

Detterman, Mark, Env. Health

From: Vialpando, Marcelino
Sent: Monday, April 16, 2018 10:33 AM
To: Detterman, Mark, Env. Health; 'stuart@phase-1environmental.com'
Cc: Yoo, James
Subject: FW: Geotechnical Logs
Attachments: 398850-00079583-SIGNED.PDF; 04217028 Boring Logs.pdf; 04217028 Boring Map-Landscape.pdf

Hello Gentlemen,
Attached are the boring logs as requested.

Marcelino Vialpando
PWA Tech I
Alameda County Public Works Agency
Water Resources Section
399 Elmhurst Street
Hayward, CA 94544
O: (510) 670-5760
marcelino@acpwa.org
www.acgov.org/pwa/wells

From: Heather Trop <HeatherTrop@krazan.com>
Sent: Monday, April 16, 2018 8:40 AM
To: Vialpando, Marcelino <Marcelino@acpwa.org>
Subject: RE: W2018-0006 105th Ave. & International Blvd.

Good morning,

Attached is the email sent back in February with the logs for the project on 105th and International in Oakland. Please let us know if you need any further information.

Thank you,

Heather

From: Dave Jarosz
Sent: Monday, April 16, 2018 8:36 AM
To: Heather Trop
Subject: FW: W2018-0006 105th Ave. & International Blvd.

From: Vialpando, Marcelino [<mailto:Marcelino@acpwa.org>]
Sent: Monday, April 16, 2018 8:30 AM
To: Dave Jarosz

Cc: Wayne Andrade; Wells

Subject: RE: W2018-0006 105th Ave. & International Blvd.

Hello Dave,

What is the status of the logs? I still have not received anything. Thank you.

Marcelino Vialpando

PWA Tech I

Alameda County Public Works Agency

Water Resources Section

399 Elmhurst Street

Hayward, CA 94544

O: (510) 670-5760

marcelino@acpwa.org

www.acgov.org/pwa/wells

From: Dave Jarosz <DaveJarosz@krazan.com>

Sent: Monday, March 26, 2018 11:17 AM

To: Vialpando, Marcelino <Marcelino@acpwa.org>

Cc: Wayne Andrade <WayneAndrade@krazan.com>; Wells <wells@acpwa.org>

Subject: RE: W2018-0006 105th Ave. & International Blvd.

Marcelino,

The report will be done this week. We will forward a copy of the logs once it is completed.

Thanks,

Dave

From: Vialpando, Marcelino [<mailto:Marcelino@acpwa.org>]

Sent: Monday, March 26, 2018 11:05 AM

To: Dave Jarosz

Cc: Wayne Andrade; Wells

Subject: W2018-0006 105th Ave. & International Blvd.

Hello Dave,

What is the status of the boring logs for the 6 borings performed on Thursday, January 11, 2018? Thank you.

Marcelino Vialpando

PWA Tech I

Alameda County Public Works Agency

Water Resources Section

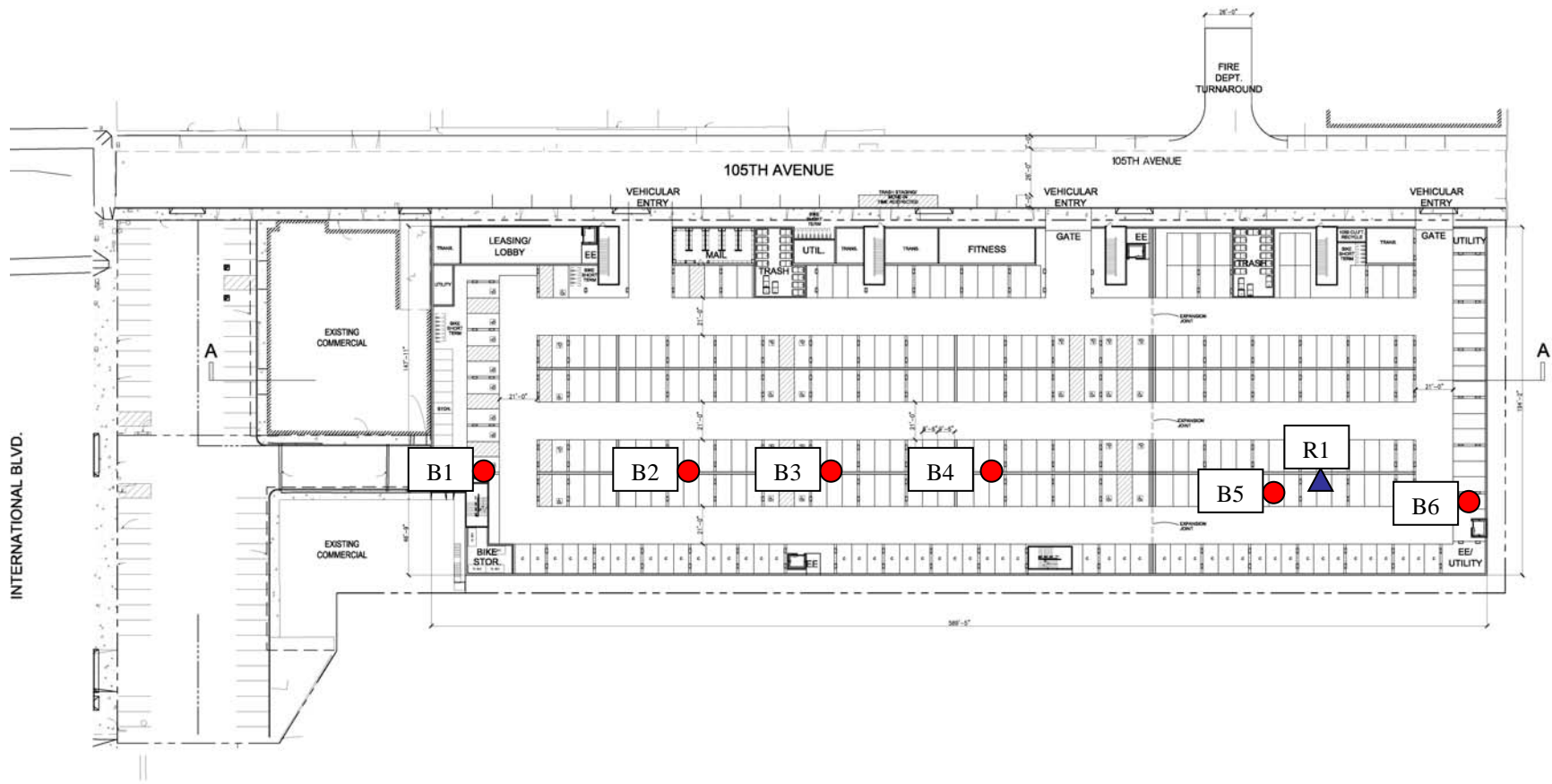
399 Elmhurst Street

Hayward, CA 94544

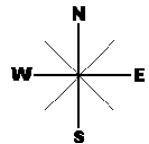
O: (510) 670-5760

marcelino@acpwa.org

www.acgov.org/pwa/wells



- APPROXIMATE BORING LOCATION
- ▲ APPROXIMATE R-VALUE LOCATION



SITE MAP	Scale: NTS	Date: February 2018	
Oakland International Seniors Project SEC 105 th Avenue and International Boulevard Oakland, California	Drawn by: HT	Approved by: DJ	
	Project No. 042-17028	Figure No. 1	

Log of Boring B1

Project: Oakland International Seniors Project

Project No: 042-17028

Client: Pacific West Communities, Inc.

Figure No.: A-1

Location: SEC 105th Avenue and International Boulevard, Oakland, CA

Logged By: Wayne Andrade

Depth to Water>

Initial: 19 Feet

At Completion: 17'2"

SUBSURFACE PROFILE			SAMPLE				Penetration Test blows/ft	Water Content (%)					
Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.		20	40	60	10	20	30
0		Ground Surface											
0		ASPHALTIC CONCRETE = 1 inch AGGREGATE BASE/SOIL mix = 8 inches											
2		CLAYEY SAND (SC) FILL, fine- to medium-grained; dark brown, moist, drills easily	92.0	23.5	■	7							■
4		SANDY CLAY (CL) Stiff; dark brown, moist, drills easily PID reading @ 2 ft = 0.2											
6		SILTY SAND (SM) Loose, fine- to coarse-grained; brown, moist, drills easily PID reading @ 5 ft = 0.3	104.3	18.8	■	7							■
8		SILTY CLAY (CL) Firm; dark brown, moist, drills easily Very stiff and olive-brown below 8 feet											
10		PID reading = 0.2	106.5	21.7	■	38							■
16		PID reading = 0.3	98.1	24.6	■	25							■
17		Stiff below 17 feet Saturated below 17½ feet											
20		PID reading = 0.2											

Drill Method: Hollow Stem

Drill Date: 1-10-18

Drill Rig: CME 45C-1

Krazan and Associates

Hole Size: 6½ Inches

Driller: Chris Wyneken

Elevation: 40 Feet

Sheet: 1 of 2

Log of Boring B1

Project: Oakland International Seniors Project

Project No: 042-17028

Client: Pacific West Communities, Inc.

Figure No.: A-1

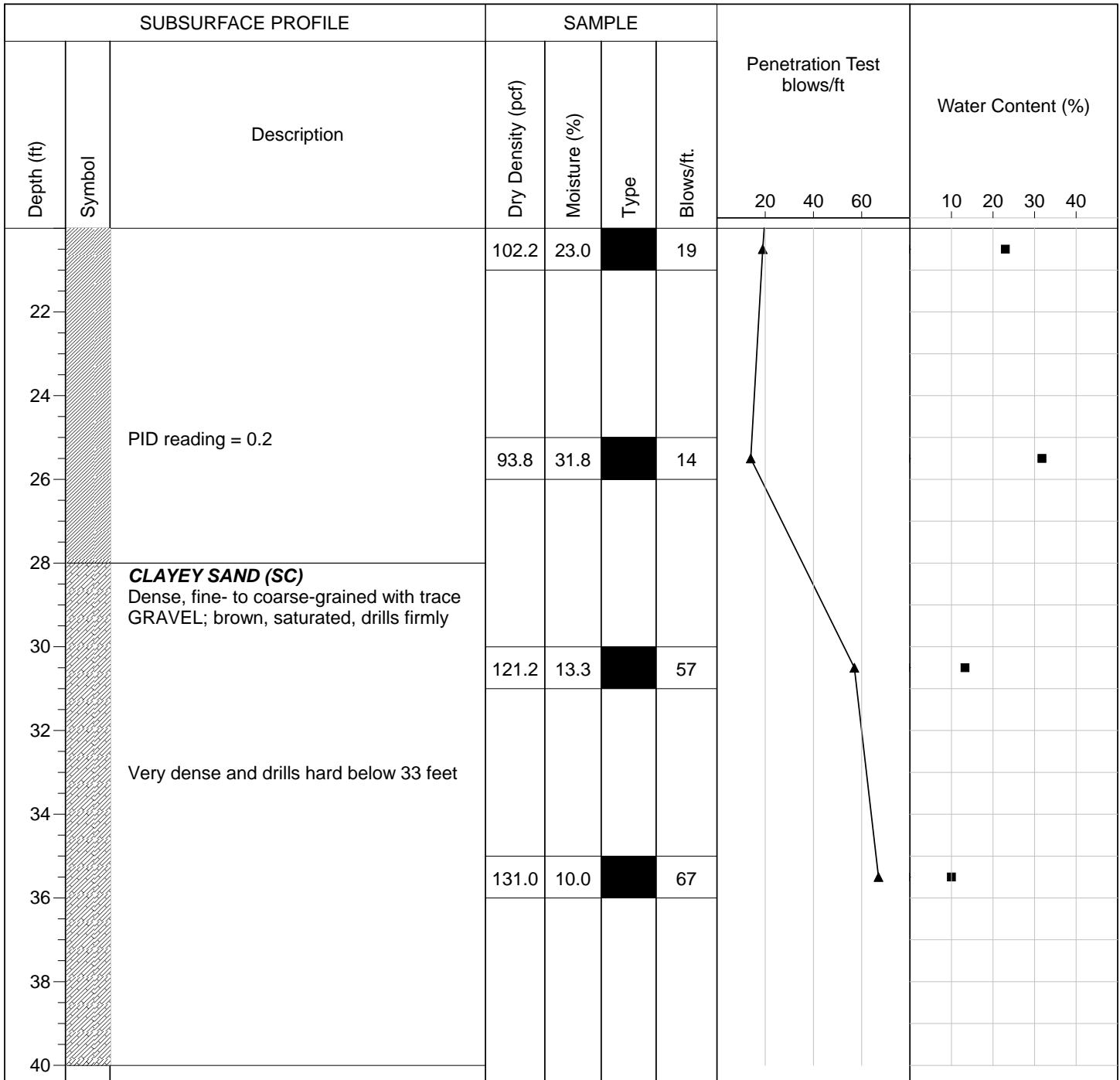
Location: SEC 105th Avenue and International Boulevard, Oakland, CA

Logged By: Wayne Andrade

Depth to Water >

Initial: 19 Feet

At Completion: 17'2"



Drill Method: Hollow Stem

Drill Date: 1-10-18

Drill Rig: CME 45C-1

Krazan and Associates

Hole Size: 6½ Inches

Driller: Chris Wyneken

Elevation: 40 Feet

Sheet: 2 of 2

Log of Boring B2

Project: Oakland International Seniors Project

Project No: 042-17028

Client: Pacific West Communities, Inc.

Figure No.: A-2

Location: SEC 105th Avenue and International Boulevard, Oakland, CA

Logged By: Wayne Andrade

Depth to Water>

Initial: 19 Feet

At Completion: 17'2"

SUBSURFACE PROFILE			SAMPLE				Penetration Test blows/ft	Water Content (%)						
Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.		20	40	60	10	20	30	40
0		Ground Surface												
0		ASPHALTIC CONCRETE = 2 inches AGGREGATE BASE/SOIL mix = 10 inches												
2		SILTY CLAY (CL) FILL; dark brown, moist, drills easily PID reading @ 2 ft = 0.2	93.9	20.1		10					■			
4		CLAYEY SAND (SC) FILL, fine- to coarse-grained with GRAVEL; brown, moist, drills easily PID reading @ 5 ft = 0.3	109.5	9.3		11					■			
6		SILTY CLAY (CL) Stiff; dark brown, moist, drills easily												
8		Light brown below 9 feet												
10		PID reading = 0.2	99.9	22.0		10					■			
12														
14		PID reading = 0.2	98.5	22.7		14					■			
16														
17.2		Saturated below 17'2"												
18														
20		PID reading = 0.2												

Drill Method: Hollow Stem

Drill Date: 1-10-18

Drill Rig: CME 45C-1

Krazan and Associates

Hole Size: 6½ Inches

Driller: Chris Wyneken

Elevation: 30 Feet

Sheet: 1 of 2

Log of Boring B2

Project: Oakland International Seniors Project

Project No: 042-17028

Client: Pacific West Communities, Inc.

Figure No.: A-2

Location: SEC 105th Avenue and International Boulevard, Oakland, CA

Logged By: Wayne Andrade

Depth to Water>

Initial: 19 Feet

At Completion: 17'2"

SUBSURFACE PROFILE			SAMPLE				Penetration Test blows/ft	Water Content (%)
Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.		
22	[Symbol]	PID reading = 0.2 CLAYEY SAND (SC) Medium dense, fine-grained; light brown, saturated, drills easily	100.4	23.0	[Symbol]	13		
26			GRAVELLY SILTY SAND (SM) Dense, fine- to coarse-grained; brown, saturated, drills firmly	101.7	20.3	[Symbol]		10
30		End of Borehole						

Drill Method: Hollow Stem

Drill Date: 1-10-18

Drill Rig: CME 45C-1

Krazan and Associates

Hole Size: 6½ Inches

Driller: Chris Wyneken

Elevation: 30 Feet

Sheet: 2 of 2

Log of Boring B3

Project: Oakland International Seniors Project

Project No: 042-17028

Client: Pacific West Communities, Inc.

Figure No.: A-3

Location: SEC 105th Avenue and International Boulevard, Oakland, CA

Logged By: Wayne Andrade

Depth to Water>

Initial: 20 Feet

At Completion: 17'8"

SUBSURFACE PROFILE			SAMPLE				Penetration Test blows/ft	Water Content (%)					
Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.		20	40	60	10	20	30
0		Ground Surface											
0		ASPHALTIC CONCRETE = 1½ inches AGGREGATE BASE/SOIL mix = 10 inches											
2		SILTY CLAYEY SAND (SC) FILL, fine-grained; dark brown, moist, drills easily PID reading @ 2 ft = 0.3	86.4	23.3		8							
4		SILTY SAND (SM) FILL, fine- to coarse-grained with interbeds of SANDY CLAY; brown, moist, drills easily PID reading @ 5 ft = 0.3											
6		SILTY CLAY (CL) Stiff; dark brown, moist, drills easily	95.8	23.8		11							
8		Very stiff and light brown below 9 feet											
10		PID reading = 0.2	101.5	21.1		20							
12		Stiff below 12 feet											
14		PID reading = 0.2											
16		PID reading = 0.2	96.7	23.5		9							
18		Saturated below 17'8"											
20		PID reading = 0.2											

Drill Method: Hollow Stem

Drill Date: 1-10-18

Drill Rig: CME 45C-1

Krazan and Associates

Hole Size: 6½ Inches

Driller: Chris Wyneken

Elevation: 30 Feet

Sheet: 1 of 2

Log of Boring B3

Project: Oakland International Seniors Project

Project No: 042-17028

Client: Pacific West Communities, Inc.

Figure No.: A-3

Location: SEC 105th Avenue and International Boulevard, Oakland, CA

Logged By: Wayne Andrade

Depth to Water>

Initial: 20 Feet

At Completion: 17'8"

SUBSURFACE PROFILE			SAMPLE				Penetration Test blows/ft	Water Content (%)	
Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.			
22		<p>CLAYEY SAND/SANDY CLAY (SC/CL) Medium dense, fine-grained; olive-brown, saturated, drills easily</p>	94.8	23.6	▲	13		■	
24									
26					100.7	23.2		▲	11
28		<p>SILTY SAND (SM) Dense, fine- to medium-grained with trace GRAVEL; brown, saturated, drills easily</p>							
30		End of Borehole							
32									
34									
36									
38									
40									

Drill Method: Hollow Stem

Drill Date: 1-10-18

Drill Rig: CME 45C-1

Krazan and Associates

Hole Size: 6½ Inches

Driller: Chris Wyneken

Elevation: 30 Feet

Sheet: 2 of 2

Log of Boring B4

Project: Oakland International Seniors Project

Project No: 042-17028

Client: Pacific West Communities, Inc.

Figure No.: A-4

Location: SEC 105th Avenue and International Boulevard, Oakland, CA

Logged By: Wayne Andrade

Depth to Water>

Initial: 19 Feet

At Completion: 17 Feet

SUBSURFACE PROFILE			SAMPLE				Penetration Test blows/ft	Water Content (%)						
Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.		20	40	60	10	20	30	40
0		Ground Surface												
0		ASPHALTIC CONCRETE = 1 inch AGGREGATE BASE/SOIL mix = 6 inches												
2		SILTY CLAY (CL) FILL, fine- to medium-grained with trace GRAVEL; dark brown, moist, drills easily PID reading @ 2 ft = 0.2	101.2	14.8		9								
4		SILTY CLAY (CL) Stiff; dark brown, moist, drills easily PID reading @ 5 ft = 0.2	99.5	25.5		12								
8		Very stiff and light brown below 8 feet												
10		PID reading = 0.3	107.4	19.3		24								
14		Stiff below 14 feet PID reading = 0.2	99.8	23.8		15								
16		Saturated below 17 feet												
18														
20		PID reading = 0.2												

Drill Method: Hollow Stem

Drill Date: 1-10-18

Drill Rig: CME 45C-1

Krazan and Associates

Hole Size: 6½ Inches

Driller: Chris Wyneken

Elevation: 40 Feet

Sheet: 1 of 2

Log of Boring B4

Project: Oakland International Seniors Project

Project No: 042-17028

Client: Pacific West Communities, Inc.

Figure No.: A-4

Location: SEC 105th Avenue and International Boulevard, Oakland, CA

Logged By: Wayne Andrade

Depth to Water>

Initial: 19 Feet

At Completion: 17 Feet

SUBSURFACE PROFILE			SAMPLE				Penetration Test blows/ft	Water Content (%)
Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.		
			98.3	29.0		15		
22		SILTY SAND/SANDY SILT (SM/ML) Loose, fine- to coarse-grained; brown, moist, drills easily						
24								
26			99.5	24.1		12		
28								
30		SILTY SAND (SM) Medium dense, fine-grained; light brown, saturated, drills easily						
32			106.0	20.7		23		
34								
36		SILTY CLAY (CL) Hard, fine- to coarse-grained with trace GRAVEL; brown, saturated, drills hard						
38			122.2	14.3		75		
40								

Drill Method: Hollow Stem

Drill Date: 1-10-18

Drill Rig: CME 45C-1

Krazan and Associates

Hole Size: 6½ Inches

Driller: Chris Wyneken

Elevation: 40 Feet

Sheet: 2 of 2

Log of Boring B5

Project: Oakland International Seniors Project

Project No: 042-17028

Client: Pacific West Communities, Inc.

Figure No.: A-5

Location: SEC 105th Avenue and International Boulevard, Oakland, CA

Logged By: Wayne Andrade

Depth to Water>

Initial: 19 Feet

At Completion: 17 Feet

SUBSURFACE PROFILE			SAMPLE				Penetration Test blows/ft	Water Content (%)						
Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.		20	40	60	10	20	30	40
0		Ground Surface												
0		ASPHALTIC CONCRETE = 1½ inches												
0		AGGREGATE BASE/SOIL mix = 8 inches												
2		SILTY CLAY (CL) FILL; brown, moist, drills easily	108.2	5.7		11								
4		GRAVELLY SILTY SAND (SM) FILL, fine- to coarse-grained; brown, moist, drills easily PID reading @ 2 ft = 0.2												
6		SILTY CLAY (CL) Very stiff; dark brown, moist, drills easily PID reading @ 5 ft = 0.2	104.3	23.5		22								
8		Light brown below 8 feet												
10		PID reading = 0.3	100.9	22.5		20								
12														
14		Firm below 13 feet												
16		PID reading = 0.2	90.8	25.0		5								
17		Saturated below 17 feet												
18														
19		Stiff below 19 feet												
20		PID reading = 0.2												

Drill Method: Hollow Stem

Drill Date: 1-11-18

Drill Rig: CME 45C-1

Krazan and Associates

Hole Size: 6½ Inches

Driller: Chris Wyneken

Elevation: 60 Feet

Sheet: 1 of 3

Log of Boring B5

Project: Oakland International Seniors Project

Project No: 042-17028

Client: Pacific West Communities, Inc.

Figure No.: A-5

Location: SEC 105th Avenue and International Boulevard, Oakland, CA

Logged By: Wayne Andrade

Depth to Water>

Initial: 19 Feet

At Completion: 17 Feet

SUBSURFACE PROFILE			SAMPLE				Penetration Test blows/ft	Water Content (%)	
Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.			
22		PID reading = 0.2	98.0	23.3	▲	7			
26			100.2	23.0	▲	9			
30			CLAYEY SAND (SC) Dense, fine- to coarse-grained with trace GRAVEL; brown, saturated, drills firmly PID reading @ 30 ft = 0.2	124.3	9.4	▲			39
36			SILTY SAND/CLAYEY SAND (SM/SC) Dense, fine- to coarse-grained with trace GRAVEL; brown, saturated, drills easily PID reading @ 35 ft = 0.2	127.7	7.6	▲			41
40		PID reading = 0.2			▲				

Drill Method: Hollow Stem

Drill Date: 1-11-18

Drill Rig: CME 45C-1

Krazan and Associates

Hole Size: 6½ Inches

Driller: Chris Wyneken

Elevation: 60 Feet

Sheet: 2 of 3

Log of Boring B5

Project: Oakland International Seniors Project

Project No: 042-17028

Client: Pacific West Communities, Inc.

Figure No.: A-5

Location: SEC 105th Avenue and International Boulevard, Oakland, CA

Logged By: Wayne Andrade

Depth to Water >

Initial: 19 Feet

At Completion: 17 Feet

SUBSURFACE PROFILE			SAMPLE				Penetration Test blows/ft	Water Content (%)
Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.		
42		With increased GRAVEL below 42 feet	126.2	9.9	▲	47	■	
44		Very dense below 44 feet PID reading = 0.2						
46		Dense below 48 feet	127.0	9.3	▲	60	■	
50		PID reading = 0.2						
52		SILTY CLAYEY SAND (SC) Dense, fine- to coarse-grained; brown, saturated, drills easily	124.7	9.6	▲	47	■	
54		PID reading = 0.2						
56			102.9	18.3	▲	32	■	
58								
60								

Drill Method: Hollow Stem

Drill Date: 1-11-18

Drill Rig: CME 45C-1

Krazan and Associates

Hole Size: 6½ Inches

Driller: Chris Wyneken

Elevation: 60 Feet

Sheet: 3 of 3

Log of Boring B6

Project: Oakland International Seniors Project

Project No: 042-17028

Client: Pacific West Communities, Inc.

Figure No.: A-6

Location: SEC 105th Avenue and International Boulevard, Oakland, CA

Logged By: Wayne Andrade

Depth to Water>

Initial: 18 Feet

At Completion: 16½ Feet

SUBSURFACE PROFILE			SAMPLE				Penetration Test blows/ft	Water Content (%)					
Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.		20	40	60	10	20	30
0		Ground Surface											
0		ASPHALTIC CONCRETE = 1½ inches AGGREGATE BASE/SOIL mix = 6 inches											
2		CLAYEY SAND (SC) FILL, fine-grained; dark brown, moist, drills easily	93.3	18.9		10							
4		SILTY CLAY (CL) Stiff; dark brown, moist, drills easily PID reading @ 2 ft = 0.2 Very stiff below 5 feet PID reading @ 5 ft = 0.3	108.6	18.6		20							
8		Very stiff and light brown below 8 feet											
10		PID reading = 0.2	107.4	19.8		35							
14		SANDY CLAYEY SILT (ML) Loose, fine-grained; dark brown, moist, drills easily PID reading @ 15 ft = 0.2 Saturated below 16½ feet	97.7	26.5		11							
18		▽											
20		PID reading = 0.2											

Drill Method: Hollow Stem

Drill Date: 1-10-18

Drill Rig: CME 45C-1

Krazan and Associates

Hole Size: 6½ Inches

Driller: Chris Wyneken

Elevation: 30 Feet

Sheet: 1 of 2

Log of Boring B6

Project: Oakland International Seniors Project

Project No: 042-17028

Client: Pacific West Communities, Inc.

Figure No.: A-6




Location: SEC 105th Avenue and International Boulevard, Oakland, CA

Logged By: Wayne Andrade

Depth to Water >

Initial: 18 Feet

At Completion: 16½ Feet

SUBSURFACE PROFILE			SAMPLE				Penetration Test blows/ft	Water Content (%)
Depth (ft)	Symbol	Description	Dry Density (pcf)	Moisture (%)	Type	Blows/ft.		
22		CLAYEY SAND (SC) Dense, fine- to coarse-grained with trace GRAVEL; brown, saturated, drills firmly PID reading @ 25 ft = 0.2	98.5	26.7		17		
26			121.7	13.6		53		
30		End of Borehole						

Drill Method: Hollow Stem

Drill Date: 1-10-18

Drill Rig: CME 45C-1

Krazan and Associates

Hole Size: 6½ Inches

Driller: Chris Wyneken

Elevation: 30 Feet

Sheet: 2 of 2



Enthalpy Analytical, LLC

931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com



Client: Krazan & Associates, Inc.
Address: 215 W. Dakota Avenue
Clovis, CA 93612

Lab Request: 398850
Report Date: 01/31/2018
Date Received: 01/24/2018
Client ID: 14212

Attn: Martin Groth

Comments: 04217028 - Oakland International Seniors Project

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample # **Client Sample ID**

398850-001 B1@5'
398850-002 B1@15'
398850-003 DCS-1
398850-004 DCS-2

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Diane Galvan, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.



Matrix: Solid

Client: Krazan & Associates, Inc.

Collector: Client

Sampled: 01/11/2018 09:30

Site:

Sample #: 398850-001

Client Sample #: B1@5'

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1187043	
Lead	8.90	1	1	mg/Kg	01/26/18	01/28/18	KLN
Method: EPA 8015M	Prep Method: EPA 3580A					QCBatchID: QC1187020	
TPH (C13 to C28)	ND	1	10	mg/Kg	01/24/18	01/25/18	LT
TPH (C29 to C40)	ND	1	20	mg/Kg	01/24/18	01/25/18	LT
TPH (C6 to C12)	ND	1	10	mg/Kg	01/24/18	01/25/18	LT
<u>Surrogate</u>	<u>% Recovery</u>		<u>Limits</u>	<u>Notes</u>			
<i>Triacontane (SUR)</i>	62		50-150				
Method: EPA 8260B <i>NELAC</i>	Prep Method: EPA 5030					QCBatchID: QC1186947	
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1-Dichloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1-Dichloroethene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1-Dichloropropene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2-Dibromoethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2-Dichloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2-Dichloropropane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,3-Dichloropropane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
2,2-Dichloropropane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
2-Butanone (MEK)	ND	1	100	ug/Kg	01/24/18	01/24/18	ZZ
2-Chloroethyl Vinyl Ether	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
2-Chlorotoluene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
4-Chlorotoluene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
4-Isopropyltoluene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
4-Methyl-2-pentanone (MIBK)	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Acetone	ND	1	100	ug/Kg	01/24/18	01/24/18	ZZ
Allyl Chloride	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Benzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Bromobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Bromochloromethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Bromodichloromethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Bromoform	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Bromomethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Carbon Tetrachloride	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Chlorobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Chlorodibromomethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Chloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Chloroform	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Chloromethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
cis-1,3-dichloropropene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ

Matrix: Solid

Client: Krazan & Associates, Inc.

Collector: Client

Sampled: 01/11/2018 09:30

Site:

Sample #: 398850-001

Client Sample #: B1@5'

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
cis-1,4-dichloro-2-butene	ND	1	5	ug/Kg		01/24/18	ZZ
Dibromomethane	ND	1	5	ug/Kg		01/24/18	ZZ
Dichlorodifluoromethane	ND	1	5	ug/Kg		01/24/18	ZZ
Di-isopropyl ether (DIPE)	ND	1	5	ug/Kg		01/24/18	ZZ
Ethylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
Ethyl-tertbutylether (ETBE)	ND	1	5	ug/Kg		01/24/18	ZZ
Hexachlorobutadiene	ND	1	5	ug/Kg		01/24/18	ZZ
Isopropylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
m and p-Xylene	ND	1	5	ug/Kg		01/24/18	ZZ
Methylene chloride	ND	1	5	ug/Kg		01/24/18	ZZ
Methyl-t-butyl Ether (MTBE)	ND	1	5	ug/Kg		01/24/18	ZZ
Naphthalene	ND	1	5	ug/Kg		01/24/18	ZZ
N-butylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
N-propylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
o-Xylene	ND	1	5	ug/Kg		01/24/18	ZZ
Sec-butylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
Styrene	ND	1	5	ug/Kg		01/24/18	ZZ
t-Butyl alcohol (TBA)	ND	1	10	ug/Kg		01/24/18	ZZ
Tert-amylmethylether (TAME)	ND	1	5	ug/Kg		01/24/18	ZZ
Tert-butylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
Tetrachloroethene	ND	1	5	ug/Kg		01/24/18	ZZ
Toluene	ND	1	5	ug/Kg		01/24/18	ZZ
trans-1,2-dichloroethene	ND	1	5	ug/Kg		01/24/18	ZZ
trans-1,3-dichloropropene	ND	1	5	ug/Kg		01/24/18	ZZ
trans-1,4-dichloro-2-butene	ND	1	5	ug/Kg		01/24/18	ZZ
Trichloroethene	ND	1	5	ug/Kg		01/24/18	ZZ
Trichlorofluoromethane	ND	1	5	ug/Kg		01/24/18	ZZ
Vinyl Chloride	ND	1	5	ug/Kg		01/24/18	ZZ
Xylenes (Total)	ND	1	5	ug/Kg		01/24/18	ZZ
<u>Surrogate</u>		<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>	
1,2-Dichloroethane-d4 (SUR)		103		70-145			
4-Bromofluorobenzene (SUR)		111		70-145			
Dibromofluoromethane (SUR)		91		70-145			
Toluene-d8 (SUR)		100		70-145			

Matrix: Solid

Client: Krazan & Associates, Inc.

Collector: Client

Sampled: 01/11/2018 09:30

Site:

Sample #: 398850-002

Client Sample #: B1@15'

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1187043	
Lead	10.9	1	1	mg/Kg	01/26/18	01/28/18	KLN
Method: EPA 8015M	Prep Method: EPA 3580A					QCBatchID: QC1187020	
TPH (C13 to C28)	ND	1	10	mg/Kg	01/24/18	01/25/18	LT
TPH (C29 to C40)	ND	1	20	mg/Kg	01/24/18	01/25/18	LT
TPH (C6 to C12)	ND	1	10	mg/Kg	01/24/18	01/25/18	LT
<u>Surrogate</u>	<u>% Recovery</u>		<u>Limits</u>				<u>Notes</u>
<i>Triacontane (SUR)</i>	61		50-150				
Method: EPA 8260B <i>NELAC</i>	Prep Method: EPA 5030					QCBatchID: QC1186947	
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1-Dichloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1-Dichloroethene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1-Dichloropropene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2-Dibromoethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2-Dichloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2-Dichloropropane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,3-Dichloropropane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
2,2-Dichloropropane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
2-Butanone (MEK)	ND	1	100	ug/Kg	01/24/18	01/24/18	ZZ
2-Chloroethyl Vinyl Ether	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
2-Chlorotoluene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
4-Chlorotoluene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
4-Isopropyltoluene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
4-Methyl-2-pentanone (MIBK)	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Acetone	ND	1	100	ug/Kg	01/24/18	01/24/18	ZZ
Allyl Chloride	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Benzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Bromobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Bromochloromethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Bromodichloromethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Bromoform	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Bromomethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Carbon Tetrachloride	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Chlorobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Chlorodibromomethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Chloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Chloroform	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Chloromethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
cis-1,3-dichloropropene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ

Matrix: Solid

Client: Krazan & Associates, Inc.

Collector: Client

Sampled: 01/11/2018 09:30

Site:

Sample #: 398850-002

Client Sample #: B1@15'

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
cis-1,4-dichloro-2-butene	ND	1	5	ug/Kg		01/24/18	ZZ
Dibromomethane	ND	1	5	ug/Kg		01/24/18	ZZ
Dichlorodifluoromethane	ND	1	5	ug/Kg		01/24/18	ZZ
Di-isopropyl ether (DIPE)	ND	1	5	ug/Kg		01/24/18	ZZ
Ethylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
Ethyl-tertbutylether (ETBE)	ND	1	5	ug/Kg		01/24/18	ZZ
Hexachlorobutadiene	ND	1	5	ug/Kg		01/24/18	ZZ
Isopropylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
m and p-Xylene	ND	1	5	ug/Kg		01/24/18	ZZ
Methylene chloride	ND	1	5	ug/Kg		01/24/18	ZZ
Methyl-t-butyl Ether (MTBE)	ND	1	5	ug/Kg		01/24/18	ZZ
Naphthalene	ND	1	5	ug/Kg		01/24/18	ZZ
N-butylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
N-propylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
o-Xylene	ND	1	5	ug/Kg		01/24/18	ZZ
Sec-butylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
Styrene	ND	1	5	ug/Kg		01/24/18	ZZ
t-Butyl alcohol (TBA)	ND	1	10	ug/Kg		01/24/18	ZZ
Tert-amylmethylether (TAME)	ND	1	5	ug/Kg		01/24/18	ZZ
Tert-butylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
Tetrachloroethene	ND	1	5	ug/Kg		01/24/18	ZZ
Toluene	ND	1	5	ug/Kg		01/24/18	ZZ
trans-1,2-dichloroethene	ND	1	5	ug/Kg		01/24/18	ZZ
trans-1,3-dichloropropene	ND	1	5	ug/Kg		01/24/18	ZZ
trans-1,4-dichloro-2-butene	ND	1	5	ug/Kg		01/24/18	ZZ
Trichloroethene	ND	1	5	ug/Kg		01/24/18	ZZ
Trichlorofluoromethane	ND	1	5	ug/Kg		01/24/18	ZZ
Vinyl Chloride	ND	1	5	ug/Kg		01/24/18	ZZ
Xylenes (Total)	ND	1	5	ug/Kg		01/24/18	ZZ
<u>Surrogate</u>		<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>	
1,2-Dichloroethane-d4 (SUR)		112		70-145			
4-Bromofluorobenzene (SUR)		109		70-145			
Dibromofluoromethane (SUR)		97		70-145			
Toluene-d8 (SUR)		97		70-145			

Matrix: Solid

Client: Krazan & Associates, Inc.

Collector: Client

Sampled: 01/11/2018 15:15

Site:

Sample #: 398850-003

Client Sample #: DCS-1

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1187043	
Lead	7.77	1	1	mg/Kg	01/26/18	01/28/18	KLN
Method: EPA 8015M	Prep Method: EPA 3580A					QCBatchID: QC1187020	
TPH (C13 to C28)	ND	1	10	mg/Kg	01/24/18	01/25/18	LT
TPH (C29 to C40)	ND	1	20	mg/Kg	01/24/18	01/25/18	LT
TPH (C6 to C12)	ND	1	10	mg/Kg	01/24/18	01/25/18	LT
<u>Surrogate</u>	<u>% Recovery</u>		<u>Limits</u>			<u>Notes</u>	
<i>Triacontane (SUR)</i>	65		50-150				
Method: EPA 8260B <i>NELAC</i>	Prep Method: EPA 5030					QCBatchID: QC1186947	
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	01/24/18		ZZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	01/24/18		ZZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	01/24/18		ZZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	01/24/18		ZZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	01/24/18		ZZ
1,1-Dichloroethane	ND	1	5	ug/Kg	01/24/18		ZZ
1,1-Dichloroethene	ND	1	5	ug/Kg	01/24/18		ZZ
1,1-Dichloropropene	ND	1	5	ug/Kg	01/24/18		ZZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	01/24/18		ZZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	01/24/18		ZZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	01/24/18		ZZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	01/24/18		ZZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	01/24/18		ZZ
1,2-Dibromoethane	ND	1	5	ug/Kg	01/24/18		ZZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	01/24/18		ZZ
1,2-Dichloroethane	ND	1	5	ug/Kg	01/24/18		ZZ
1,2-Dichloropropane	ND	1	5	ug/Kg	01/24/18		ZZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	01/24/18		ZZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	01/24/18		ZZ
1,3-Dichloropropane	ND	1	5	ug/Kg	01/24/18		ZZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	01/24/18		ZZ
2,2-Dichloropropane	ND	1	5	ug/Kg	01/24/18		ZZ
2-Butanone (MEK)	ND	1	100	ug/Kg	01/24/18		ZZ
2-Chloroethyl Vinyl Ether	ND	1	5	ug/Kg	01/24/18		ZZ
2-Chlorotoluene	ND	1	5	ug/Kg	01/24/18		ZZ
4-Chlorotoluene	ND	1	5	ug/Kg	01/24/18		ZZ
4-Isopropyltoluene	ND	1	5	ug/Kg	01/24/18		ZZ
4-Methyl-2-pentanone (MIBK)	ND	1	5	ug/Kg	01/24/18		ZZ
Acetone	ND	1	100	ug/Kg	01/24/18		ZZ
Allyl Chloride	ND	1	5	ug/Kg	01/24/18		ZZ
Benzene	ND	1	5	ug/Kg	01/24/18		ZZ
Bromobenzene	ND	1	5	ug/Kg	01/24/18		ZZ
Bromochloromethane	ND	1	5	ug/Kg	01/24/18		ZZ
Bromodichloromethane	ND	1	5	ug/Kg	01/24/18		ZZ
Bromoform	ND	1	5	ug/Kg	01/24/18		ZZ
Bromomethane	ND	1	5	ug/Kg	01/24/18		ZZ
Carbon Tetrachloride	ND	1	5	ug/Kg	01/24/18		ZZ
Chlorobenzene	ND	1	5	ug/Kg	01/24/18		ZZ
Chlorodibromomethane	ND	1	5	ug/Kg	01/24/18		ZZ
Chloroethane	ND	1	5	ug/Kg	01/24/18		ZZ
Chloroform	ND	1	5	ug/Kg	01/24/18		ZZ
Chloromethane	ND	1	5	ug/Kg	01/24/18		ZZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	01/24/18		ZZ
cis-1,3-dichloropropene	ND	1	5	ug/Kg	01/24/18		ZZ

Matrix: Solid

Client: Krazan & Associates, Inc.

Collector: Client

Sampled: 01/11/2018 15:15

Site:

Sample #: 398850-003

Client Sample #: DCS-1

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
cis-1,4-dichloro-2-butene	ND	1	5	ug/Kg		01/24/18	ZZ
Dibromomethane	ND	1	5	ug/Kg		01/24/18	ZZ
Dichlorodifluoromethane	ND	1	5	ug/Kg		01/24/18	ZZ
Di-isopropyl ether (DIPE)	ND	1	5	ug/Kg		01/24/18	ZZ
Ethylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
Ethyl-tertbutylether (ETBE)	ND	1	5	ug/Kg		01/24/18	ZZ
Hexachlorobutadiene	ND	1	5	ug/Kg		01/24/18	ZZ
Isopropylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
m and p-Xylene	ND	1	5	ug/Kg		01/24/18	ZZ
Methylene chloride	ND	1	5	ug/Kg		01/24/18	ZZ
Methyl-t-butyl Ether (MTBE)	ND	1	5	ug/Kg		01/24/18	ZZ
Naphthalene	ND	1	5	ug/Kg		01/24/18	ZZ
N-butylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
N-propylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
o-Xylene	ND	1	5	ug/Kg		01/24/18	ZZ
Sec-butylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
Styrene	ND	1	5	ug/Kg		01/24/18	ZZ
t-Butyl alcohol (TBA)	ND	1	10	ug/Kg		01/24/18	ZZ
Tert-amylmethylether (TAME)	ND	1	5	ug/Kg		01/24/18	ZZ
Tert-butylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
Tetrachloroethene	ND	1	5	ug/Kg		01/24/18	ZZ
Toluene	ND	1	5	ug/Kg		01/24/18	ZZ
trans-1,2-dichloroethene	ND	1	5	ug/Kg		01/24/18	ZZ
trans-1,3-dichloropropene	ND	1	5	ug/Kg		01/24/18	ZZ
trans-1,4-dichloro-2-butene	ND	1	5	ug/Kg		01/24/18	ZZ
Trichloroethene	ND	1	5	ug/Kg		01/24/18	ZZ
Trichlorofluoromethane	ND	1	5	ug/Kg		01/24/18	ZZ
Vinyl Chloride	ND	1	5	ug/Kg		01/24/18	ZZ
Xylenes (Total)	ND	1	5	ug/Kg		01/24/18	ZZ
<u>Surrogate</u>		<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>	
1,2-Dichloroethane-d4 (SUR)		118		70-145			
4-Bromofluorobenzene (SUR)		105		70-145			
Dibromofluoromethane (SUR)		100		70-145			
Toluene-d8 (SUR)		94		70-145			

Matrix: Solid

Client: Krazan & Associates, Inc.

Collector: Client

Sampled: 01/11/2018 15:00

Site:

Sample #: 398850-004

Client Sample #: DCS-2

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
Method: EPA 6010B <i>NELAC</i>	Prep Method: EPA 3050B					QCBatchID: QC1187043	
Lead	8.98	1	1	mg/Kg	01/26/18	01/28/18	KLN
Method: EPA 8015M	Prep Method: EPA 3580A					QCBatchID: QC1187020	
TPH (C13 to C28)	ND	1	10	mg/Kg	01/24/18	01/25/18	LT
TPH (C29 to C40)	ND	1	20	mg/Kg	01/24/18	01/25/18	LT
TPH (C6 to C12)	ND	1	10	mg/Kg	01/24/18	01/25/18	LT
<u>Surrogate</u>	<u>% Recovery</u>		<u>Limits</u>				<u>Notes</u>
<i>Triacontane (SUR)</i>	80		50-150				
Method: EPA 8260B <i>NELAC</i>	Prep Method: EPA 5030					QCBatchID: QC1186947	
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1-Dichloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1-Dichloroethene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,1-Dichloropropene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2-Dibromoethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2-Dichloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,2-Dichloropropane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,3-Dichloropropane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
2,2-Dichloropropane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
2-Butanone (MEK)	ND	1	100	ug/Kg	01/24/18	01/24/18	ZZ
2-Chloroethyl Vinyl Ether	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
2-Chlorotoluene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
4-Chlorotoluene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
4-Isopropyltoluene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
4-Methyl-2-pentanone (MIBK)	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Acetone	ND	1	100	ug/Kg	01/24/18	01/24/18	ZZ
Allyl Chloride	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Benzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Bromobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Bromochloromethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Bromodichloromethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Bromoform	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Bromomethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Carbon Tetrachloride	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Chlorobenzene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Chlorodibromomethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Chloroethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Chloroform	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
Chloromethane	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ
cis-1,3-dichloropropene	ND	1	5	ug/Kg	01/24/18	01/24/18	ZZ

Matrix: Solid

Client: Krazan & Associates, Inc.

Collector: Client

Sampled: 01/11/2018 15:00

Site:

Sample #: 398850-004

Client Sample #: DCS-2

Sample Type:

Analyte	Result	DF	RDL	Units	Prepared	Analyzed By	Notes
cis-1,4-dichloro-2-butene	ND	1	5	ug/Kg		01/24/18	ZZ
Dibromomethane	ND	1	5	ug/Kg		01/24/18	ZZ
Dichlorodifluoromethane	ND	1	5	ug/Kg		01/24/18	ZZ
Di-isopropyl ether (DIPE)	ND	1	5	ug/Kg		01/24/18	ZZ
Ethylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
Ethyl-tertbutylether (ETBE)	ND	1	5	ug/Kg		01/24/18	ZZ
Hexachlorobutadiene	ND	1	5	ug/Kg		01/24/18	ZZ
Isopropylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
m and p-Xylene	ND	1	5	ug/Kg		01/24/18	ZZ
Methylene chloride	ND	1	5	ug/Kg		01/24/18	ZZ
Methyl-t-butyl Ether (MTBE)	ND	1	5	ug/Kg		01/24/18	ZZ
Naphthalene	ND	1	5	ug/Kg		01/24/18	ZZ
N-butylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
N-propylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
o-Xylene	ND	1	5	ug/Kg		01/24/18	ZZ
Sec-butylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
Styrene	ND	1	5	ug/Kg		01/24/18	ZZ
t-Butyl alcohol (TBA)	ND	1	10	ug/Kg		01/24/18	ZZ
Tert-amylmethylether (TAME)	ND	1	5	ug/Kg		01/24/18	ZZ
Tert-butylbenzene	ND	1	5	ug/Kg		01/24/18	ZZ
Tetrachloroethene	ND	1	5	ug/Kg		01/24/18	ZZ
Toluene	ND	1	5	ug/Kg		01/24/18	ZZ
trans-1,2-dichloroethene	ND	1	5	ug/Kg		01/24/18	ZZ
trans-1,3-dichloropropene	ND	1	5	ug/Kg		01/24/18	ZZ
trans-1,4-dichloro-2-butene	ND	1	5	ug/Kg		01/24/18	ZZ
Trichloroethene	ND	1	5	ug/Kg		01/24/18	ZZ
Trichlorofluoromethane	ND	1	5	ug/Kg		01/24/18	ZZ
Vinyl Chloride	ND	1	5	ug/Kg		01/24/18	ZZ
Xylenes (Total)	ND	1	5	ug/Kg		01/24/18	ZZ
<u>Surrogate</u>		<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>	
1,2-Dichloroethane-d4 (SUR)		117		70-145			
4-Bromofluorobenzene (SUR)		108		70-145			
Dibromofluoromethane (SUR)		99		70-145			
Toluene-d8 (SUR)		95		70-145			

QCBatchID: **QC1186947**

Analyst: nicollez

Method: EPA 8260B

Matrix: Solid

Analyzed: 01/24/2018

Instrument: VOA-MS (group)

Blank Summary

Analyte	Blank Result	Units	RDL	Notes
QC1186947MB1				
1,1,1,2-Tetrachloroethane	ND	ug/Kg	5	
1,1,1-Trichloroethane	ND	ug/Kg	5	
1,1,1,2-Tetrachloroethane	ND	ug/Kg	5	
1,1,2-Trichloroethane	ND	ug/Kg	5	
1,1,2-Trichlorotrifluoroethane	ND	ug/Kg	5	
1,1-Dichloroethane	ND	ug/Kg	5	
1,1-Dichloroethene	ND	ug/Kg	5	
1,1-Dichloropropene	ND	ug/Kg	5	
1,2,3-Trichlorobenzene	ND	ug/Kg	5	
1,2,3-Trichloropropane	ND	ug/Kg	5	
1,2,4-Trichlorobenzene	ND	ug/Kg	5	
1,2,4-Trimethylbenzene	ND	ug/Kg	5	
1,2-Dibromo-3-chloropropane	ND	ug/Kg	5	
1,2-Dibromoethane	ND	ug/Kg	5	
1,2-Dichlorobenzene	ND	ug/Kg	5	
1,2-Dichloroethane	ND	ug/Kg	5	
1,2-Dichloropropane	ND	ug/Kg	5	
1,3,5-Trimethylbenzene	ND	ug/Kg	5	
1,3-Dichlorobenzene	ND	ug/Kg	5	
1,3-Dichloropropane	ND	ug/Kg	5	
1,4-Dichlorobenzene	ND	ug/Kg	5	
2,2-Dichloropropane	ND	ug/Kg	5	
2-Butanone (MEK)	ND	ug/Kg	100	
2-Chloroethyl Vinyl Ether	ND	ug/Kg	5	
2-Chlorotoluene	ND	ug/Kg	5	
4-Chlorotoluene	ND	ug/Kg	5	
4-Isopropyltoluene	ND	ug/Kg	5	
4-Methyl-2-pentanone (MIBK)	ND	ug/Kg	5	
Acetone	ND	ug/Kg	100	
Allyl Chloride	ND	ug/Kg	5	
Benzene	ND	ug/Kg	5	
Bromobenzene	ND	ug/Kg	5	
Bromochloromethane	ND	ug/Kg	5	
Bromodichloromethane	ND	ug/Kg	5	
Bromoform	ND	ug/Kg	5	
Bromomethane	ND	ug/Kg	5	
Carbon Tetrachloride	ND	ug/Kg	5	
Chlorobenzene	ND	ug/Kg	5	
Chlorodibromomethane	ND	ug/Kg	5	
Chloroethane	ND	ug/Kg	5	
Chloroform	ND	ug/Kg	5	
Chloromethane	ND	ug/Kg	5	
cis-1,2-Dichloroethene	ND	ug/Kg	5	
cis-1,3-dichloropropene	ND	ug/Kg	5	
cis-1,4-dichloro-2-butene	ND	ug/Kg	5	
Dibromomethane	ND	ug/Kg	5	
Dichlorodifluoromethane	ND	ug/Kg	5	
Di-isopropyl ether (DIPE)	ND	ug/Kg	5	
Ethylbenzene	ND	ug/Kg	5	
Ethyl-terbutylether (ETBE)	ND	ug/Kg	5	
Hexachlorobutadiene	ND	ug/Kg	5	

QCBatchID: **QC1186947**

Analyst: nicollez

Method: EPA 8260B

Matrix: Solid

Analyzed: 01/24/2018

Instrument: VOA-MS (group)

Analyte	Blank Result	Units	RDL	Notes
QC1186947MB1				
Isopropylbenzene	ND	ug/Kg	5	
m and p-Xylene	ND	ug/Kg	5	
Methylene chloride	ND	ug/Kg	5	
Methyl-t-butyl Ether (MTBE)	ND	ug/Kg	5	
Naphthalene	ND	ug/Kg	5	
N-butylbenzene	ND	ug/Kg	5	
N-propylbenzene	ND	ug/Kg	5	
o-Xylene	ND	ug/Kg	5	
Sec-butylbenzene	ND	ug/Kg	5	
Styrene	ND	ug/Kg	5	
t-Butyl alcohol (TBA)	ND	ug/Kg	10	
Tert-amylmethylether (TAME)	ND	ug/Kg	5	
Tert-butylbenzene	ND	ug/Kg	5	
Tetrachloroethene	ND	ug/Kg	5	
Toluene	ND	ug/Kg	5	
trans-1,2-dichloroethene	ND	ug/Kg	5	
trans-1,3-dichloropropene	ND	ug/Kg	5	
trans-1,4-dichloro-2-butene	ND	ug/Kg	5	
Trichloroethene	ND	ug/Kg	5	
Trichlorofluoromethane	ND	ug/Kg	5	
Vinyl Chloride	ND	ug/Kg	5	
Xylenes (Total)	ND	ug/Kg	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries			Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD	RPD	%Rec	RPD	
QC1186947LCS1, QC1186947LCSD1											
1,1-Dichloroethene	50	50	48	47	ug/Kg	96	94	2	59-172	22	
Benzene	50	50	46	46	ug/Kg	92	92	0	62-137	24	
Chlorobenzene	50	50	46	45	ug/Kg	92	90	2	60-133	24	
Methyl-t-butyl Ether (MTBE)	50	50	45	45	ug/Kg	90	90	0	62-137	21	
Toluene	50	50	45	45	ug/Kg	90	90	0	59-139	21	
Trichloroethene	50	50	47	46	ug/Kg	94	92	2	66-142	21	

QCBatchID: <u>QC1187020</u>	Analyst: lytagas	Method: EPA 8015M
Matrix: Solid	Analyzed: 01/25/2018	Instrument: SVOA-GC (group)

Blank Summary

Analyte	Blank Result	Units	RDL	Notes
QC1187020MB1				
TPH (C10 to C28)	ND	mg/Kg	10	
TPH (C13 to C28)	ND	mg/Kg	10	
TPH (C28 to C40)	ND	mg/Kg	20	
TPH (C29 to C40)	ND	mg/Kg	20	
TPH (C6 to C12)	ND	mg/Kg	10	
TPH (C8 to C10)	ND	mg/Kg	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries			Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD	RPD	%Rec	RPD	
QC1187020LCS1											
TPH (C10 to C28)	250		280		mg/Kg	112			70-130		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries			Limits		Notes
		MS	MSD	MS	MSD		MS	MSD	RPD	%Rec	RPD	
QC1187020MS1, QC1187020MSD1												
TPH (C10 to C28)	ND	250	250	240	250	mg/Kg	96	100	4.1	70-130	20	Source: 398850-001

QCBatchID: <u>QC1187043</u>	Analyst: dswafford	Method: EPA 6010B
Matrix: Solid	Analyzed: 01/26/2018	Instrument: AAICP (group)

Blank Summary

Analyte	Blank Result	Units	RDL	Notes
QC1187043MB1				
Arsenic	ND	mg/Kg	1	
Lead	ND	mg/Kg	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries			Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD	RPD	%Rec	RPD	
QC1187043LCS1											
Arsenic	100		98.4		mg/Kg	98			80-120		
Lead	100		102		mg/Kg	102			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries			Limits		Notes
		MS	MSD	MS	MSD		MS	MSD	RPD	%Rec	RPD	
QC1187043MS1, QC1187043MSD1												
Source: 398873-001												
Arsenic	7.88	100	100	102	98.2	mg/Kg	94	90	3.8	75-125	20	
Lead	37.0	100	100	121	125	mg/Kg	84	88	3.3	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

Krazan & Associates, Inc.

215 W. Dakota Avenue, Clovis, CA 93612, (559) 348-2200, FAX (559) 348-2190

CHAIN-OF-CUSTODY RECORD 318850

DATE: 1.23.18 Lab ID:

Client:		Krazan & Associates, Inc.		REQUESTED ANALYSIS																
Address:		215 West Dakota Avenue Clovis, CA 93612																		
Sampled By:		Martin Groth																		
Phone:		(559) 348-2200																		
FAX:		(559) 348-2190																		
Project Manager:		Martin Groth																		
Project Job:		04217028 - Oakland International Seniors Project																		
Client Sample ID	Sample Date	Sample Time	Sample Matrix	Container #	Container Type	TEST RESULTS														
						TPH-cc by 8015B	VOCs inc. oxygenates by 8260B	Lead by 6010B												
1 B1@5'	1.11.18	9:30	Soil	1	SL	X	X	X												
2 B1@15'	1.11.18	9:30	Soil	1	SL	X	X	X												
3 DCS-1	1.11.18	3:15	Soil	1	SL	X	X	X												
4 DCS-2	1.11.18	3:00	Soil	1	SL	X	X	X												
5																				
6																				
7																				
8																				
9																				
10																				
Correct Containers:		Yes	No																	
Sample Temperature:		Ambient	Cold																	
Sample Preservative:		Yes	No																	
Turnaround Time:		Normal	Specify:																	
Comments:				PLEASE RETURN ICE CHEST & ICE PACKS																
				RELINQUISHED BY					RECEIVED BY											
				Signature: Wayne Andrade					Signature: Martin Groth					Signature: Martin Groth						
				Print: Wayne Andrade					Print: Martin Groth					Print: Martin Groth						
				Company: Krazan					Company: Krazan					Company: Krazan						
				Date: 1/23/18 Time: 16:55					Date: 1/23/18 Time: 16:55					Date: 1/23/18 Time: 4:15						
				Signature: Martin Groth					Signature: Martin Groth					Signature: E.A.						
				Print: Martin Groth					Print: Martin Groth					Print: E.A.						
				Company: Krazan					Company: Krazan					Company: E.A.						
				Date: 1/23/18 Time: 3:12					Date: 1/23/18 Time: 3:12					Date: 1/24/18 Time: 13:50						
				Signature: Martin Groth					Signature: Martin Groth					Signature: Martin Groth						
				Print: Martin Groth					Print: Martin Groth					Print: Martin Groth						
				Company: Krazan					Company: Krazan					Company: Krazan						
				Date: 1/23/18 Time: 3:12					Date: 1/23/18 Time: 3:12					Date: 1/24/18 Time: 13:50						

4.9 7.5



ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Krazan

Project: _____

Date Received: 01/24/18

Sampler's Name Present: Yes No

Section 2

Sample(s) received in a cooler? Yes, How many? 1 No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.9 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: Ice Ice Packs Bubble Wrap Styrofoam
 Paper None Other _____

Cooler Temp (°C): #1: 2.5 #2: _____ #3: _____ #4: _____

Section 4

	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? Verbal PM Initials: _____ Date/Time _____
 Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: [Signature] Date: 1/24/18

FedEx® US Airbill
Express

847010669890

0200

FedEx Retrieval Copy

1 From

Date 1/23/18 Sender's FedEx Account Number 1287-5263-2

Sender's Name Marky Groth Phone 979 989-2200

Company Praxair & Associates

Address 215 W. Dakota Ave

City Clovis State CA ZIP 93612

Dept/Floor/Suite/Room

2 Your Internal Billing Reference

3 To

Recipient's Name CA EDI/alphanalyticalinc.

Company CA EDI/alphanalyticalinc.

Recipient's Address 131 W. Berkeley Ave

Dept/Floor/Suite/Room

Address Orange

City Orange State CA ZIP 92668



8470 1066 9890

4a Express Package Service
 FedEx Priority Overnight
 FedEx Standard Overnight
 FedEx First Overnight

4b Express Freight Service
 FedEx 1Day Freight
 FedEx 2Day Freight
 FedEx 3Day Freight

5 Packaging
 FedEx Envelope
 FedEx Pak
 FedEx Box
 Other

6 Special Handling
 Saturday Delivery
 Hold Weekday at FedEx Location
 Hold Saturday at FedEx Location

7 Payment
 Bill To
 Recipient
 Third Party
 Credit Card
 Cash/Check

8 Sign to Authorize Delivery Without a Signature

Total Packages 1
Total Weight 5.15
Total Charges Cash/Check

467