ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270C GC/MS
Page 1 of 1

Sample ID: MB-090205
METHOD BLANK

Lab Sample ID: MB-090205
LIMS ID: 05-15095
Matrix: Soil
Data Release Authorized: VTS
Reported: 09/05/05

QC Report No: IM19-Landau Associates, Inc.
Project: Port of Anacortes
529012
Date Sampled: NA
Date Received: NA

Date Extracted: 09/02/05
Date Analyzed: 09/02/05 16:37
Instrument/Analyst: NT6/LJR
GPC Cleanup: No
Alumina: No

Sample Amount: 7.50 g
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: NA
pH: NA

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	67	< 67 U
218-01-9	Chrysene	67	< 67 U
205-99-2	Benzo(b)fluoranthene	67	< 67 U
207-08-9	Benzo(k)fluoranthene	67	< 67 U
50-32-8	Benzo(a)pyrene	67	< 67 U
193-39-5	Indeno(1,2,3-cd)pyrene	67	< 67 U
53-70-3	Dibenz(a,h)anthracene	67	< 67 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	70.0%
2-Fluorobiphenyl	57.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270C GC/MS **Sample ID: SP-1**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IM19A
LIMS ID: 05-15095
Matrix: Soil
Data Release Authorized: VTS
Reported: 09/05/05

QC Report No: IM19-Landau Associates, Inc.
Project: Port of Anacortes
529012
Date Sampled: 08/31/05
Date Received: 08/31/05

Date Extracted: 09/02/05
Date Analyzed: 09/02/05 17:43
Instrument/Analyst: NT6/LJR
GPC Cleanup: No
Alumina: No

Sample Amount: 6.88 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 8.5%
pH: 7.0

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	73	< 73 U
218-01-9	Chrysene	73	< 73 U
205-99-2	Benzo(b)fluoranthene	73	< 73 U
207-08-9	Benzo(k)fluoranthene	73	< 73 U
50-32-8	Benzo(a)pyrene	73	< 73 U
193-39-5	Indeno(1,2,3-cd)pyrene	73	< 73 U
53-70-3	Dibenz(a,h)anthracene	73	< 73 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	71.2%
2-Fluorobiphenyl	59.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270C GC/MS **Sample ID: SP-2**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IM19B
LIMS ID: 05-15096
Matrix: Soil
Data Release Authorized: VTS
Reported: 09/05/05

QC Report No: IM19-Landau Associates, Inc.
Project: Port of Anacortes
529012
Date Sampled: 08/31/05
Date Received: 08/31/05

Date Extracted: 09/02/05
Date Analyzed: 09/02/05 18:17
Instrument/Analyst: NT6/LJR
GPC Cleanup: No
Alumina: No

Sample Amount: 6.55 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 13.1%
pH: 6.7

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	76	< 76 U
218-01-9	Chrysene	76	< 76 U
205-99-2	Benzo(b)fluoranthene	76	< 76 U
207-08-9	Benzo(k)fluoranthene	76	< 76 U
50-32-8	Benzo(a)pyrene	76	< 76 U
193-39-5	Indeno(1,2,3-cd)pyrene	76	< 76 U
53-70-3	Dibenz(a,h)anthracene	76	< 76 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	62.8%
2-Fluorobiphenyl	58.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270C GC/MS **Sample ID: SP-3**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IM19C
LIMS ID: 05-15097
Matrix: Soil
Data Release Authorized: VTS
Reported: 09/05/05

QC Report No: IM19-Landau Associates, Inc.
Project: Port of Anacortes
529012
Date Sampled: 08/31/05
Date Received: 08/31/05

Date Extracted: 09/02/05
Date Analyzed: 09/02/05 18:50
Instrument/Analyst: NT6/LJR
GPC Cleanup: No
Alumina: No

Sample Amount: 6.92 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 8.2%
pH: 6.6

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	72	< 72 U
218-01-9	Chrysene	72	< 72 U
205-99-2	Benzo(b)fluoranthene	72	< 72 U
207-08-9	Benzo(k)fluoranthene	72	< 72 U
50-32-8	Benzo(a)pyrene	72	< 72 U
193-39-5	Indeno(1,2,3-cd)pyrene	72	< 72 U
53-70-3	Dibenz(a,h)anthracene	72	< 72 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	66.8%
2-Fluorobiphenyl	63.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270C GC/MS **Sample ID: SP-4**
Page 1 of 1 **SAMPLE**

Lab Sample ID: IM19D
LIMS ID: 05-15098
Matrix: Soil
Data Release Authorized: VTS
Reported: 09/05/05

QC Report No: IM19-Landau Associates, Inc.
Project: Port of Anacortes
529012
Date Sampled: 08/31/05
Date Received: 08/31/05

Date Extracted: 09/02/05
Date Analyzed: 09/02/05 19:23
Instrument/Analyst: NT6/LJR
GPC Cleanup: No
Alumina: No

Sample Amount: 6.89 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 8.1%
pH: 6.5

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	73	< 73 U
218-01-9	Chrysene	73	< 73 U
205-99-2	Benzo(b)fluoranthene	73	< 73 U
207-08-9	Benzo(k)fluoranthene	73	< 73 U
50-32-8	Benzo(a)pyrene	73	< 73 U
193-39-5	Indeno(1,2,3-cd)pyrene	73	< 73 U
53-70-3	Dibenz(a,h)anthracene	73	< 73 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	56.8%
2-Fluorobiphenyl	60.0%

ANALYTICAL RESOURCES INCORPORATED

SW8270 PNA SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: IM19-Landau Associates, Inc.
Project: Port of Anacortes
529012

Client ID	TER	FBP	TOT OUT
MB-090205	70.0%	57.2%	0
LCS-090205	72.0%	56.0%	0
SP-1	71.2%	59.6%	0
SP-2	62.8%	58.4%	0
SP-3	66.8%	63.6%	0
SP-4	56.8%	60.0%	0

	LCS/MB LIMITS	QC LIMITS
(TER) = d14-p-Terphenyl	(50-113)	(30-123)
(FBP) = 2-Fluorobiphenyl	(30-160)	(30-160)

Prep Method: SW3550B
Log Number Range: 05-15095 to 05-15098

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270C GC/MS
Page 1 of 1

Sample ID: LCS-090205
LAB CONTROL

Lab Sample ID: LCS-090205
LIMS ID: 05-15095
Matrix: Soil
Data Release Authorized: VTS
Reported: 09/05/05

QC Report No: IM19-Landau Associates, Inc.
Project: Port of Anacortes
529012
Date Sampled: NA
Date Received: 08/31/05

Date Extracted: 09/02/05
Date Analyzed: 09/02/05 17:10
Instrument/Analyst: NT6/LJR
GPC Cleanup: NO

Sample Amount: 7.50 g
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Alumina Cleanup: NO

Analyte	Lab Control	Spike Added	Recovery
Benzo(a)anthracene	969	1670	58.0%

Semivolatile Surrogate Recovery

d14-p-Terphenyl	72.0%
2-Fluorobiphenyl	56.0%

Results reported in µg/kg