.
Project: Lake Charles
Lab Order: 1412146

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Method SW8270D - PAH Analysis
Method D2216 - Percent Moisture

LOG IN

Samples were received and log-in performed on 12/11/14. A total of 50 samples were received. On 12/11/14 six samples were put on "Hold" and on 12/17/14 PAH analysis was added on to sample LNG-SB-109 (1.5-1.0) as per the client. These were performed as requested. The samples arrived in good condition and were properly packaged.

PAH ANALYSIS

For PAH analysis (batch 67077) only Equipment Blanks were analyzed. The QC includes the method blank and LCS.

DHL Analytical, Inc.

Date: *06-Jan-15*

CLIENT: Environeering Inc.
Project: Lake Charles
Lab Order: 1412146

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1412146-01	LNG-SB-109 (0.0-0.5)		12/10/14 12:10 PM	12/11/2014
1412146-02	LNG-SB-109 (0.5-1.0)		12/10/14 12:10 PM	12/11/2014
1412146-03	LNG-SB-109 (1.0-1.5)		12/10/14 12:10 PM	12/11/2014
1412146-04	LNG-SB-109 DUP (0-0.5)		12/10/14 12:10 PM	12/11/2014
1412146-05	LNG-SB-109 DUP (0.5-1)		12/10/14 12:10 PM	12/11/2014
1412146-06	LNG-SB-109 DUP (1-1.5)		12/10/14 12:10 PM	12/11/2014
1412146-07	LNG-SB-110 (0-0.5)		12/10/14 12:30 PM	12/11/2014
1412146-08	LNG-SB-110 (0.5-1)		12/10/14 12:30 PM	12/11/2014
1412146-09	LNG-SB-110 (1-1.5)		12/10/14 12:30 PM	12/11/2014
1412146-10	LNG-SB-111 (0-0.5)		12/10/14 11:20 AM	12/11/2014
1412146-11	LNG-SB-111 (0.5-1)		12/10/14 11:20 AM	12/11/2014
1412146-12	LNG-SB-111 (1-1.5)		12/10/14 11:20 AM	12/11/2014
1412146-13	LNG-SB-112 (0-0.5)		12/10/14 11:35 AM	12/11/2014
1412146-14	LNG-SB-112 (0.5-1)		12/10/14 11:35 AM	12/11/2014
1412146-15	LNG-SB-112 (1-1.5)		12/10/14 11:35 AM	12/11/2014
1412146-16	LNG-SB-113 (0-0.5)		12/10/14 11:05 AM	12/11/2014
1412146-17	LNG-SB-113 (0.5-1)		12/10/14 11:05 AM	12/11/2014
1412146-18	LNG-SB-113 (1-1.5)		12/10/14 11:05 AM	12/11/2014
1412146-19	LNG-SB-114 (0-0.5)		12/10/14 10:50 AM	12/11/2014
1412146-20	LNG-SB-114 (0.5-1)		12/10/14 10:50 AM	12/11/2014
1412146-21	LNG-SB-114 (1-1.5)		12/10/14 10:50 AM	12/11/2014
1412146-22	LNG-SB-115 (0-0.5)		12/10/14 09:00 AM	12/11/2014
1412146-23	LNG-SB-115 (0.5-1)		12/10/14 09:00 AM	12/11/2014
1412146-24	LNG-SB-115 (1-1.5)		12/10/14 09:00 AM	12/11/2014
1412146-25	LNG-SB-116 (0-0.5)		12/10/14 09:10 AM	12/11/2014
1412146-26	LNG-SB-116 (0.5-1)		12/10/14 09:10 AM	12/11/2014
1412146-27	LNG-SB-116 (1-1.5)		12/10/14 09:10 AM	12/11/2014
1412146-28	LNG-SB-117 (0-0.5)		12/10/14 09:20 AM	12/11/2014
1412146-29	LNG-SB-117 (0.5-1)		12/10/14 09:20 AM	12/11/2014
1412146-30	LNG-SB-117 (1-1.5)		12/10/14 09:20 AM	12/11/2014
1412146-31	LNG-SB-118 (0-0.5)		12/10/14 09:35 AM	12/11/2014
1412146-32	LNG-SB-118 (0.5-1)		12/10/14 09:35 AM	12/11/2014
1412146-33	LNG-SB-118 (1-1.5)		12/10/14 09:35 AM	12/11/2014
1412146-34	LNG-SB-119 (0-0.5)		12/10/14 09:45 AM	12/11/2014
1412146-35	LNG-SB-119 (0.5-1)		12/10/14 09:45 AM	12/11/2014
1412146-36	LNG-SB-119 (1-1.5)		12/10/14 09:45 AM	12/11/2014
1412146-37	LNG-SB-120 (0-0.5)		12/10/14 09:55 AM	12/11/2014
1412146-38	LNG-SB-120 (0.5-1)		12/10/14 09:55 AM	12/11/2014
1412146-39	LNG-SB-120 (1-1.5)		12/10/14 09:55 AM	12/11/2014
1412146-40	LNG-SB-121 (0-0.5)		12/10/14 10:10 AM	12/11/2014
1412146-41	LNG-SB-121 (0.5-1)		12/10/14 10:10 AM	12/11/2014
1412146-42	LNG-SB-121 (1-1.5)		12/10/14 10:10 AM	12/11/2014

CLIENT: Environeering Inc.
Project: Lake Charles
Lab Order: 1412146

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1412146-43	LNG-SB-121 DUP (0-0.5)		12/10/14 10:10 AM	12/11/2014
1412146-44	LNG-SB-121 DUP (0.5-1)		12/10/14 10:10 AM	12/11/2014
1412146-45	LNG-SB-121 DUP (1-1.5)		12/10/14 10:10 AM	12/11/2014
1412146-46	LNG-SB-122 (0-0.5)		12/10/14 10:35 AM	12/11/2014
1412146-47	LNG-SB-122 (0.5-1)		12/10/14 10:35 AM	12/11/2014
1412146-48	LNG-SB-122 (1-1.5)		12/10/14 10:35 AM	12/11/2014
1412146-49	LNG-EQ BLANK 1		12/10/14 10:10 AM	12/11/2014
1412146-50	LNG-EQ BLANK 2		12/10/14 12:15 PM	12/11/2014

Lab Order: 1412146
Client: Environeering Inc.
Project: Lake Charles

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1412146-01A	LNG-SB-109 (0.0-0.5)	12/10/14 12:10 PM	Soil	D2216	Moisture Preparation	12/11/14 11:33 AM	67070
	LNG-SB-109 (0.0-0.5)	12/10/14 12:10 PM	Soil	SW3550C	Soil Prep Sonication: PAH	12/11/14 12:59 PM	67076
1412146-02A	LNG-SB-109 (0.5-1.0)	12/10/14 12:10 PM	Soil	D2216	Moisture Preparation	12/18/14 10:04 AM	67248
	LNG-SB-109 (0.5-1.0)	12/10/14 12:10 PM	Soil	SW3550C	Soil Prep Sonication: PAH	12/17/14 05:01 PM	67231
1412146-04A	LNG-SB-109 DUP (0-0.5)	12/10/14 12:10 PM	Soil	D2216	Moisture Preparation	12/11/14 11:33 AM	67070
	LNG-SB-109 DUP (0-0.5)	12/10/14 12:10 PM	Soil	SW3550C	Soil Prep Sonication: PAH	12/11/14 12:59 PM	67076
1412146-07A	LNG-SB-110 (0-0.5)	12/10/14 12:30 PM	Soil	D2216	Moisture Preparation	12/11/14 11:33 AM	67070
	LNG-SB-110 (0-0.5)	12/10/14 12:30 PM	Soil	SW3550C	Soil Prep Sonication: PAH	12/11/14 12:59 PM	67076
1412146-10A	LNG-SB-111 (0-0.5)	12/10/14 11:20 AM	Soil	D2216	Moisture Preparation	12/11/14 11:33 AM	67070
	LNG-SB-111 (0-0.5)	12/10/14 11:20 AM	Soil	SW3550C	Soil Prep Sonication: PAH	12/11/14 12:59 PM	67076
1412146-16A	LNG-SB-113 (0-0.5)	12/10/14 11:05 AM	Soil	D2216	Moisture Preparation	12/11/14 11:33 AM	67070
	LNG-SB-113 (0-0.5)	12/10/14 11:05 AM	Soil	SW3550C	Soil Prep Sonication: PAH	12/11/14 12:59 PM	67076
1412146-25A	LNG-SB-116 (0-0.5)	12/10/14 09:10 AM	Soil	D2216	Moisture Preparation	12/11/14 11:33 AM	67070
	LNG-SB-116 (0-0.5)	12/10/14 09:10 AM	Soil	SW3550C	Soil Prep Sonication: PAH	12/11/14 12:59 PM	67076
1412146-31A	LNG-SB-118 (0-0.5)	12/10/14 09:35 AM	Soil	D2216	Moisture Preparation	12/11/14 03:01 PM	67082
	LNG-SB-118 (0-0.5)	12/10/14 09:35 AM	Soil	SW3550C	Soil Prep Sonication: PAH	12/11/14 12:59 PM	67076
1412146-34A	LNG-SB-119 (0-0.5)	12/10/14 09:45 AM	Soil	D2216	Moisture Preparation	12/11/14 03:01 PM	67082
	LNG-SB-119 (0-0.5)	12/10/14 09:45 AM	Soil	SW3550C	Soil Prep Sonication: PAH	12/11/14 12:59 PM	67076
1412146-40A	LNG-SB-121 (0-0.5)	12/10/14 10:10 AM	Soil	D2216	Moisture Preparation	12/11/14 03:01 PM	67082
	LNG-SB-121 (0-0.5)	12/10/14 10:10 AM	Soil	SW3550C	Soil Prep Sonication: PAH	12/11/14 12:59 PM	67076
1412146-43A	LNG-SB-121 DUP (0-0.5)	12/10/14 10:10 AM	Soil	D2216	Moisture Preparation	12/11/14 03:01 PM	67082
	LNG-SB-121 DUP (0-0.5)	12/10/14 10:10 AM	Soil	SW3550C	Soil Prep Sonication: PAH	12/11/14 12:59 PM	67076
1412146-49A	LNG-EQ BLANK 1	12/10/14 10:10 AM	Equip Blank	SW3510C	Aq Prep Sep Funnel: PAH	12/11/14 01:02 PM	67077
1412146-50A	LNG-EQ BLANK 2	12/10/14 12:15 PM	Equip Blank	SW3510C	Aq Prep Sep Funnel: PAH	12/11/14 01:02 PM	67077

Lab Order: 1412146
Client: Environeering Inc.
Project: Lake Charles

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1412146-01A	LNG-SB-109 (0.0-0.5)	Soil	SW8270D	PAHs: GC/MS	67076	1	12/12/14 07:00 PM	GCMS4_141212A
	LNG-SB-109 (0.0-0.5)	Soil	D2216	Percent Moisture	67070	1	12/12/14 10:57 AM	PMOIST_141211A
1412146-02A	LNG-SB-109 (0.5-1.0)	Soil	SW8270D	PAHs: GC/MS	67231	1	12/19/14 08:20 PM	GCMS4_141219A
	LNG-SB-109 (0.5-1.0)	Soil	D2216	Percent Moisture	67248	1	12/19/14 01:57 PM	PMOIST_141218D
1412146-04A	LNG-SB-109 DUP (0-0.5)	Soil	SW8270D	PAHs: GC/MS	67076	1	12/12/14 06:29 PM	GCMS4_141212A
	LNG-SB-109 DUP (0-0.5)	Soil	D2216	Percent Moisture	67070	1	12/12/14 10:57 AM	PMOIST_141211A
1412146-07A	LNG-SB-110 (0-0.5)	Soil	SW8270D	PAHs: GC/MS	67076	1	12/12/14 02:21 PM	GCMS4_141212A
	LNG-SB-110 (0-0.5)	Soil	D2216	Percent Moisture	67070	1	12/12/14 10:57 AM	PMOIST_141211A
1412146-10A	LNG-SB-111 (0-0.5)	Soil	SW8270D	PAHs: GC/MS	67076	1	12/12/14 05:27 PM	GCMS4_141212A
	LNG-SB-111 (0-0.5)	Soil	D2216	Percent Moisture	67070	1	12/12/14 10:57 AM	PMOIST_141211A
1412146-16A	LNG-SB-113 (0-0.5)	Soil	SW8270D	PAHs: GC/MS	67076	1	12/12/14 05:58 PM	GCMS4_141212A
	LNG-SB-113 (0-0.5)	Soil	D2216	Percent Moisture	67070	1	12/12/14 10:57 AM	PMOIST_141211A
1412146-25A	LNG-SB-116 (0-0.5)	Soil	SW8270D	PAHs: GC/MS	67076	1	12/12/14 03:24 PM	GCMS4_141212A
	LNG-SB-116 (0-0.5)	Soil	D2216	Percent Moisture	67070	1	12/12/14 10:57 AM	PMOIST_141211A
1412146-31A	LNG-SB-118 (0-0.5)	Soil	SW8270D	PAHs: GC/MS	67076	1	12/12/14 03:54 PM	GCMS4_141212A
	LNG-SB-118 (0-0.5)	Soil	D2216	Percent Moisture	67082	1	12/12/14 11:03 AM	PMOIST_141211B
1412146-34A	LNG-SB-119 (0-0.5)	Soil	SW8270D	PAHs: GC/MS	67076	1	12/12/14 04:25 PM	GCMS4_141212A
	LNG-SB-119 (0-0.5)	Soil	D2216	Percent Moisture	67082	1	12/12/14 11:03 AM	PMOIST_141211B
1412146-40A	LNG-SB-121 (0-0.5)	Soil	SW8270D	PAHs: GC/MS	67076	1	12/12/14 04:56 PM	GCMS4_141212A
	LNG-SB-121 (0-0.5)	Soil	D2216	Percent Moisture	67082	1	12/12/14 11:03 AM	PMOIST_141211B
1412146-43A	LNG-SB-121 DUP (0-0.5)	Soil	SW8270D	PAHs: GC/MS	67076	1	12/12/14 02:52 PM	GCMS4_141212A
	LNG-SB-121 DUP (0-0.5)	Soil	D2216	Percent Moisture	67082	1	12/12/14 11:03 AM	PMOIST_141211B
1412146-49A	LNG-EQ BLANK 1	Equip Blank	SW8270D	PAHs: GC/MS	67077	1	12/12/14 05:02 PM	GCMS6_141212B
1412146-50A	LNG-EQ BLANK 2	Equip Blank	SW8270D	PAHs: GC/MS	67077	1	12/12/14 05:46 PM	GCMS6_141212B

DHL Analytical, Inc.

Date: *06-Jan-15*

CLIENT: Environeering Inc.
Project: Lake Charles
Project No:
Lab Order: 1412146

Client Sample ID: LNG-SB-109 (0.0-0.5)
Lab ID: 1412146-01
Collection Date: 12/10/14 12:10 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
PAHS: GC/MS		**SW8270D**					Analyst: **AS**
Acenaphthene	0.0737	0.00587	0.0117		mg/Kg-dry	1	12/12/14 07:00 PM
Acenaphthylene	ND	0.00587	0.0117		mg/Kg-dry	1	12/12/14 07:00 PM
Anthracene	0.135	0.00587	0.0117		mg/Kg-dry	1	12/12/14 07:00 PM
Benzo[a]anthracene	1.58	0.00587	0.0117		mg/Kg-dry	1	12/12/14 07:00 PM
Benzo[a]pyrene	2.26	0.00587	0.0117		mg/Kg-dry	1	12/12/14 07:00 PM
Benzo[b]fluoranthene	2.47	0.00587	0.0117		mg/Kg-dry	1	12/12/14 07:00 PM
Benzo[g,h,i]perylene	1.73	0.00587	0.0117		mg/Kg-dry	1	12/12/14 07:00 PM
Benzo[k]fluoranthene	1.55	0.00587	0.0117		mg/Kg-dry	1	12/12/14 07:00 PM
Chrysene	1.88	0.00587	0.0117		mg/Kg-dry	1	12/12/14 07:00 PM
Dibenz[a,h]anthracene	0.350	0.00587	0.0117		mg/Kg-dry	1	12/12/14 07:00 PM
Fluoranthene	2.10	0.00587	0.0117		mg/Kg-dry	1	12/12/14 07:00 PM
Fluorene	0.0322	0.00587	0.0117		mg/Kg-dry	1	12/12/14 07:00 PM
Indeno[1,2,3-cd]pyrene	1.80	0.00587	0.0117		mg/Kg-dry	1	12/12/14 07:00 PM
Naphthalene	0.0169	0.00587	0.0117		mg/Kg-dry	1	12/12/14 07:00 PM
Phenanthrene	0.664	0.00587	0.0117		mg/Kg-dry	1	12/12/14 07:00 PM
Pyrene	1.87	0.00587	0.0117		mg/Kg-dry	1	12/12/14 07:00 PM
Surr: 2-Fluorobiphenyl	80.8	0	43-125		%REC	1	12/12/14 07:00 PM
Surr: 4-Terphenyl-d14	97.9	0	32-125		%REC	1	12/12/14 07:00 PM
PERCENT MOISTURE		**D2216**					Analyst: **JL**
Percent Moisture	14.9	0	0		WT%	1	12/12/14 10:57 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *06-Jan-15*

CLIENT: Environeering Inc.
Project: Lake Charles
Project No:
Lab Order: 1412146

Client Sample ID: LNG-SB-109 (0.5-1.0)
Lab ID: 1412146-02
Collection Date: 12/10/14 12:10 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
PAHS: GC/MS		**SW8270D**					Analyst: **AS**
Acenaphthene	ND	0.00531	0.0106		mg/Kg-dry	1	12/19/14 08:20 PM
Acenaphthylene	ND	0.00531	0.0106		mg/Kg-dry	1	12/19/14 08:20 PM
Anthracene	0.0115	0.00531	0.0106		mg/Kg-dry	1	12/19/14 08:20 PM
Benzo[a]anthracene	0.131	0.00531	0.0106		mg/Kg-dry	1	12/19/14 08:20 PM
Benzo[a]pyrene	0.180	0.00531	0.0106		mg/Kg-dry	1	12/19/14 08:20 PM
Benzo[b]fluoranthene	0.201	0.00531	0.0106		mg/Kg-dry	1	12/19/14 08:20 PM
Benzo[g,h,i]perylene	0.181	0.00531	0.0106		mg/Kg-dry	1	12/19/14 08:20 PM
Benzo[k]fluoranthene	0.149	0.00531	0.0106		mg/Kg-dry	1	12/19/14 08:20 PM
Chrysene	0.173	0.00531	0.0106		mg/Kg-dry	1	12/19/14 08:20 PM
Dibenz[a,h]anthracene	0.0303	0.00531	0.0106		mg/Kg-dry	1	12/19/14 08:20 PM
Fluoranthene	0.156	0.00531	0.0106		mg/Kg-dry	1	12/19/14 08:20 PM
Fluorene	ND	0.00531	0.0106		mg/Kg-dry	1	12/19/14 08:20 PM
Indeno[1,2,3-cd]pyrene	0.179	0.00531	0.0106		mg/Kg-dry	1	12/19/14 08:20 PM
Naphthalene	ND	0.00531	0.0106		mg/Kg-dry	1	12/19/14 08:20 PM
Phenanthrene	0.0581	0.00531	0.0106		mg/Kg-dry	1	12/19/14 08:20 PM
Pyrene	0.151	0.00531	0.0106		mg/Kg-dry	1	12/19/14 08:20 PM
Surr: 2-Fluorobiphenyl	78.9	0	43-125		%REC	1	12/19/14 08:20 PM
Surr: 4-Terphenyl-d14	96.1	0	32-125		%REC	1	12/19/14 08:20 PM
PERCENT MOISTURE		**D2216**					Analyst: **JL**
Percent Moisture	9.49	0	0		WT%	1	12/19/14 01:57 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *06-Jan-15*

CLIENT: Environeering Inc.
Project: Lake Charles
Project No:
Lab Order: 1412146

Client Sample ID: LNG-SB-109 DUP (0-0.5)
Lab ID: 1412146-04
Collection Date: 12/10/14 12:10 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
PAHS: GC/MS		**SW8270D**					Analyst: **AS**
Acenaphthene	0.0573	0.00582	0.0116		mg/Kg-dry	1	12/12/14 06:29 PM
Acenaphthylene	ND	0.00582	0.0116		mg/Kg-dry	1	12/12/14 06:29 PM
Anthracene	0.154	0.00582	0.0116		mg/Kg-dry	1	12/12/14 06:29 PM
Benzo[a]anthracene	2.07	0.00582	0.0116		mg/Kg-dry	1	12/12/14 06:29 PM
Benzo[a]pyrene	2.97	0.00582	0.0116		mg/Kg-dry	1	12/12/14 06:29 PM
Benzo[b]fluoranthene	3.18	0.00582	0.0116		mg/Kg-dry	1	12/12/14 06:29 PM
Benzo[g,h,i]perylene	2.23	0.00582	0.0116		mg/Kg-dry	1	12/12/14 06:29 PM
Benzo[k]fluoranthene	2.06	0.00582	0.0116		mg/Kg-dry	1	12/12/14 06:29 PM
Chrysene	2.47	0.00582	0.0116		mg/Kg-dry	1	12/12/14 06:29 PM
Dibenz[a,h]anthracene	0.463	0.00582	0.0116		mg/Kg-dry	1	12/12/14 06:29 PM
Fluoranthene	2.51	0.00582	0.0116		mg/Kg-dry	1	12/12/14 06:29 PM
Fluorene	0.0264	0.00582	0.0116		mg/Kg-dry	1	12/12/14 06:29 PM
Indeno[1,2,3-cd]pyrene	2.35	0.00582	0.0116		mg/Kg-dry	1	12/12/14 06:29 PM
Naphthalene	ND	0.00582	0.0116		mg/Kg-dry	1	12/12/14 06:29 PM
Phenanthrene	0.713	0.00582	0.0116		mg/Kg-dry	1	12/12/14 06:29 PM
Pyrene	2.36	0.00582	0.0116		mg/Kg-dry	1	12/12/14 06:29 PM
Surr: 2-Fluorobiphenyl	50.7	0	43-125		%REC	1	12/12/14 06:29 PM
Surr: 4-Terphenyl-d14	93.6	0	32-125		%REC	1	12/12/14 06:29 PM
PERCENT MOISTURE		**D2216**					Analyst: **JL**
Percent Moisture	16.0	0	0		WT%	1	12/12/14 10:57 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *06-Jan-15*

CLIENT: Environeering Inc.
Project: Lake Charles
Project No:
Lab Order: 1412146

Client Sample ID: LNG-SB-110 (0-0.5)
Lab ID: 1412146-07
Collection Date: 12/10/14 12:30 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
PAHS: GC/MS		**SW8270D**					Analyst: **AS**
Acenaphthene	ND	0.00569	0.0114		mg/Kg-dry	1	12/12/14 02:21 PM
Acenaphthylene	ND	0.00569	0.0114		mg/Kg-dry	1	12/12/14 02:21 PM
Anthracene	ND	0.00569	0.0114		mg/Kg-dry	1	12/12/14 02:21 PM
Benzo[a]anthracene	0.115	0.00569	0.0114		mg/Kg-dry	1	12/12/14 02:21 PM
Benzo[a]pyrene	0.148	0.00569	0.0114		mg/Kg-dry	1	12/12/14 02:21 PM
Benzo[b]fluoranthene	0.174	0.00569	0.0114		mg/Kg-dry	1	12/12/14 02:21 PM
Benzo[g,h,i]perylene	0.155	0.00569	0.0114		mg/Kg-dry	1	12/12/14 02:21 PM
Benzo[k]fluoranthene	0.102	0.00569	0.0114		mg/Kg-dry	1	12/12/14 02:21 PM
Chrysene	0.127	0.00569	0.0114		mg/Kg-dry	1	12/12/14 02:21 PM
Dibenz[a,h]anthracene	0.0220	0.00569	0.0114		mg/Kg-dry	1	12/12/14 02:21 PM
Fluoranthene	0.132	0.00569	0.0114		mg/Kg-dry	1	12/12/14 02:21 PM
Fluorene	ND	0.00569	0.0114		mg/Kg-dry	1	12/12/14 02:21 PM
Indeno[1,2,3-cd]pyrene	0.148	0.00569	0.0114		mg/Kg-dry	1	12/12/14 02:21 PM
Naphthalene	ND	0.00569	0.0114		mg/Kg-dry	1	12/12/14 02:21 PM
Phenanthrene	0.0383	0.00569	0.0114		mg/Kg-dry	1	12/12/14 02:21 PM
Pyrene	0.116	0.00569	0.0114		mg/Kg-dry	1	12/12/14 02:21 PM
Surr: 2-Fluorobiphenyl	88.6	0	43-125		%REC	1	12/12/14 02:21 PM
Surr: 4-Terphenyl-d14	106	0	32-125		%REC	1	12/12/14 02:21 PM
PERCENT MOISTURE		**D2216**					Analyst: **JL**
Percent Moisture	14.6	0	0		WT%	1	12/12/14 10:57 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *06-Jan-15*

CLIENT: Environeering Inc.
Project: Lake Charles
Project No:
Lab Order: 1412146

Client Sample ID: LNG-SB-111 (0-0.5)
Lab ID: 1412146-10
Collection Date: 12/10/14 11:20 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
PAHS: GC/MS		**SW8270D**					Analyst: **AS**
Acenaphthene	0.0373	0.00556	0.0111		mg/Kg-dry	1	12/12/14 05:27 PM
Acenaphthylene	ND	0.00556	0.0111		mg/Kg-dry	1	12/12/14 05:27 PM
Anthracene	0.0790	0.00556	0.0111		mg/Kg-dry	1	12/12/14 05:27 PM
Benzo[a]anthracene	0.940	0.00556	0.0111		mg/Kg-dry	1	12/12/14 05:27 PM
Benzo[a]pyrene	1.37	0.00556	0.0111		mg/Kg-dry	1	12/12/14 05:27 PM
Benzo[b]fluoranthene	1.73	0.00556	0.0111		mg/Kg-dry	1	12/12/14 05:27 PM
Benzo[g,h,i]perylene	1.11	0.00556	0.0111		mg/Kg-dry	1	12/12/14 05:27 PM
Benzo[k]fluoranthene	0.722	0.00556	0.0111		mg/Kg-dry	1	12/12/14 05:27 PM
Chrysene	1.22	0.00556	0.0111		mg/Kg-dry	1	12/12/14 05:27 PM
Dibenz[a,h]anthracene	0.244	0.00556	0.0111		mg/Kg-dry	1	12/12/14 05:27 PM
Fluoranthene	1.16	0.00556	0.0111		mg/Kg-dry	1	12/12/14 05:27 PM
Fluorene	0.0163	0.00556	0.0111		mg/Kg-dry	1	12/12/14 05:27 PM
Indeno[1,2,3-cd]pyrene	1.14	0.00556	0.0111		mg/Kg-dry	1	12/12/14 05:27 PM
Naphthalene	ND	0.00556	0.0111		mg/Kg-dry	1	12/12/14 05:27 PM
Phenanthrene	0.354	0.00556	0.0111		mg/Kg-dry	1	12/12/14 05:27 PM
Pyrene	1.07	0.00556	0.0111		mg/Kg-dry	1	12/12/14 05:27 PM
Surr: 2-Fluorobiphenyl	78.3	0	43-125		%REC	1	12/12/14 05:27 PM
Surr: 4-Terphenyl-d14	95.9	0	32-125		%REC	1	12/12/14 05:27 PM
PERCENT MOISTURE		**D2216**					Analyst: **JL**
Percent Moisture	17.4	0	0		WT%	1	12/12/14 10:57 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *06-Jan-15*

CLIENT: Environeering Inc.
Project: Lake Charles
Project No:
Lab Order: 1412146

Client Sample ID: LNG-SB-113 (0-0.5)
Lab ID: 1412146-16
Collection Date: 12/10/14 11:05 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
PAHS: GC/MS		**SW8270D**					Analyst: **AS**
Acenaphthene	0.0454	0.00636	0.0127		mg/Kg-dry	1	12/12/14 05:58 PM
Acenaphthylene	ND	0.00636	0.0127		mg/Kg-dry	1	12/12/14 05:58 PM
Anthracene	0.0958	0.00636	0.0127		mg/Kg-dry	1	12/12/14 05:58 PM
Benzo[a]anthracene	1.27	0.00636	0.0127		mg/Kg-dry	1	12/12/14 05:58 PM
Benzo[a]pyrene	1.85	0.00636	0.0127		mg/Kg-dry	1	12/12/14 05:58 PM
Benzo[b]fluoranthene	2.19	0.00636	0.0127		mg/Kg-dry	1	12/12/14 05:58 PM
Benzo[g,h,i]perylene	1.44	0.00636	0.0127		mg/Kg-dry	1	12/12/14 05:58 PM
Benzo[k]fluoranthene	1.05	0.00636	0.0127		mg/Kg-dry	1	12/12/14 05:58 PM
Chrysene	1.53	0.00636	0.0127		mg/Kg-dry	1	12/12/14 05:58 PM
Dibenz[a,h]anthracene	0.319	0.00636	0.0127		mg/Kg-dry	1	12/12/14 05:58 PM
Fluoranthene	1.52	0.00636	0.0127		mg/Kg-dry	1	12/12/14 05:58 PM
Fluorene	0.0189	0.00636	0.0127		mg/Kg-dry	1	12/12/14 05:58 PM
Indeno[1,2,3-cd]pyrene	1.52	0.00636	0.0127		mg/Kg-dry	1	12/12/14 05:58 PM
Naphthalene	ND	0.00636	0.0127		mg/Kg-dry	1	12/12/14 05:58 PM
Phenanthrene	0.448	0.00636	0.0127		mg/Kg-dry	1	12/12/14 05:58 PM
Pyrene	1.45	0.00636	0.0127		mg/Kg-dry	1	12/12/14 05:58 PM
Surr: 2-Fluorobiphenyl	86.7	0	43-125		%REC	1	12/12/14 05:58 PM
Surr: 4-Terphenyl-d14	109	0	32-125		%REC	1	12/12/14 05:58 PM
PERCENT MOISTURE		**D2216**					Analyst: **JL**
Percent Moisture	21.9	0	0		WT%	1	12/12/14 10:57 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *06-Jan-15*

CLIENT: Environeering Inc.
Project: Lake Charles
Project No:
Lab Order: 1412146

Client Sample ID: LNG-SB-116 (0-0.5)
Lab ID: 1412146-25
Collection Date: 12/10/14 09:10 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
PAHS: GC/MS		**SW8270D**					Analyst: **AS**
Acenaphthene	0.0123	0.00547	0.0109		mg/Kg-dry	1	12/12/14 03:24 PM
Acenaphthylene	ND	0.00547	0.0109		mg/Kg-dry	1	12/12/14 03:24 PM
Anthracene	0.0243	0.00547	0.0109		mg/Kg-dry	1	12/12/14 03:24 PM
Benzo[a]anthracene	0.332	0.00547	0.0109		mg/Kg-dry	1	12/12/14 03:24 PM
Benzo[a]pyrene	0.464	0.00547	0.0109		mg/Kg-dry	1	12/12/14 03:24 PM
Benzo[b]fluoranthene	0.508	0.00547	0.0109		mg/Kg-dry	1	12/12/14 03:24 PM
Benzo[g,h,i]perylene	0.439	0.00547	0.0109		mg/Kg-dry	1	12/12/14 03:24 PM
Benzo[k]fluoranthene	0.336	0.00547	0.0109		mg/Kg-dry	1	12/12/14 03:24 PM
Chrysene	0.432	0.00547	0.0109		mg/Kg-dry	1	12/12/14 03:24 PM
Dibenz[a,h]anthracene	0.0898	0.00547	0.0109		mg/Kg-dry	1	12/12/14 03:24 PM
Fluoranthene	0.393	0.00547	0.0109		mg/Kg-dry	1	12/12/14 03:24 PM
Fluorene	ND	0.00547	0.0109		mg/Kg-dry	1	12/12/14 03:24 PM
Indeno[1,2,3-cd]pyrene	0.436	0.00547	0.0109		mg/Kg-dry	1	12/12/14 03:24 PM
Naphthalene	ND	0.00547	0.0109		mg/Kg-dry	1	12/12/14 03:24 PM
Phenanthrene	0.118	0.00547	0.0109		mg/Kg-dry	1	12/12/14 03:24 PM
Pyrene	0.384	0.00547	0.0109		mg/Kg-dry	1	12/12/14 03:24 PM
Surr: 2-Fluorobiphenyl	90.3	0	43-125		%REC	1	12/12/14 03:24 PM
Surr: 4-Terphenyl-d14	106	0	32-125		%REC	1	12/12/14 03:24 PM
PERCENT MOISTURE		**D2216**					Analyst: **JL**
Percent Moisture	14.8	0	0		WT%	1	12/12/14 10:57 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *06-Jan-15*

CLIENT: Environeering Inc.
Project: Lake Charles
Project No:
Lab Order: 1412146

Client Sample ID: LNG-SB-118 (0-0.5)
Lab ID: 1412146-31
Collection Date: 12/10/14 09:35 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
PAHS: GC/MS		**SW8270D**					Analyst: **AS**
Acenaphthene	ND	0.00615	0.0123		mg/Kg-dry	1	12/12/14 03:54 PM
Acenaphthylene	ND	0.00615	0.0123		mg/Kg-dry	1	12/12/14 03:54 PM
Anthracene	ND	0.00615	0.0123		mg/Kg-dry	1	12/12/14 03:54 PM
Benzo[a]anthracene	0.196	0.00615	0.0123		mg/Kg-dry	1	12/12/14 03:54 PM
Benzo[a]pyrene	0.273	0.00615	0.0123		mg/Kg-dry	1	12/12/14 03:54 PM
Benzo[b]fluoranthene	0.316	0.00615	0.0123		mg/Kg-dry	1	12/12/14 03:54 PM
Benzo[g,h,i]perylene	0.252	0.00615	0.0123		mg/Kg-dry	1	12/12/14 03:54 PM
Benzo[k]fluoranthene	0.193	0.00615	0.0123		mg/Kg-dry	1	12/12/14 03:54 PM
Chrysene	0.245	0.00615	0.0123		mg/Kg-dry	1	12/12/14 03:54 PM
Dibenz[a,h]anthracene	0.0529	0.00615	0.0123		mg/Kg-dry	1	12/12/14 03:54 PM
Fluoranthene	0.232	0.00615	0.0123		mg/Kg-dry	1	12/12/14 03:54 PM
Fluorene	ND	0.00615	0.0123		mg/Kg-dry	1	12/12/14 03:54 PM
Indeno[1,2,3-cd]pyrene	0.253	0.00615	0.0123		mg/Kg-dry	1	12/12/14 03:54 PM
Naphthalene	ND	0.00615	0.0123		mg/Kg-dry	1	12/12/14 03:54 PM
Phenanthrene	0.0642	0.00615	0.0123		mg/Kg-dry	1	12/12/14 03:54 PM
Pyrene	0.228	0.00615	0.0123		mg/Kg-dry	1	12/12/14 03:54 PM
Surr: 2-Fluorobiphenyl	77.6	0	43-125		%REC	1	12/12/14 03:54 PM
Surr: 4-Terphenyl-d14	86.7	0	32-125		%REC	1	12/12/14 03:54 PM
PERCENT MOISTURE		**D2216**					Analyst: **JL**
Percent Moisture	21.9	0	0		WT%	1	12/12/14 11:03 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *06-Jan-15*

CLIENT:	Environeering Inc.	**Client Sample ID:**	LNG-SB-119 (0-0.5)
Project:	Lake Charles	**Lab ID:**	1412146-34
Project No:		**Collection Date:**	12/10/14 09:45 AM
Lab Order:	1412146	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
PAHS: GC/MS		**SW8270D**					Analyst: **AS**
Acenaphthene	0.0152	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:25 PM
Acenaphthylene	ND	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:25 PM
Anthracene	0.0288	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:25 PM
Benzo[a]anthracene	0.332	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:25 PM
Benzo[a]pyrene	0.476	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:25 PM
Benzo[b]fluoranthene	0.611	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:25 PM
Benzo[g,h,i]perylene	0.447	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:25 PM
Benzo[k]fluoranthene	0.380	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:25 PM
Chrysene	0.535	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:25 PM
Dibenz[a,h]anthracene	0.0904	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:25 PM
Fluoranthene	0.393	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:25 PM
Fluorene	ND	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:25 PM
Indeno[1,2,3-cd]pyrene	0.438	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:25 PM
Naphthalene	ND	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:25 PM
Phenanthrene	0.121	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:25 PM
Pyrene	0.389	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:25 PM
Surr: 2-Fluorobiphenyl	85.2	0	43-125		%REC	1	12/12/14 04:25 PM
Surr: 4-Terphenyl-d14	94.6	0	32-125		%REC	1	12/12/14 04:25 PM
PERCENT MOISTURE		**D2216**					Analyst: **JL**
Percent Moisture	17.5	0	0		WT%	1	12/12/14 11:03 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *06-Jan-15*

CLIENT:	Environeering Inc.	**Client Sample ID:**	LNG-SB-121 (0-0.5)
Project:	Lake Charles	**Lab ID:**	1412146-40
Project No:		**Collection Date:**	12/10/14 10:10 AM
Lab Order:	1412146	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
PAHS: GC/MS		**SW8270D**					Analyst: **AS**
Acenaphthene	0.0186	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:56 PM
Acenaphthylene	ND	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:56 PM
Anthracene	0.0355	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:56 PM
Benzo[a]anthracene	0.444	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:56 PM
Benzo[a]pyrene	0.627	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:56 PM
Benzo[b]fluoranthene	0.693	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:56 PM
Benzo[g,h,i]perylene	0.539	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:56 PM
Benzo[k]fluoranthene	0.443	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:56 PM
Chrysene	0.577	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:56 PM
Dibenz[a,h]anthracene	0.123	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:56 PM
Fluoranthene	0.516	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:56 PM
Fluorene	ND	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:56 PM
Indeno[1,2,3-cd]pyrene	0.550	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:56 PM
Naphthalene	ND	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:56 PM
Phenanthrene	0.162	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:56 PM
Pyrene	0.510	0.00599	0.0120		mg/Kg-dry	1	12/12/14 04:56 PM
Surr: 2-Fluorobiphenyl	81.5	0	43-125		%REC	1	12/12/14 04:56 PM
Surr: 4-Terphenyl-d14	93.5	0	32-125		%REC	1	12/12/14 04:56 PM
PERCENT MOISTURE		**D2216**					Analyst: **JL**
Percent Moisture	19.5	0	0		WT%	1	12/12/14 11:03 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *06-Jan-15*

CLIENT: Environeering Inc.
Project: Lake Charles
Project No:
Lab Order: 1412146

Client Sample ID: LNG-SB-121 DUP (0-0.5)
Lab ID: 1412146-43
Collection Date: 12/10/14 10:10 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
PAHS: GC/MS		**SW8270D**					Analyst: **AS**
Acenaphthene	0.0124	0.00589	0.0118		mg/Kg-dry	1	12/12/14 02:52 PM
Acenaphthylene	ND	0.00589	0.0118		mg/Kg-dry	1	12/12/14 02:52 PM
Anthracene	0.0218	0.00589	0.0118		mg/Kg-dry	1	12/12/14 02:52 PM
Benzo[a]anthracene	0.273	0.00589	0.0118		mg/Kg-dry	1	12/12/14 02:52 PM
Benzo[a]pyrene	0.386	0.00589	0.0118		mg/Kg-dry	1	12/12/14 02:52 PM
Benzo[b]fluoranthene	0.461	0.00589	0.0118		mg/Kg-dry	1	12/12/14 02:52 PM
Benzo[g,h,i]perylene	0.376	0.00589	0.0118		mg/Kg-dry	1	12/12/14 02:52 PM
Benzo[k]fluoranthene	0.278	0.00589	0.0118		mg/Kg-dry	1	12/12/14 02:52 PM
Chrysene	0.380	0.00589	0.0118		mg/Kg-dry	1	12/12/14 02:52 PM
Dibenz[a,h]anthracene	0.0741	0.00589	0.0118		mg/Kg-dry	1	12/12/14 02:52 PM
Fluoranthene	0.326	0.00589	0.0118		mg/Kg-dry	1	12/12/14 02:52 PM
Fluorene	ND	0.00589	0.0118		mg/Kg-dry	1	12/12/14 02:52 PM
Indeno[1,2,3-cd]pyrene	0.363	0.00589	0.0118		mg/Kg-dry	1	12/12/14 02:52 PM
Naphthalene	ND	0.00589	0.0118		mg/Kg-dry	1	12/12/14 02:52 PM
Phenanthrene	0.100	0.00589	0.0118		mg/Kg-dry	1	12/12/14 02:52 PM
Pyrene	0.320	0.00589	0.0118		mg/Kg-dry	1	12/12/14 02:52 PM
Surr: 2-Fluorobiphenyl	92.0	0	43-125		%REC	1	12/12/14 02:52 PM
Surr: 4-Terphenyl-d14	106	0	32-125		%REC	1	12/12/14 02:52 PM
PERCENT MOISTURE		**D2216**					Analyst: **JL**
Percent Moisture	18.5	0	0		WT%	1	12/12/14 11:03 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *06-Jan-15*

CLIENT: Environeering Inc.
Project: Lake Charles
Project No:
Lab Order: 1412146

Client Sample ID: LNG-EQ BLANK 1
Lab ID: 1412146-49
Collection Date: 12/10/14 10:10 AM
Matrix: EQUIP BLANK

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
PAHS: GC/MS		**SW8270D**					Analyst: **AS**
Acenaphthene	ND	0.0000241	0.0000483		mg/L	1	12/12/14 05:02 PM
Acenaphthylene	ND	0.0000241	0.0000483		mg/L	1	12/12/14 05:02 PM
Anthracene	ND	0.0000241	0.0000483		mg/L	1	12/12/14 05:02 PM
Benzo[a]anthracene	ND	0.0000241	0.0000483		mg/L	1	12/12/14 05:02 PM
Benzo[a]pyrene	ND	0.0000241	0.0000483		mg/L	1	12/12/14 05:02 PM
Benzo[b]fluoranthene	ND	0.0000241	0.0000483		mg/L	1	12/12/14 05:02 PM
Benzo[g,h,i]perylene	ND	0.0000241	0.0000483		mg/L	1	12/12/14 05:02 PM
Benzo[k]fluoranthene	ND	0.0000241	0.0000483		mg/L	1	12/12/14 05:02 PM
Chrysene	ND	0.0000241	0.0000483		mg/L	1	12/12/14 05:02 PM
Dibenz[a,h]anthracene	ND	0.0000241	0.0000483		mg/L	1	12/12/14 05:02 PM
Fluoranthene	ND	0.0000241	0.0000483		mg/L	1	12/12/14 05:02 PM
Fluorene	ND	0.0000241	0.0000483		mg/L	1	12/12/14 05:02 PM
Indeno[1,2,3-cd]pyrene	ND	0.0000241	0.0000483		mg/L	1	12/12/14 05:02 PM
Naphthalene	ND	0.0000241	0.0000483		mg/L	1	12/12/14 05:02 PM
Phenanthrene	ND	0.0000241	0.0000483		mg/L	1	12/12/14 05:02 PM
Pyrene	ND	0.0000241	0.0000483		mg/L	1	12/12/14 05:02 PM
Surr: 2-Fluorobiphenyl	70.2	0	48-120		%REC	1	12/12/14 05:02 PM
Surr: 4-Terphenyl-d14	85.2	0	51-135		%REC	1	12/12/14 05:02 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *06-Jan-15*

CLIENT:	Environeering Inc.	**Client Sample ID:**	LNG-EQ BLANK 2
Project:	Lake Charles	**Lab ID:**	1412146-50
Project No:		**Collection Date:**	12/10/14 12:15 PM
Lab Order:	1412146	**Matrix:**	EQUIP BLANK

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
PAHS: GC/MS		**SW8270D**					Analyst: **AS**
Acenaphthene	ND	0.0000248	0.0000495		mg/L	1	12/12/14 05:46 PM
Acenaphthylene	ND	0.0000248	0.0000495		mg/L	1	12/12/14 05:46 PM
Anthracene	ND	0.0000248	0.0000495		mg/L	1	12/12/14 05:46 PM
Benzo[a]anthracene	ND	0.0000248	0.0000495		mg/L	1	12/12/14 05:46 PM
Benzo[a]pyrene	ND	0.0000248	0.0000495		mg/L	1	12/12/14 05:46 PM
Benzo[b]fluoranthene	ND	0.0000248	0.0000495		mg/L	1	12/12/14 05:46 PM
Benzo[g,h,i]perylene	ND	0.0000248	0.0000495		mg/L	1	12/12/14 05:46 PM
Benzo[k]fluoranthene	ND	0.0000248	0.0000495		mg/L	1	12/12/14 05:46 PM
Chrysene	ND	0.0000248	0.0000495		mg/L	1	12/12/14 05:46 PM
Dibenz[a,h]anthracene	ND	0.0000248	0.0000495		mg/L	1	12/12/14 05:46 PM
Fluoranthene	ND	0.0000248	0.0000495		mg/L	1	12/12/14 05:46 PM
Fluorene	ND	0.0000248	0.0000495		mg/L	1	12/12/14 05:46 PM
Indeno[1,2,3-cd]pyrene	ND	0.0000248	0.0000495		mg/L	1	12/12/14 05:46 PM
Naphthalene	ND	0.0000248	0.0000495		mg/L	1	12/12/14 05:46 PM
Phenanthrene	ND	0.0000248	0.0000495		mg/L	1	12/12/14 05:46 PM
Pyrene	ND	0.0000248	0.0000495		mg/L	1	12/12/14 05:46 PM
Surr: 2-Fluorobiphenyl	69.5	0	48-120		%REC	1	12/12/14 05:46 PM
Surr: 4-Terphenyl-d14	79.3	0	51-135		%REC	1	12/12/14 05:46 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		