

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/05/13
DATE REPORTED: 09/09/13

SAMPLE I.D.: HP-1B@5.0'

LAB I.D.: 130830-48

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	1.73	0.001	500
4,4'-DDT	ND	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

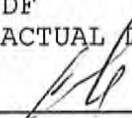
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

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SAMPLE I.D.: HP-2A@1.0'

LAB I.D.: 130830-49

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	250
alpha-BHC	ND	0.001	250
beta-BHC	ND	0.001	250
gamma-BHC (Lindane)	ND	0.001	250
delta-BHC	ND	0.001	250
alpha-Chlordane	ND	0.001	250
gamma-Chlordane	ND	0.001	250
Total Chlordane (Technical)	ND	0.005	250
4,4'-DDD	ND	0.001	250
4,4'-DDE	0.485	0.001	250
4,4'-DDT	ND	0.001	250
Dieldrin	ND	0.001	250
Endosulfan I	ND	0.001	250
Endosulfan II	ND	0.001	250
Endosulfan Sulfate	ND	0.001	250
Endrin	ND	0.001	250
Endrin Aldehyde	ND	0.001	250
Endrin Ketone	ND	0.001	250
Heptachlor Epoxide	ND	0.001	250
Heptachlor	ND	0.001	250
Methoxychlor	ND	0.001	250
Toxaphene	ND	0.020	250

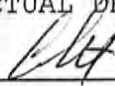
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SAMPLE I.D.: HP-2A@3.0'

LAB I.D.: 130830-50

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	2.51	0.001	500
4,4'-DDT	ND	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

COMMENTS:

DF = DILUTION FACTOR

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SAMPLE I.D.: HP-2A@5.0'

LAB I.D.: 130830-51

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	1.15	0.001	500
4,4'-DDT	ND	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

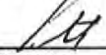
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SAMPLE I.D.: HP-2B@1.0'

LAB I.D.: 130830-52

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	10
alpha-BHC	ND	0.001	10
beta-BHC	ND	0.001	10
gamma-BHC (Lindane)	ND	0.001	10
delta-BHC	ND	0.001	10
alpha-Chlordane	ND	0.001	10
gamma-Chlordane	ND	0.001	10
Total Chlordane (Technical)	ND	0.005	10
4,4'-DDD	ND	0.001	10
4,4'-DDE	0.068	0.001	10
4,4'-DDT	ND	0.001	10
Dieldrin	ND	0.001	10
Endosulfan I	ND	0.001	10
Endosulfan II	ND	0.001	10
Endosulfan Sulfate	ND	0.001	10
Endrin	ND	0.001	10
Endrin Aldehyde	ND	0.001	10
Endrin Ketone	ND	0.001	10
Heptachlor Epoxide	ND	0.001	10
Heptachlor	ND	0.001	10
Methoxychlor	ND	0.001	10
Toxaphene	ND	0.020	10

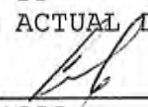
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SAMPLE I.D.: HP-2B@3.0'

LAB I.D.: 130830-53

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	1.21	0.001	500
4,4'-DDT	ND	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

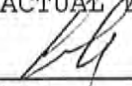
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SAMPLE I.D.: HP-2B@5.0'

LAB I.D.: 130830-54

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	1.09	0.001	500
4,4'-DDT	ND	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

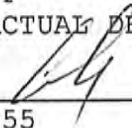
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SAMPLE I.D.: HP-3A@1.0'

LAB I.D.: 130830-55

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	250
alpha-BHC	ND	0.001	250
beta-BHC	ND	0.001	250
gamma-BHC (Lindane)	ND	0.001	250
delta-BHC	ND	0.001	250
alpha-Chlordane	ND	0.001	250
gamma-Chlordane	ND	0.001	250
Total Chlordane (Technical)	ND	0.005	250
4,4'-DDD	ND	0.001	250
4,4'-DDE	0.300	0.001	250
4,4'-DDT	ND	0.001	250
Dieldrin	ND	0.001	250
Endosulfan I	ND	0.001	250
Endosulfan II	ND	0.001	250
Endosulfan Sulfate	ND	0.001	250
Endrin	ND	0.001	250
Endrin Aldehyde	ND	0.001	250
Endrin Ketone	ND	0.001	250
Heptachlor Epoxide	ND	0.001	250
Heptachlor	ND	0.001	250
Methoxychlor	ND	0.001	250
Toxaphene	ND	0.020	250

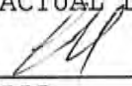
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SAMPLE I.D.: HP-3A@3.0'

LAB I.D.: 130830-56

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	1.33	0.001	500
4,4'-DDT	ND	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

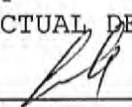
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SAMPLE I.D.: **HP-3A@5.0'**

LAB I.D.: **130830-57**

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	0.815	0.001	500
4,4'-DDT	ND	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

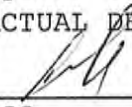
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SAMPLE I.D.: HP-3B@1.0'

LAB I.D.: 130830-58

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	1.26	0.001	500
4,4'-DDT	ND	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

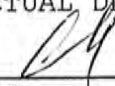
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DATE REPORTED: 09/09/13

SAMPLE I.D.: HP-3B@3.0'

LAB I.D.: 130830-59

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	25
alpha-BHC	ND	0.001	25
beta-BHC	ND	0.001	25
gamma-BHC (Lindane)	ND	0.001	25
delta-BHC	ND	0.001	25
alpha-Chlordane	ND	0.001	25
gamma-Chlordane	ND	0.001	25
Total Chlordane (Technical)	ND	0.005	25
4,4'-DDD	ND	0.001	25
4,4'-DDE	0.148	0.001	25
4,4'-DDT	ND	0.001	25
Dieldrin	ND	0.001	25
Endosulfan I	ND	0.001	25
Endosulfan II	ND	0.001	25
Endosulfan Sulfate	ND	0.001	25
Endrin	ND	0.001	25
Endrin Aldehyde	ND	0.001	25
Endrin Ketone	ND	0.001	25
Heptachlor Epoxide	ND	0.001	25
Heptachlor	ND	0.001	25
Methoxychlor	ND	0.001	25
Toxaphene	ND	0.020	25

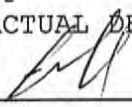
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/04/13
DATE REPORTED: 09/09/13

SAMPLE I.D.: HP-3B@5.0'

LAB I.D.: 130830-60

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	0.905	0.001	500
4,4'-DDT	ND	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

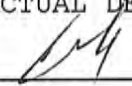
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: **Petra Geotechnical Inc.**
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: **12-355**
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/05/13
DATE REPORTED: 09/09/13

SAMPLE I.D.: **HP-8A@1.0'**

LAB I.D.: 130830-67

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	3.35	0.001	500
4,4'-DDT	ND	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

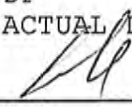
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951) 600-9271 Fax(951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/05/13
DATE REPORTED: 09/09/13

SAMPLE I.D.: HP-8A@3.0'

LAB I.D.: 130830-68

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	25
alpha-BHC	ND	0.001	25
beta-BHC	ND	0.001	25
gamma-BHC (Lindane)	ND	0.001	25
delta-BHC	ND	0.001	25
alpha-Chlordane	ND	0.001	25
gamma-Chlordane	ND	0.001	25
Total Chlordane (Technical)	ND	0.005	25
4,4'-DDD	ND	0.001	25
4,4'-DDE	0.041	0.001	25
4,4'-DDT	ND	0.001	25
Dieldrin	ND	0.001	25
Endosulfan I	ND	0.001	25
Endosulfan II	ND	0.001	25
Endosulfan Sulfate	ND	0.001	25
Endrin	ND	0.001	25
Endrin Aldehyde	ND	0.001	25
Endrin Ketone	ND	0.001	25
Heptachlor Epoxide	ND	0.001	25
Heptachlor	ND	0.001	25
Methoxychlor	ND	0.001	25
Toxaphene	ND	0.020	25

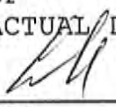
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/05/13
DATE REPORTED: 09/09/13

SAMPLE I.D.: HP-8A@5.0'

LAB I.D.: 130830-69

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	25
alpha-BHC	ND	0.001	25
beta-BHC	ND	0.001	25
gamma-BHC (Lindane)	ND	0.001	25
delta-BHC	ND	0.001	25
alpha-Chlordane	ND	0.001	25
gamma-Chlordane	ND	0.001	25
Total Chlordane (Technical)	ND	0.005	25
4,4'-DDD	ND	0.001	25
4,4'-DDE	0.103	0.001	25
4,4'-DDT	ND	0.001	25
Dieldrin	ND	0.001	25
Endosulfan I	ND	0.001	25
Endosulfan II	ND	0.001	25
Endosulfan Sulfate	ND	0.001	25
Endrin	ND	0.001	25
Endrin Aldehyde	ND	0.001	25
Endrin Ketone	ND	0.001	25
Heptachlor Epoxide	ND	0.001	25
Heptachlor	ND	0.001	25
Methoxychlor	ND	0.001	25
Toxaphene	ND	0.020	25

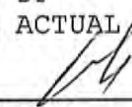
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/06/13
DATE REPORTED: 09/09/13

SAMPLE I.D.: HP-9A@1.0'

LAB I.D.: 130830-70

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	2500
alpha-BHC	ND	0.001	2500
beta-BHC	ND	0.001	2500
gamma-BHC (Lindane)	ND	0.001	2500
delta-BHC	ND	0.001	2500
alpha-Chlordane	ND	0.001	2500
gamma-Chlordane	ND	0.001	2500
Total Chlordane (Technical)	ND	0.005	2500
4,4'-DDD	ND	0.001	2500
4,4'-DDE	8.95	0.001	2500
4,4'-DDT	2.93	0.001	2500
Dieldrin	ND	0.001	2500
Endosulfan I	ND	0.001	2500
Endosulfan II	ND	0.001	2500
Endosulfan Sulfate	ND	0.001	2500
Endrin	ND	0.001	2500
Endrin Aldehyde	ND	0.001	2500
Endrin Ketone	ND	0.001	2500
Heptachlor Epoxide	ND	0.001	2500
Heptachlor	ND	0.001	2500
Methoxychlor	ND	0.001	2500
Toxaphene	ND	0.020	2500

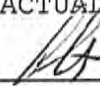
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/05/13
DATE REPORTED: 09/09/13

SAMPLE I.D.: HP-9A@3.0'

LAB I.D.: 130830-71

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	2.68	0.001	500
4,4'-DDT	ND	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

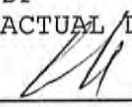
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/05/13
DATE REPORTED: 09/09/13

SAMPLE I.D.: HP-9A@5.0'

LAB I.D.: 130830-72

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	5
alpha-BHC	ND	0.001	5
beta-BHC	ND	0.001	5
gamma-BHC (Lindane)	ND	0.001	5
delta-BHC	ND	0.001	5
alpha-Chlordane	ND	0.001	5
gamma-Chlordane	ND	0.001	5
Total Chlordane (Technical)	ND	0.005	5
4,4'-DDD	ND	0.001	5
4,4'-DDE	0.021	0.001	5
4,4'-DDT	ND	0.001	5
Dieldrin	ND	0.001	5
Endosulfan I	ND	0.001	5
Endosulfan II	ND	0.001	5
Endosulfan Sulfate	ND	0.001	5
Endrin	ND	0.001	5
Endrin Aldehyde	ND	0.001	5
Endrin Ketone	ND	0.001	5
Heptachlor Epoxide	ND	0.001	5
Heptachlor	ND	0.001	5
Methoxychlor	ND	0.001	5
Toxaphene	ND	0.020	5

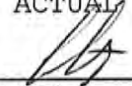
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/05/13
DATE REPORTED: 09/09/13

SAMPLE I.D.: HP-10A@1.0'

LAB I.D.: 130830-73

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	1.15	0.001	500
4,4'-DDT	ND	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

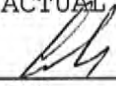
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/05/13
DATE REPORTED: 09/09/13

SAMPLE I.D.: HP-10A@3.0'

LAB I.D.: 130830-74

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	25
alpha-BHC	ND	0.001	25
beta-BHC	ND	0.001	25
gamma-BHC (Lindane)	ND	0.001	25
delta-BHC	ND	0.001	25
alpha-Chlordane	ND	0.001	25
gamma-Chlordane	ND	0.001	25
Total Chlordane (Technical)	ND	0.005	25
4,4'-DDD	ND	0.001	25
4,4'-DDE	0.027	0.001	25
4,4'-DDT	ND	0.001	25
Dieldrin	ND	0.001	25
Endosulfan I	ND	0.001	25
Endosulfan II	ND	0.001	25
Endosulfan Sulfate	ND	0.001	25
Endrin	ND	0.001	25
Endrin Aldehyde	ND	0.001	25
Endrin Ketone	ND	0.001	25
Heptachlor Epoxide	ND	0.001	25
Heptachlor	ND	0.001	25
Methoxychlor	ND	0.001	25
Toxaphene	ND	0.020	25

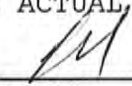
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/04/13
DATE REPORTED: 09/09/13

SAMPLE I.D.: HP-10A@5.0'

LAB I.D.: 130830-75

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	0.002	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxychlor	ND	0.001	1
Toxaphene	ND	0.020	1

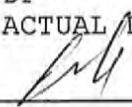
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/05/13
DATE REPORTED: 09/09/13

SAMPLE I.D.: HP-18@1.0'

LAB I.D.: 130830-88

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	0.680	0.001	500
4,4'-DDT	ND	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

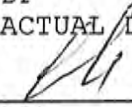
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/05/13
DATE REPORTED: 09/09/13

SAMPLE I.D.: HP-18@3.0'

LAB I.D.: 130830-89

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	3.75	0.001	500
4,4'-DDT	ND	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/05/13
DATE REPORTED: 09/09/13

SAMPLE I.D.: HP-18@5.0'

LAB I.D.: 130830-90

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	1.64	0.001	500
4,4'-DDT	ND	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

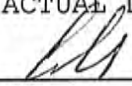
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/04/13
DATE REPORTED: 09/09/13

SAMPLE I.D.: HP-18A@1.0'

LAB I.D.: 130830-61

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	0.515	0.001	500
4,4'-DDT	ND	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

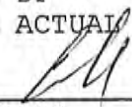
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/04/13
DATE REPORTED: 09/09/13

SAMPLE I.D.: HP-18A@3.0'

LAB I.D.: 130830-62

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	1.61	0.001	500
4,4'-DDT	ND	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

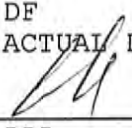
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/05/13
DATE REPORTED: 09/09/13

SAMPLE I.D.: HP-18A@5.0'

LAB I.D.: 130830-63

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	2.53	0.001	500
4,4'-DDT	ND	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

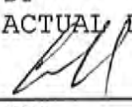
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/06/13
DATE REPORTED: 09/09/13

SAMPLE I.D.: HP-18B@1.0'

LAB I.D.: 130830-64

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	250
alpha-BHC	ND	0.001	250
beta-BHC	ND	0.001	250
gamma-BHC (Lindane)	ND	0.001	250
delta-BHC	ND	0.001	250
alpha-Chlordane	ND	0.001	250
gamma-Chlordane	ND	0.001	250
Total Chlordane (Technical)	ND	0.005	250
4,4'-DDD	ND	0.001	250
4,4'-DDE	0.793	0.001	250
4,4'-DDT	ND	0.001	250
Dieldrin	ND	0.001	250
Endosulfan I	ND	0.001	250
Endosulfan II	ND	0.001	250
Endosulfan Sulfate	ND	0.001	250
Endrin	ND	0.001	250
Endrin Aldehyde	ND	0.001	250
Endrin Ketone	ND	0.001	250
Heptachlor Epoxide	ND	0.001	250
Heptachlor	ND	0.001	250
Methoxychlor	ND	0.001	250
Toxaphene	ND	0.020	250

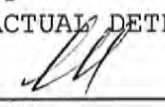
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/05/13
DATE REPORTED: 09/09/13

SAMPLE I.D.: HP-18B@3.0'

LAB I.D.: 130830-65

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	3.17	0.001	500
4,4'-DDT	ND	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: **Petra Geotechnical Inc.**
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: **12-355**
MATRIX: **SOIL**
DATE SAMPLED: **08/30/13**
REPORT TO: **MR. JON CAIN**

DATE RECEIVED: **08/30/13**
DATE EXTRACTED: **09/03/13**
DATE ANALYZED: **09/05/13**
DATE REPORTED: **09/09/13**

SAMPLE I.D.: **HP-18B@5.0'**

LAB I.D.: **130830-66**

Organochlorine Pesticides Analysis

Method: **EPA 8081A**

Unit: **mg/Kg = Milligram Per Kilogram = PPM**

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	1.33	0.001	500
4,4'-DDT	ND	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

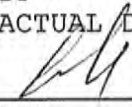
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

METHOD BLANK REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/05/13
DATE REPORTED: 09/09/13

METHOD BLANK FOR LAB I.D.: 130830-46 THROUGH -50, -55, -64, -70

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxychlor	ND	0.001	1
Toxaphene	ND	0.020	1

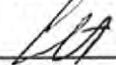
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766

Tel (909)590-5905 Fax (909)590-5907

EPA 8081 QA/QC Report

Matrix: **Soil/Solid/Liquid(Oil)**Date Analyzed: **9/5-6/2013**Unit: **mg/Kg (ppm)****Matrix Spike (MS)/Matrix Spike Duplicate (MSD)****Spiked Sample Lab I.D.:** **130904-25 MS/MSD**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Gamma-BHC	0.000	0.00500	0.00727	145%	0.00641	128%	13%	0-20%	70-130
Aldrin	0.000	0.00500	0.00651	130%	0.00619	124%	5%	0-20%	70-130
4,4-DDE	0.000	0.00500	0.00421	84%	0.00408	82%	3%	0-20%	70-130

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Gamma-BHC	0.00500	0.00456	91%	75-125
Aldrin	0.00500	0.00565	113%	75-125
4,4-DDE	0.00500	0.00493	99%	75-125
Dieldrin	0.00500	0.00408	82%	75-125

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	130830-46	130830-48	130830-49	130830-50	130830-55	130830-47
Tetra-chloro-meta-xylene	50-150	129%	100%	100%	101%	100%	106%	132%
Decachlorobiphenyl	50-150	61%	47*%	47*%	48*%	48*%	48*%	58%

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		130830-64	130830-70					
Tetra-chloro-meta-xylene	50-150	102%	107%					
Decachlorobiphenyl	50-150	44*%	50%					

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.								
Tetra-chloro-meta-xylene	50-150							
Decachlorobiphenyl	50-150							

S.R. = Sample Result

* = Surrogate fail due to matrix interference (If Marked)

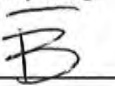
spk conc = Spike Concentration

Note: LCS, MS, MSD are in control therefore results are in control.

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: Final Reviewer: 

METHOD BLANK REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/04/13
DATE REPORTED: 09/09/13

METHOD BLANK FOR LAB I.D.:
130830-51 THROUGH -54, -56, -57, -58, -60, -61, -62, -75

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxychlor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766

Tel (909)590-5905 Fax (909)590-5907

EPA 8081 QA/QC Report

Matrix: **Soil/Solid/Liquid(Oil)**Date Analyzed: **9/4/2013**Unit: **mg/Kg (ppm)****Matrix Spike (MS)/Matrix Spike Duplicate (MSD)****Spiked Sample Lab I.D.:** **130904-LCS1/2**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Gamma-BHC	0.000	0.00500	0.00524	105%	0.00534	107%	2%	0-20%	70-130
Aldrin	0.000	0.00500	0.00542	108%	0.00513	103%	5%	0-20%	70-130
4,4-DDE	0.000	0.00500	0.00435	87%	0.00434	87%	0%	0-20%	70-130

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Gamma-BHC	0.00500	0.00552	110%	75-125
Aldrin	0.00500	0.00489	98%	75-125
4,4-DDE	0.00500	0.00405	81%	75-125
Dieldrin	0.00500	0.00398	80%	75-125

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	130830-51	130830-52	130830-53	130830-54	130830-56	130830-57
Tetra-chloro-meta-xylene	50-150	134%	106%	99%	103%	111%	117%	119%
Decachlorobiphenyl	50-150	89%	44*%	90%	50%	51%	48*%	49*%

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		130830-58	130830-60	130830-61	130830-62	130830-75		
Tetra-chloro-meta-xylene	50-150	121%	111%	109%	102%	104%		
Decachlorobiphenyl	50-150	45*%	44*%	41%	39%	65%		

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.								
Tetra-chloro-meta-xylene	50-150							
Decachlorobiphenyl	50-150							

S.R. = Sample Result

* = Surrogate fail due to matrix interference (If Marked)

spk conc = Spike Concentration

Note: LCS, MS, MSD are in control therefore results are in control.

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: Final Reviewer: 

METHOD BLANK REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 09/03/13
DATE ANALYZED: 09/05/13
DATE REPORTED: 09/09/13

METHOD BLANK FOR LAB I.D.: 130830-43, -44, -45,
-59, -63, -65 THROUGH -69, -71 THROUGH -74, -88, -89, -90

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxychlor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766

Tel (909)590-5905 Fax (909)590-5907

EPA 8081 QA/QC Report

Matrix: **Soil/Solid/Liquid(Oil)**Date Analyzed: **9/5/2013**Unit: **mg/Kg (ppm)****Matrix Spike (MS)/Matrix Spike Duplicate (MSD)****Spiked Sample Lab I.D.:** **130905-LCS1/2**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Gamma-BHC	0.000	0.00500	0.00426	85%	0.00427	85%	0%	0-20%	70-130
Aldrin	0.000	0.00500	0.00478	96%	0.00477	95%	0%	0-20%	70-130
4,4-DDE	0.000	0.00500	0.00413	83%	0.00439	88%	6%	0-20%	70-130

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Gamma-BHC	0.00500	0.00433	87%	75-125
Aldrin	0.00500	0.00482	96%	75-125
4,4-DDE	0.00500	0.00425	85%	75-125
Dieldrin	0.00500	0.00502	100%	75-125

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	130830-59	130830-63	130830-65	130830-66	130830-67	130830-68
Tetra-chloro-meta-xylene	50-150	141%	110%	124%	107%	106%	93%	99%
Decachlorobiphenyl	50-150	60%	47*%	54%	51%	51%	47*%	44*%

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		130830-69	130830-71	130830-72	130830-73	130830-74	130830-88	130830-89
Tetra-chloro-meta-xylene	50-150	95%	101%	100%	94%	115%	113%	102%
Decachlorobiphenyl	50-150	45*%	46*%	41*%	41*%	50%	52%	46*%

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		130830-90	130830-43	130830-44	130830-45			
Tetra-chloro-meta-xylene	50-150	95%	99%	95%	95%			
Decachlorobiphenyl	50-150	43*%	45*%	41*%	41*%			

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

* = Surrogate fail due to matrix interference (If Marked)

Note: LCS, MS, MSD are in control therefore results are in control.Analyzed and Reviewed By: Final Reviewer: 

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: WATER
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 08/30/13
DATE ANALYZED: 09/03/13
DATE REPORTED: 09/09/13

SAMPLE I.D.: Rinsate #1

LAB I.D.: 130830-85

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: ug/L = Microgram per Liter = PPB

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.100	1
alpha-BHC	ND	0.100	1
beta-BHC	ND	0.100	1
gamma-BHC (Lindane)	ND	0.100	1
delta-BHC	ND	0.100	1
alpha-Chlordane	ND	0.100	1
gamma-Chlordane	ND	0.100	1
Total Chlordane (Technical)	ND	0.500	1
4,4'-DDD	ND	0.100	1
4,4'-DDE	ND	0.100	1
4,4'-DDT	ND	0.100	1
Dieldrin	ND	0.100	1
Endosulfan I	ND	0.100	1
Endosulfan II	ND	0.100	1
Endosulfan Sulfate	ND	0.100	1
Endrin	ND	0.100	1
Endrin Aldehyde	ND	0.100	1
Endrin Ketone	ND	0.100	1
Heptachlor Epoxide	ND	0.100	1
Heptachlor	ND	0.100	1
Methoxychlor	ND	0.100	1
Toxaphene	ND	2.00	1

COMMENTS

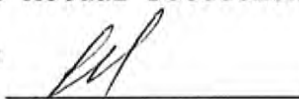
DF = Dilution Factor

PQL = Practical Quantitation Limit

Actual Detection Limit = PQL X DF

ND = Non detected or below the Actual Detection Limit

Data Reviewed and Approved by:
CAL-DHS CERTIFICATE # 1555



METHOD BLANK REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: WATER
DATE SAMPLED: 08/30/13
REPORT TO: MR. JON CAIN

DATE RECEIVED: 08/30/13
DATE EXTRACTED: 08/30/13
DATE ANALYZED: 09/03/13
DATE REPORTED: 09/09/13

METHOD BLANK FOR LAB I.D.: 130830-85

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: ug/L = Microgram per Liter = PPB

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.100	1
alpha-BHC	ND	0.100	1
beta-BHC	ND	0.100	1
gamma-BHC (Lindane)	ND	0.100	1
delta-BHC	ND	0.100	1
alpha-Chlordane	ND	0.100	1
gamma-Chlordane	ND	0.100	1
Total Chlordane (Technical)	ND	0.500	1
4,4'-DDD	ND	0.100	1
4,4'-DDE	ND	0.100	1
4,4'-DDT	ND	0.100	1
Dieldrin	ND	0.100	1
Endosulfan I	ND	0.100	1
Endosulfan II	ND	0.100	1
Endosulfan Sulfate	ND	0.100	1
Endrin	ND	0.100	1
Endrin Aldehyde	ND	0.100	1
Endrin Ketone	ND	0.100	1
Heptachlor Epoxide	ND	0.100	1
Heptachlor	ND	0.100	1
Methoxychlor	ND	0.100	1
Toxaphene	ND	2.00	1

COMMENTS

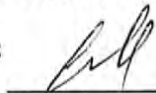
DF = Dilution Factor

PQL = Practical Quantitation Limit

Actual Detection Limit = PQL X DF

ND = Non detected or below the Actual Detection Limit

Data Reviewed and Approved by:
CAL-DHS CERTIFICATE # 1555



Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766

Tel (909)590-5905 Fax (909)590-5907

EPA 608 QA/QC Report

+ 808/1A

OR

Matrix: Water/Liquid

Unit: ug/L

Date Analyzed: 9/3-4/2013

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 130830-85 MS/MSD

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Gamma-BHC	0	0.500	0.539	108%	0.569	114%	5%	0-20%	70-130
Aldrin	0	0.500	0.569	114%	0.538	108%	6%	0-20%	70-130
4,4-DDE	0	0.500	0.439	88%	0.428	86%	3%	0-20%	70-130

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Gamma-BHC	0.500	0.529	106%	75-125
Aldrin	0.500	0.545	109%	75-125
4,4-DDE	0.500	0.575	115%	75-125
Dieldrin	0.500	0.526	105%	75-125

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		M-BLK	130829-06F	130829-21	130830-85				
Tetra-chloro-meta-xylene	50-150	91%	88%	78%	86%				
Decachlorobipneyl	50-150	56%	57%	44*%	60%				

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.									
Tetra-chloro-meta-xylene									
Decachlorobipneyl									

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.							
Tetra-chloro-meta-xylene							
Decachlorobipneyl							

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: [Signature]

* = Surrogate fail due to matrix interference

Note: LCS, MS, MSD are in control therefore results are in control.

Final Reviewer: [Signature]

Enviro-Chem, Inc. Laboratories

1214 E. Lexington Avenue,
Pomona, CA 91766

Tel: (909) 590-5905 Fax: (909) 590-5907

CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
☐ Same Day
☐ 24 Hours
☐ 48 Hours
☒ 72 Hours
☐ 1 Week (Standard)
 Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	COMMENTS
HP-1A@1.0'	130830-43	08-30-13	10:01	Soil	1	25	ICE	X	
HP-1A@3.0'	-44	08-30-13	10:01					X	
HP-1A@5.0'	-45	10:04	9:56						
HP-1B@1.0'	-46		9:56						
HP-1B@3.0'	-47		9:52						
HP-1B@5.0'	-48		9:56						
HP-2A@1.0'	-49		10:40						
HP-2A@3.0'	-50		10:40						
HP-2A@5.0'	-51		10:43						
HP-2B@1.0'	-52		10:50						
HP-2B@3.0'	-53		10:50						
HP-2B@5.0'	-54		10:53						
HP-3A@1.0'	-55		10:28						
HP-3A@3.0'	-56		10:28						
HP-3A@5.0'	-57		10:30						

Company Name: Petra Geotechnical Inc.

Address: 40880 County Center Dr.

City/State/Zip: Temecula, CA 92591

Relinquished by: [Signature] Received by: [Signature]

Relinquished by: [Signature] Received by: [Signature]

Relinquished by: [Signature] Received by: [Signature]

Project Contact: Jon Cain

Tel: 951-600-9271

Fax: 951-719-1499

Project Name/ID: 12-355

Sampler's Signature: [Signature]

Instructions for Sample Storage After Analysis:
☐ Dispose of ☐ Return to Client ☐ Store (30 Days)
☐ Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: _____

Page 1 of 4

Enviro-Chem, Inc. Laboratories

1214 E. Lexington Avenue,
Pomona, CA 91766

Tel: (909) 590-5905 Fax: (909) 590-5907

CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
☐ Same Day
☐ 24 Hours
☐ 48 Hours
☒ 72 Hours
☐ 1 Week (Standard)
 Other: _____

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required				COMMENTS
HP-3B@1.0'	130830-58	08-30-13	10:33	Soil	1		Ice					
HP-3B@3.0'	- 59		10:33									
HP-3B@5.0'	- 60		10:35									
HP-1B A@1.0'	- 61		10:14									
HP-1B A@3.0'	- 62		10:14									
HP-1B A@5.0'	- 63		10:16									
HP-1B B@1.0'	- 64		10:20									
HP-1B B@3.0'	- 65		10:20									
HP-1B B@5.0'	- 66		10:22									
HP-8 A@1.0'	- 67		11:18									
HP-8 A@3.0'	- 68		11:18									
HP-8 A@5.0'	- 69		11:20									
HP-9 A@1.0'	- 70		11:25									
HP-9 A@3.0'	- 71		11:25									
HP-9 A@5.0'	- 72		11:27									

Company Name: Petra Geotechnical Inc.

Address: 40880 County Center Dr.

City/State/Zip: Temecula, CA 92591

Relinquished by: [Signature] 2:16 08-30-13

Relinquished by:

Relinquished by:

Project Contact: Jon Cain

Tel: 951-600-9271

Fax: 951-719-1499

Received by:

Received by:

Received by:

Sampler's Signature: [Signature]

Project Name/ID: 12-355

Date & Time: 8/30/13 1415

Date & Time:

Date & Time:

Instructions for Sample Storage After Analysis:

☐ Dispose of ☐ Return to Client ☐ Store (30 Days)

☐ Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: _____

Page 2 of 4

Enviro-Chem, Inc. Laboratories
 1214 E. Lexington Avenue,
 Pomona, CA 91766
 Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
☐ Same Day
☐ 24 Hours
☐ 48 Hours
☐ 72 Hours
☒ 1 Week (Standard)
 Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	COMMENTS
HP-10A@1.0	130830-73	08-30-13	11:12	soil	1		ICE	X	
HP-10A@3.0'	- 74		11:12					X	
HP-10A@5.0'	- 75		11:13					X	
HP-19@.5'	- 76		11:02					X	
HP-19@ 2.0'	- 77		11:02					X	
HP-19@ 5.0'	- 78		11:05					X	
HP-20@ .5'	- 79		11:33					X	
HP-20@ 2.0'	- 80		11:33					X	
HP-20@ 5.0'	- 81		11:35					X	
HP-21@ .5'	- 82		11:43					X	
HP-21@ 2.0'	- 83		11:43					X	
HP-21@ 5.0'	- 84		11:45					X	
Rinsate #1	- 85	08-30-13	11:49	Water	1		ICE	X	
Rinsate #2	- 86		11:50					X	
Rinsate #3	- 87		11:51					X	

Company Name: **Petra Geotechnical Inc.**

Address: **40880 County Center Dr.**

City/State/Zip: **Temecula, CA 92591**

Relinquished by: *Cherie A. [Signature]* 2:18 8-30-13

Relinquished by:

Relinquished by:

Project Contact: **Jen Cain**

Tel: **951-600-9271**

Fax: **951-719-1499**

Received by: *[Signature]* 2:18 8-30-13

Received by:

Received by:

Sampler's Signature: *[Signature]*

Project Name/ID: **12-355**

Instructions for Sample Storage After Analysis:
☐ Dispose of ☐ Return to Client ☐ Store (30 Days)
☐ Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Turnaround Time

☐ Same Day

☐ 24 Hours

☐ 48 Hours

☒ 72 Hours

☐ 1 Week (Standard)

Other:

Tel: (909) 590-5905 Fax: (909) 590-5907

0-1 Week (Standard)

[illegible]

WHITE WITH SAMPLE F • YELLOW TO CLIENT

Date: September 26, 2013

Mr. Jon Cain
Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel(951)600-9271 Fax(951)600-9215

Project: **12-355**
Lab I.D.: **130730-52 through -99**

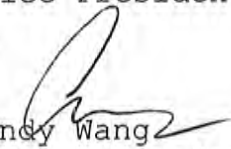
Dear Mr. Cain:

The **additional Cr VI results** for the soil and water samples, received by our lab on July 30, 2013, are attached. The samples were received chilled, intact, accompanying chain of custody and also stored per the EPA protocols.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,


Curtis Desilets
Vice President/Program Manager


Andy Wang
Laboratory Manager

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355

MATRIX: SOIL

DATE SAMPLED: 07/30/13

REPORT TO: MR. JON CAIN

DATE RECEIVED: 07/30/13

DATE ANALYZED: 09/18/13

DATE REPORTED: 09/26/13

SAMPLE I.D.: HP-13@2.0'

LAB I.D.: 130730-83

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Chromium VI (Cr6)	ND	0.1	1	500	5.0	7196A

COMMENTS

DF = Dilution Factor

PQL = Practical Quantitation Limit

Actual Detection Limit = PQL X DF

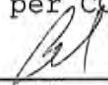
ND = Below the Actual Detection Limit or non-detected

TTLC = Total Threshold Limit Concentration

STLC = Soluble Threshold Limit Concentration

* = STLC analysis for the metal is recommended (if marked)

*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: 

CAL-DHS ELAP CERTIFICATE No.: 1555

METHOD BLANK REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355

MATRIX: SOIL

DATE SAMPLED: 07/30/13

REPORT TO: MR. JON CAIN

DATE RECEIVED: 07/30/13

DATE ANALYZED: 09/18/13

DATE REPORTED: 09/26/13

METHOD BLANK FOR LAB I.D.: 130730-83

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Chromium VI (Cr6)	ND	0.1	1	500	5.0	7196A

COMMENTS

DF = Dilution Factor

PQL = Practical Quantitation Limit

Actual Detection Limit = PQL X DF

ND = Below the Actual Detection Limit or non-detected

TTLC = Total Threshold Limit Concentration

STLC = Soluble Threshold Limit Concentration

* = STLC analysis for the metal is recommended (if marked)

*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per GCR-TITLE 22 (if marked)

Data Reviewed and Approved by: 

CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg	5/31/2013	130530-16	137	133	3.0%	0-20
Residual Chlorine	mg/Kg					0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm	9/16/2013	130916-25	12.6	12.7	0.79%	0-20
pH	pH units	9/11/2013	130911-77	7.36	7.38	0.3%	0-20
TDS	mg/L	6/5/2013	130530-59	551	555	0.7%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms	9/11/2013	130911-77	4082	4016	1.6%	0-20
% MOISTURE	%	9/16/2013	130916-15	9.1	9.3	1.4%	0-20
BTU	BTU/lb	9/17/2013	130916-16	7806	7862	0.7%	0-20
Salinity	S					0.00%	0-20

%RPD = Relative Percent Difference ACP %RPD = Acceptable Relative Percent Difference

Analysis	Units	Date Analyzed	Sample I.D.	Spk Conc	S.R.	ACP %RPD	ACP %RC	MS	MS %RC	MSD	MSD %RC	% RPD
Acidity	mg/Kg					0	80-120					
Ammonia as N	mg/Kg	9/6/2013	130906-3	50.0	0.000	0-20	80-120	46.2	92%	47.8	96%	3.2%
MBAS	mg/Kg	2/15/2013	LCS1/2	6.00	0.0	0-20	80-120	5.07	85%	5.17	86%	1.7%
Chloride	mg/Kg	9/11/2013	LCS1/2	200	0.0	0-20	80-120	180	90%	170	85%	5.0%
COD	mg/Kg	6/20/2011	LCS1/2	500	0.0	0-20	80-120	488	98%	486	97%	0.4%
Cr VI	mg/Kg	9/18/2013	130830-82	4.0	0.000	0-20	80-120	3.56	89%	3.49	87%	1.8%
Cyanide	mg/Kg	9/13/2013	LCS1/2	10.0	0.000	0-20	80-120	8.78	88%	8.45	85%	3.3%
Fluoride	mg/Kg	8/9/2013	LCS1/2	10.0	0.000	0-20	80-120	10.6	106%	11.8	118%	12.0%
Nitrate as N	mg/Kg	8/9/2013	LCS1/2	4.0	0.00	0-20	80-120	3.44	86%	3.35	84%	2.3%
Nitrite as N	mg/Kg	8/9/2013	LCS1/2	4.0	0.00	0-20	80-120	3.66	92%	3.74	94%	2.0%
Oil and Grease	mg/Kg	7/29/2013	LCS1/2	667	0.0	0-20	80-120	560	84%	560	84%	0.0%
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg	9/11/2013	LCS1/2	200	0.0	0-20	80-120	174	87%	170	85%	2.0%
Sulfide	mg/Kg	6/28/2013	LCS1/2	3.00	0.0	0-20	80-120	2.49	83%	2.53	84%	1.3%
TRPH	mg/Kg	9/10/2013	1309005-49	667	4.7	0-20	80-120	707	105%	707	105%	0.0%
Sulfide, Reactive	mg/Kg	6/7/2013	LCS1/2	3.00	0.0	0-20	80-120	2.61	87%	2.70	90%	3.0%
EPA 1664A	mg/Kg	8/8/2013	LCS1/2	500	0.0	0-20	80-120	415	83%	425	85%	2.0%

%RC = Percent Recovery

ACP %RC = Accepted Percent Recovery

S.R. = Sample Results

Analyst Signature: Final Reviewer: 

Enviro-Chem, Inc. Laboratories
 1214 E. Lexington Avenue,
 Pomona, CA 91766
 Tel: (909) 990-5905 Fax: (909) 590-5907
 CA-DHS ELAP CERTIFICATE # 1565

Turnaround Time
 0 Same Day
 0 24 Hours
 0 48 Hours
 0 72 Hours
 0 1 Week (Standard)
 Other:

SAMPLE ID	LAB ID	SAMPLING DATE TIME	NO. OF CONTAINERS	TEMPERATURE	PRESERVATION	ANALYSES REQUIRED	COMMENTS
HP-13 @ 0.5'	130730-82	8/26/99 9:52 AM	1	NONE		XX	
HP-13 @ 2.0'	83	8/26/99 9:54				XX	
HP-13 @ 5.0'	84	8/26/99 9:52				XX	
HP-14 @ 0.5'	85	10/4/99 10:42				XX	
HP-14 @ 2.0'	86	10/4/99 10:42				XX	
HP-14 @ 5.0'	87	10/4/99 10:44				XX	
HP-15 @ 0.5'	88	11/16/99 11:16				XX	
HP-15 @ 2.0'	89	11/16/99 11:16				XX	
HP-15 @ 5.0'	90	11/18/99 11:18				XX	
HP-16 @ 5.0'	91	11/23/99 11:23				XX	
HP-16 @ 7.0'	92	11/23/99 11:23				XX	
HP-16 @ 8.0'	93	11/23/99 11:26				XX	
HP-17 @ 0.5'	94	11/23/99 11:26				XX	
HP-17 @ 2.0'	95	11/23/99 11:26				XX	
HP-17 @ 5.0'	96	11/23/99 11:26				XX	
Company Name: <u>Petra Geotechnical Inc.</u> Address: <u>40880 County Center Dr.</u> Tel: <u>951-600-9231</u> City/State/Zip: <u>Temecula CA 92591</u> Fax: <u>951-719-1499</u> Relinquished by: <u>[Signature]</u> Received by: <u>[Signature]</u> Relinquished by: <u>[Signature]</u> Received by: <u>[Signature]</u> Relinquished by: <u>[Signature]</u> Received by: <u>[Signature]</u>							

Chromium VI (mg/L)
 7196

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE, YELLOW TO CLIENT

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: June 27, 2014

Mr. Jon Cain
Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

Project: 12-355
Lab I.D.: 140620-7 through -35

Dear Mr. Cain:

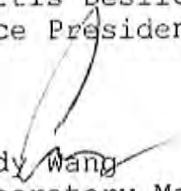
The **analytical results** for the soil and water samples, received by our lab on June 20, 2014, are attached. The samples were received chilled, intact and accompanying chain of custody record.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,



Curtis Desilets
Vice President/Program Manager



Andy Wang
Laboratory Manager

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355

MATRIX: SOIL

DATE SAMPLED: 06/20/14

REPORT TO: MR. JON CAIN

DATE RECEIVED: 06/20/14

DATE EXTRACTED: 06/24/14

DATE ANALYZED: 06/25/14

DATE REPORTED: 06/27/14

SAMPLE I.D.: HP-19 @ .5'

LAB I.D.: 140620-20

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	10
alpha-BHC	ND	0.001	10
beta-BHC	ND	0.001	10
gamma-BHC (Lindane)	ND	0.001	10
delta-BHC	ND	0.001	10
alpha-Chlordane	ND	0.001	10
gamma-Chlordane	ND	0.001	10
Total Chlordane (Technical)	ND	0.005	10
4,4'-DDD	ND	0.001	10
4,4'-DDE	0.368	0.001	100
4,4'-DDT	0.026	0.001	10
Dieldrin	ND	0.001	10
Endosulfan I	ND	0.001	10
Endosulfan II	ND	0.001	10
Endosulfan Sulfate	ND	0.001	10
Endrin	ND	0.001	10
Endrin Aldehyde	ND	0.001	10
Endrin Ketone	ND	0.001	10
Heptachlor Epoxide	ND	0.001	10
Heptachlor	ND	0.001	10
Methoxychlor	ND	0.001	10
Toxaphene	ND	0.020	10

COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355

MATRIX: SOIL

DATE SAMPLED: 06/20/14

REPORT TO: MR. JON CAIN

DATE RECEIVED: 06/20/14

DATE EXTRACTED: 06/24/14

DATE ANALYZED: 06/24/14

DATE REPORTED: 06/27/14

SAMPLE I.D.: HP-20 @ 2.5' 0.5

LAB I.D.: 140620-23

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	10
alpha-BHC	ND	0.001	10
beta-BHC	ND	0.001	10
gamma-BHC (Lindane)	ND	0.001	10
delta-BHC	ND	0.001	10
alpha-Chlordane	ND	0.001	10
gamma-Chlordane	ND	0.001	10
Total Chlordane (Technical)	ND	0.005	10
4,4'-DDD	ND	0.001	10
4,4'-DDE	0.180	0.001	100
4,4'-DDT	0.011	0.001	10
Dieldrin	ND	0.001	10
Endosulfan I	ND	0.001	10
Endosulfan II	ND	0.001	10
Endosulfan Sulfate	ND	0.001	10
Endrin	ND	0.001	10
Endrin Aldehyde	ND	0.001	10
Endrin Ketone	ND	0.001	10
Heptachlor Epoxide	ND	0.001	10
Heptachlor	ND	0.001	10
Methoxychlor	ND	0.001	10
Toxaphene	ND	0.020	10

COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: [Signature]

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 06/20/14
REPORT TO: MR. JON CAIN

DATE RECEIVED: 06/20/14
DATE EXTRACTED: 06/24/14
DATE ANALYZED: 06/24/14
DATE REPORTED: 06/27/14

SAMPLE I.D.: HP-21 @ .5'

LAB I.D.: 140620-26

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	10
alpha-BHC	ND	0.001	10
beta-BHC	ND	0.001	10
gamma-BHC (Lindane)	ND	0.001	10
delta-BHC	ND	0.001	10
alpha-Chlordane	ND	0.001	10
gamma-Chlordane	ND	0.001	10
Total Chlordane (Technical)	ND	0.005	10
4,4'-DDD	ND	0.001	10
4,4'-DDE	0.350	0.001	100
4,4'-DDT	0.022	0.001	10
Dieldrin	ND	0.001	10
Endosulfan I	ND	0.001	10
Endosulfan II	ND	0.001	10
Endosulfan Sulfate	ND	0.001	10
Endrin	ND	0.001	10
Endrin Aldehyde	ND	0.001	10
Endrin Ketone	ND	0.001	10
Heptachlor Epoxide	ND	0.001	10
Heptachlor	ND	0.001	10
Methoxychlor	ND	0.001	10
Toxaphene	ND	0.020	10

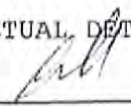
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 06/20/14
REPORT TO: MR. JON CAIN

DATE RECEIVED: 06/20/14
DATE EXTRACTED: 06/24/14
DATE ANALYZED: 06/24/14
DATE REPORTED: 06/27/14

SAMPLE I.D.: HP-22 @ .5'

LAB I.D.: 140620-29

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	10
alpha-BHC	ND	0.001	10
beta-BHC	ND	0.001	10
gamma-BHC (Lindane)	ND	0.001	10
delta-BHC	ND	0.001	10
alpha-Chlordane	ND	0.001	10
gamma-Chlordane	ND	0.001	10
Total Chlordane (Technical)	ND	0.005	10
4,4'-DDD	ND	0.001	10
4,4'-DDE	0.478	0.001	100
4,4'-DDT	0.020	0.001	10
Dieldrin	ND	0.001	10
Endosulfan I	ND	0.001	10
Endosulfan II	ND	0.001	10
Endosulfan Sulfate	ND	0.001	10
Endrin	ND	0.001	10
Endrin Aldehyde	ND	0.001	10
Endrin Ketone	ND	0.001	10
Heptachlor Epoxide	ND	0.001	10
Heptachlor	ND	0.001	10
Methoxychlor	ND	0.001	10
Toxaphene	ND	0.020	10

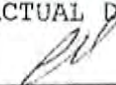
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355

MATRIX: SOIL

DATE SAMPLED: 06/20/14

REPORT TO: MR. JON CAIN

DATE RECEIVED: 06/20/14

DATE EXTRACTED: 06/24/14

DATE ANALYZED: 06/26/14

DATE REPORTED: 06/27/14

SAMPLE I.D.: HP-23 @ .5'

LAB I.D.: 140620-32

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	500
alpha-BHC	ND	0.001	500
beta-BHC	ND	0.001	500
gamma-BHC (Lindane)	ND	0.001	500
delta-BHC	ND	0.001	500
alpha-Chlordane	ND	0.001	500
gamma-Chlordane	ND	0.001	500
Total Chlordane (Technical)	ND	0.005	500
4,4'-DDD	ND	0.001	500
4,4'-DDE	3.36	0.001	500
4,4'-DDT	0.500	0.001	500
Dieldrin	ND	0.001	500
Endosulfan I	ND	0.001	500
Endosulfan II	ND	0.001	500
Endosulfan Sulfate	ND	0.001	500
Endrin	ND	0.001	500
Endrin Aldehyde	ND	0.001	500
Endrin Ketone	ND	0.001	500
Heptachlor Epoxide	ND	0.001	500
Heptachlor	ND	0.001	500
Methoxychlor	ND	0.001	500
Toxaphene	ND	0.020	500

COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355

MATRIX: SOIL

DATE SAMPLED: 06/20/14

REPORT TO: MR. JON CAIN

DATE RECEIVED: 06/20/14

DATE EXTRACTED: 06/24/14

DATE ANALYZED: 06/25/14

DATE REPORTED: 06/27/14

SAMPLE I.D.: HP-24 @ .5'

LAB I.D.: 140620-7

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	100
alpha-BHC	ND	0.001	100
beta-BHC	ND	0.001	100
gamma-BHC (Lindane)	ND	0.001	100
delta-BHC	ND	0.001	100
alpha-Chlordane	ND	0.001	100
gamma-Chlordane	ND	0.001	100
Total Chlordane (Technical)	ND	0.005	100
4,4'-DDD	ND	0.001	100
4,4'-DDE	0.476	0.001	100
4,4'-DDT	0.142	0.001	100
Dieldrin	ND	0.001	100
Endosulfan I	ND	0.001	100
Endosulfan II	ND	0.001	100
Endosulfan Sulfate	ND	0.001	100
Endrin	ND	0.001	100
Endrin Aldehyde	ND	0.001	100
Endrin Ketone	ND	0.001	100
Heptachlor Epoxide	ND	0.001	100
Heptachlor	ND	0.001	100
Methoxychlor	ND	0.001	100
Toxaphene	ND	0.020	100

COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355

MATRIX: SOIL

DATE SAMPLED: 06/20/14

REPORT TO: MR. JON CAIN

DATE RECEIVED: 06/20/14

DATE EXTRACTED: 06/24/14

DATE ANALYZED: 06/24/14

DATE REPORTED: 06/27/14

SAMPLE I.D.: HP-24 @ .5' Dupe

LAB I.D.: 140620-8

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	10
alpha-BHC	ND	0.001	10
beta-BHC	ND	0.001	10
gamma-BHC (Lindane)	ND	0.001	10
delta-BHC	ND	0.001	10
alpha-Chlordane	ND	0.001	10
gamma-Chlordane	ND	0.001	10
Total Chlordane (Technical)	ND	0.005	10
4,4'-DDD	0.019	0.001	10
4,4'-DDE	0.873	0.001	100
4,4'-DDT	0.012	0.001	10
Dieldrin	ND	0.001	10
Endosulfan I	ND	0.001	10
Endosulfan II	ND	0.001	10
Endosulfan Sulfate	ND	0.001	10
Endrin	ND	0.001	10
Endrin Aldehyde	ND	0.001	10
Endrin Ketone	ND	0.001	10
Heptachlor Epoxide	ND	0.001	10
Heptachlor	ND	0.001	10
Methoxychlor	ND	0.001	10
Toxaphene	ND	0.020	10

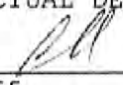
COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 06/20/14
REPORT TO: MR. JON CAIN

DATE RECEIVED: 06/20/14
DATE EXTRACTED: 06/24/14
DATE ANALYZED: 06/24/14
DATE REPORTED: 06/27/14

SAMPLE I.D.: HP-25 @ .5'

LAB I.D.: 140620-11

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	10
alpha-BHC	ND	0.001	10
beta-BHC	ND	0.001	10
gamma-BHC (Lindane)	ND	0.001	10
delta-BHC	ND	0.001	10
alpha-Chlordane	ND	0.001	10
gamma-Chlordane	ND	0.001	10
Total Chlordane (Technical)	ND	0.005	10
4,4'-DDD	0.018	0.001	10
4,4'-DDE	0.919	0.001	100
4,4'-DDT	0.040	0.001	10
Dieldrin	0.010	0.001	10
Endosulfan I	ND	0.001	10
Endosulfan II	ND	0.001	10
Endosulfan Sulfate	ND	0.001	10
Endrin	ND	0.001	10
Endrin Aldehyde	ND	0.001	10
Endrin Ketone	ND	0.001	10
Heptachlor Epoxide	ND	0.001	10
Heptachlor	ND	0.001	10
Methoxychlor	ND	0.001	10
Toxaphene	ND	0.020	10

COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical Inc.
38655 Sky Canyon Drive
Murrieta, CA 92563
Tel (951) 600-9271 Fax (951) 600-9215

PROJECT: 12-355
MATRIX: SOIL
DATE SAMPLED: 06/20/14
REPORT TO: MR. JON CAIN

DATE RECEIVED: 06/20/14
DATE EXTRACTED: 06/24/14
DATE ANALYZED: 06/24/14
DATE REPORTED: 06/27/14

SAMPLE I.D.: HP-26 @ .5'

LAB I.D.: 140620-14

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	10
alpha-BHC	ND	0.001	10
beta-BHC	ND	0.001	10
gamma-BHC (Lindane)	ND	0.001	10
delta-BHC	ND	0.001	10
alpha-Chlordane	ND	0.001	10
gamma-Chlordane	ND	0.001	10
Total Chlordane (Technical)	ND	0.005	10
4,4'-DDD	0.010	0.001	10
4,4'-DDE	0.479	0.001	100
4,4'-DDT	0.020	0.001	10
Dieldrin	ND	0.001	10
Endosulfan I	ND	0.001	10
Endosulfan II	ND	0.001	10
Endosulfan Sulfate	ND	0.001	10
Endrin	ND	0.001	10
Endrin Aldehyde	ND	0.001	10
Endrin Ketone	ND	0.001	10
Heptachlor Epoxide	ND	0.001	10
Heptachlor	ND	0.001	10
Methoxychlor	ND	0.001	10
Toxaphene	ND	0.020	10

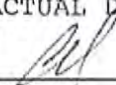
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