

1307239

Robert Naman
 ACT Laboratory, Inc.
 P.O. Box 16198
 Mobile, AL 36616

ANALYTICAL CHEMICAL TESTING
 LABORATORY, INC.
 CONSULTING CHEMISTS & SCIENTISTS



Remit Results To:

CHAIN OF CUSTODY

Job No.:	Project Name:	Project Location:	Sample Type			No. of Containers	Container Type	Plastic (yes/no)	Preservation (yes/no)	Color (yes/no)	Preservatives (yes/no)	PAH's	tentatively identified compounds w/ Chromatogram	Required Analysis	Page	Of
			Water	Soil	Other											
13-3273	Robert Naman	Marshall, MI	✓			1	G	I				✓				
13-3273	Robert Naman	Marshall, MI		✓		1	G	I				✓				
13-3273	Sonia Grant	Marshall, MI			✓	1	G	I				✓				
7-26-13	1000	13-3273-0727-2														
7-26-13	1000	13-3273-0727-4														
7-26-13	1500	13-3273-0727-5														
Date: 7-26-13 Time: 1000 Date: 7-26-13 Time: 1000 Date: 7-26-13 Time: 1500																
Date: 7-30-13 Time: 1550 Date: 7-31-13 Time: 1030																
Date: 7-30-13 Time: 1550 Date: 7-31-13 Time: 1030																

Relinquished by: *Sonia Grant* Date: 7-30-13 Time: 1550
 Received By: *C. pm* Date: 7/31/13 Time: 1030
 Remarks:

Phone (251) 479-9205
 Fax (251) 478-8181

via UPS #12074 V71 01 94367735

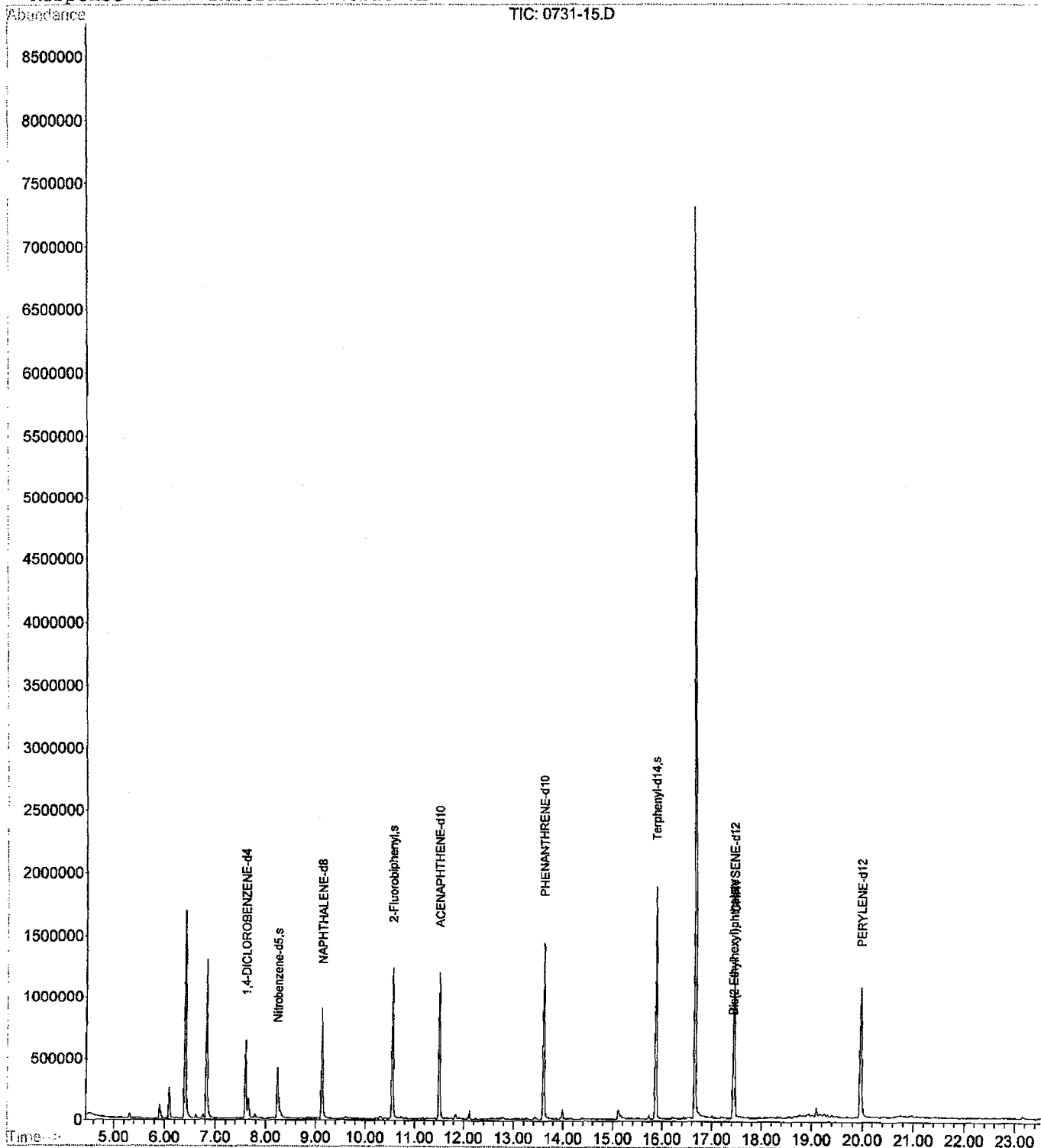
Quantitation Report

Data File : H:\HPCHEM\1\DATA\51302_31\0731-15.D
Acq On : 31 Jul 2013 10:03 pm
Sample : 1307239-001A 22700
Misc : SAMP 8270D_W_PAH
MS Integration Params: events.e
Quant Time: Aug 1 8:38 2013

Vial: 15
Operator: JXS
Inst : CARTMAN
Multiplr: 1.00

Quant Results File: BN130702.RES

Method : C:\HPCHEM\1\METHODS\EP130805.M (Chemstation Integrator)
Title :
Last Update : Wed Aug 14 13:24:31 2013
Response via : Initial Calibration



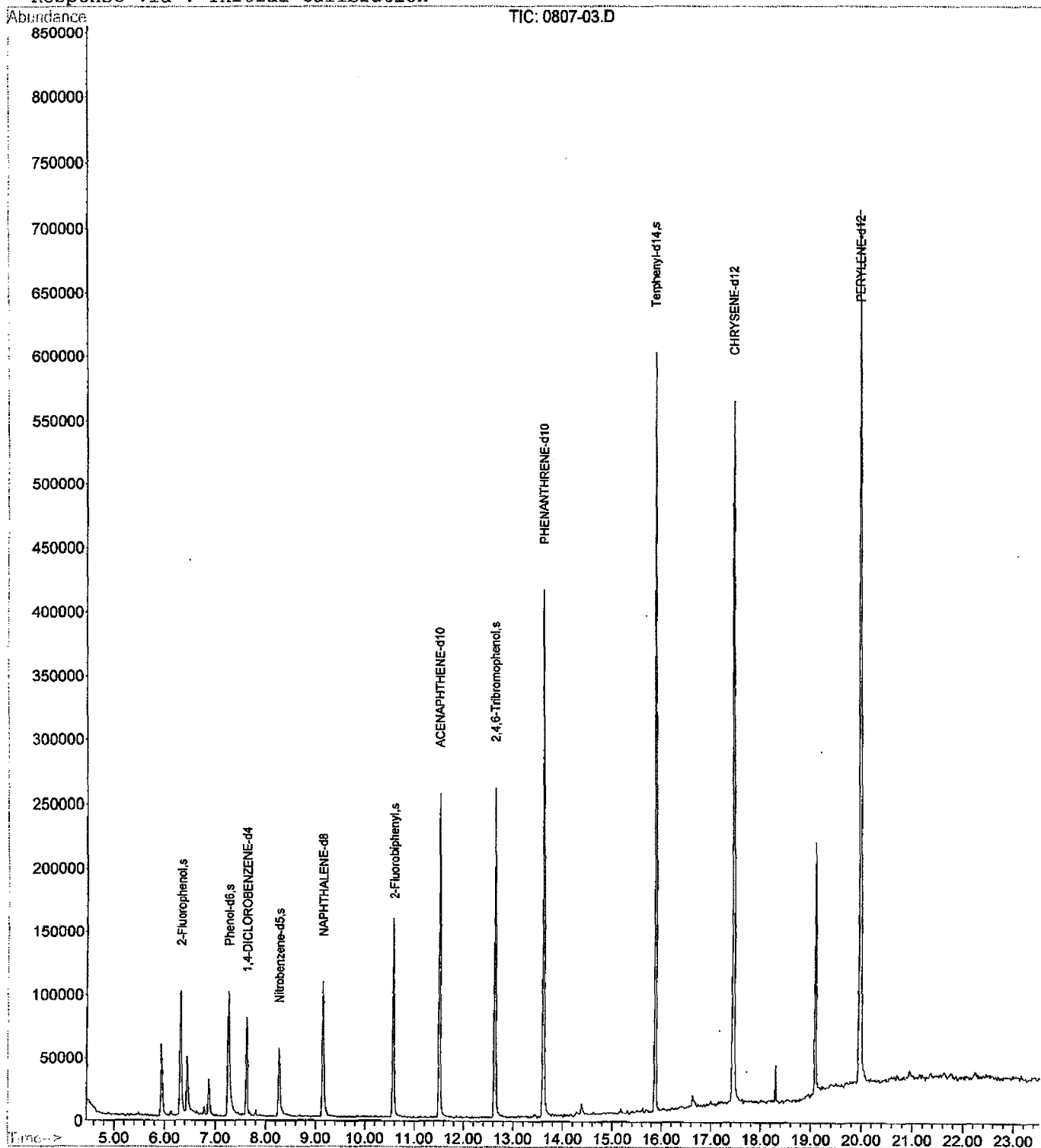
Quantitation Report

Data File : C:\HPCHEM\1\DATA\51384_07\0807-03.D
Acq On : 7 Aug 2013 1:13 pm
Sample : 1307239-002A 22697
Misc :
MS Integration Params: events.e
Quant Time: Aug 7 13:37 2013

Vial: 3
Operator: JXS
Inst : CARTMAN
Multiplr: 1.00

Quant Results File: BN130806.RES

Method : C:\HPCHEM\1\METHODS\BN130806.M (Chemstation Integrator)
Title :
Last Update : Tue Aug 06 16:45:22 2013
Response via : Initial Calibration



ANALYTICAL REPORT

Reported Date: 08-Aug-13

CLIENT: ACT Laboratory, Inc.
Lab Order: 1307239
Project: 13-3273
Lab ID: 1307239-001A

Client Sample ID: 13-3273-0727-2
Tag Number:
Collection Date: 7/26/2013 10:00:00 AM
Matrix: WATER

Date Received: 7/31/2013

Analyses Result Det. Limit Qual Units DF Date Analyzed

PAH - SW8270D

Analyst: Jsi

Prep Method: (SW3510) Prep Date: 7/31/2013 11:38:58 AM

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
2-Methylnaphthalene	ND	1.27		µg/L	1	7/31/2013 10:03:00 PM
Acenaphthene	ND	1.27		µg/L	1	7/31/2013 10:03:00 PM
Acenaphthylene	ND	1.27		µg/L	1	7/31/2013 10:03:00 PM
Anthracene	ND	1.27		µg/L	1	7/31/2013 10:03:00 PM
Benz(a)Anthracene	ND	0.253		µg/L	1	7/31/2013 10:03:00 PM
Benzo(a)Pyrene	ND	0.127		µg/L	1	7/31/2013 10:03:00 PM
Benzo(b)Fluoranthene	ND	0.633		µg/L	1	7/31/2013 10:03:00 PM
Benzo(g,h,i)Perylene	ND	1.27		µg/L	1	7/31/2013 10:03:00 PM
Benzo(k)Fluoranthene	ND	0.633		µg/L	1	7/31/2013 10:03:00 PM
Chrysene	ND	1.27		µg/L	1	7/31/2013 10:03:00 PM
Dibenz(a,h)Anthracene	ND	0.380		µg/L	1	7/31/2013 10:03:00 PM
Fluoranthene	ND	1.27		µg/L	1	7/31/2013 10:03:00 PM
Fluorene	ND	1.27		µg/L	1	7/31/2013 10:03:00 PM
Indeno(1,2,3-cd)Pyrene	ND	0.380		µg/L	1	7/31/2013 10:03:00 PM
Naphthalene	ND	1.27		µg/L	1	7/31/2013 10:03:00 PM
Phenanthrene	ND	1.27		µg/L	1	7/31/2013 10:03:00 PM
Pyrene	ND	1.27		µg/L	1	7/31/2013 10:03:00 PM
Surr: 2-Fluorobiphenyl	44.1	30-130		%REC	1	7/31/2013 10:03:00 PM
Surr: Nitrobenzene-d5	38.0	30-130		%REC	1	7/31/2013 10:03:00 PM
Surr: Terphenyl-d14	63.6	30-130		%REC	1	7/31/2013 10:03:00 PM
TIC: (1-methylethyl)-Benzene	1.43	1.27		µg/L	1	7/31/2013 10:03:00 PM
TIC: 1-Octadecene	2.73	1.27		µg/L	1	7/31/2013 10:03:00 PM
TIC: 2-Bromoquinoxaline	1.27	1.27		µg/L	1	7/31/2013 10:03:00 PM
TIC: 2-Cyclohexen-1-ol	74.9	1.27		µg/L	1	7/31/2013 10:03:00 PM
TIC: 2-Cyclohexen-1-one	58.7	1.27		µg/L	1	7/31/2013 10:03:00 PM
TIC: 3-chloro-Cyclohexene	1.98	1.27		µg/L	1	7/31/2013 10:03:00 PM
TIC: bis(2-ethylhexyl)-Hexanedioic acid	107	1.27		µg/L	1	7/31/2013 10:03:00 PM
TIC: Cyclotetradecane	1.41	1.27		µg/L	1	7/31/2013 10:03:00 PM
TIC: Hexadecane	1.28	1.27		µg/L	1	7/31/2013 10:03:00 PM

Qualifiers:
 B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.

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ANALYTICAL REPORT

Reported Date: 08-Aug-13

CLIENT: ACT Laboratory, Inc. **Client Sample ID:** 13-3273-0727-4
Lab Order: 1307239 **Tag Number:**
Project: 13-3273 **Collection Date:** 7/26/2013 10:00:00 AM
Lab ID: 1307239-002A **Date Received:** 7/31/2013 **Matrix:** SOIL

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
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PAH - SW8270D

Analyst: Jsi

Prep Method: (SW3545A) **Prep Date:** 7/31/2013 8:04:10 AM

2-Methylnaphthalene	ND	145		µg/Kg-dry	1	8/7/2013 1:13:00 PM
Acenaphthene	ND	145		µg/Kg-dry	1	8/7/2013 1:13:00 PM
Acenaphthylene	ND	145		µg/Kg-dry	1	8/7/2013 1:13:00 PM
Anthracene	ND	145		µg/Kg-dry	1	8/7/2013 1:13:00 PM
Benz(a)Anthracene	ND	14.5		µg/Kg-dry	1	8/7/2013 1:13:00 PM
Benzo(a)Pyrene	ND	14.5		µg/Kg-dry	1	8/7/2013 1:13:00 PM
Benzo(b)Fluoranthene	ND	145		µg/Kg-dry	1	8/7/2013 1:13:00 PM
Benzo(g,h,i)Perylene	ND	145		µg/Kg-dry	1	8/7/2013 1:13:00 PM
Benzo(k)Fluoranthene	ND	145		µg/Kg-dry	1	8/7/2013 1:13:00 PM
Chrysene	ND	145		µg/Kg-dry	1	8/7/2013 1:13:00 PM
Dibenz(a,h)Anthracene	ND	14.5		µg/Kg-dry	1	8/7/2013 1:13:00 PM
Fluoranthene	ND	145		µg/Kg-dry	1	8/7/2013 1:13:00 PM
Fluorene	ND	145		µg/Kg-dry	1	8/7/2013 1:13:00 PM
Indeno(1,2,3-cd)Pyrene	ND	14.5		µg/Kg-dry	1	8/7/2013 1:13:00 PM
Naphthalene	ND	145		µg/Kg-dry	1	8/7/2013 1:13:00 PM
Phenanthrene	ND	145		µg/Kg-dry	1	8/7/2013 1:13:00 PM
Pyrene	ND	145		µg/Kg-dry	1	8/7/2013 1:13:00 PM
Surr: 2-Fluorobiphenyl	30.2	30-130		%REC	1	8/7/2013 1:13:00 PM
Surr: Nitrobenzene-d5	43.8	30-130		%REC	1	8/7/2013 1:13:00 PM
Surr: Terphenyl-d14	39.5	30-130		%REC	1	8/7/2013 1:13:00 PM
TIC: (1-methylethyl)-Benzene	292	145		µg/Kg-dry	1	8/7/2013 1:13:00 PM
TIC: 2-Cyclohexen-1-ol	2510	145		µg/Kg-dry	1	8/7/2013 1:13:00 PM
TIC: 2-Cyclohexen-1-one	1340	145		µg/Kg-dry	1	8/7/2013 1:13:00 PM

Qualifiers: B Analyte detected in the associated Method Blank BRL Below Reporting Limit
E Value above quantitation range H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
S Spike Recovery outside recovery limits

ANALYTICAL REPORT

Reported Date: 08-Aug-13

CLIENT: ACT Laboratory, Inc.

Client Sample ID: 13-3273-0727-5

Lab Order: 1307239

Tag Number:

Project: 13-3273

Collection Date: 7/26/2013 3:00:00 PM

Lab ID: 1307239-003A

Date Received: 7/31/2013

Matrix: SOIL

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
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PAH - SW8270D

Analyst: Jsi

Prep Method: (SW3545A)

Prep Date: 7/31/2013 8:04:10 AM

2-Methylnaphthalene	ND	30000		µg/Kg	9	8/7/2013 2:30:00 AM
Acenaphthene	ND	30000		µg/Kg	9	8/7/2013 2:30:00 AM
Acenaphthylene	ND	30000		µg/Kg	9	8/7/2013 2:30:00 AM
Anthracene	ND	30000		µg/Kg	9	8/7/2013 2:30:00 AM
Benz(a)Anthracene	ND	3000		µg/Kg	9	8/7/2013 2:30:00 AM
Benzo(a)Pyrene	ND	3000		µg/Kg	9	8/7/2013 2:30:00 AM
Benzo(b)Fluoranthene	ND	30000		µg/Kg	9	8/7/2013 2:30:00 AM
Benzo(g,h,i)Perylene	ND	30000		µg/Kg	9	8/7/2013 2:30:00 AM
Benzo(k)Fluoranthene	ND	30000		µg/Kg	9	8/7/2013 2:30:00 AM
Chrysene	ND	30000		µg/Kg	9	8/7/2013 2:30:00 AM
Dibenz(a,h)Anthracene	ND	3000		µg/Kg	9	8/7/2013 2:30:00 AM
Fluoranthene	ND	30000		µg/Kg	9	8/7/2013 2:30:00 AM
Fluorene	ND	30000		µg/Kg	9	8/7/2013 2:30:00 AM
Indeno(1,2,3-cd)Pyrene	ND	3000		µg/Kg	9	8/7/2013 2:30:00 AM
Naphthalene	ND	30000		µg/Kg	9	8/7/2013 2:30:00 AM
Phenanthrene	ND	30000		µg/Kg	9	8/7/2013 2:30:00 AM
Pyrene	ND	30000		µg/Kg	9	8/7/2013 2:30:00 AM
Surr: 2-Fluorobiphenyl	42.3	30-130		%REC	9	8/7/2013 2:30:00 AM
Surr: Nitrobenzene-d5	34.5	30-130		%REC	9	8/7/2013 2:30:00 AM
Surr: Terphenyl-d14	48.6	30-130		%REC	9	8/7/2013 2:30:00 AM
TIC: Eicosane	286000	30000		µg/Kg	9	8/7/2013 2:30:00 AM
TIC: Heptadecane	223000	30000		µg/Kg	9	8/7/2013 2:30:00 AM
TIC: Pentacosane	287000	30000		µg/Kg	9	8/7/2013 2:30:00 AM
TIC: Tetracosane	275000	30000		µg/Kg	9	8/7/2013 2:30:00 AM
TIC: Tetradecane	227000	30000		µg/Kg	9	8/7/2013 2:30:00 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

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