



12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
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Tax I.D. 62-0814289

Est. 1970

Chris Hines  
EnCana Oil & Gas Inc. - CO  
2717 County Road 215, Suite 100  
Parachute, CO 81635

## Report Summary

Friday August 06, 2010

Report Number: L471362

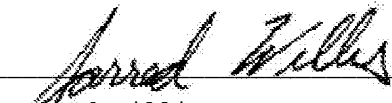
Samples Received: 07/30/10

Client Project: E34 Pit Closure

Description: E34 Pit Closure

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

  
Jarred Willis , ESC Representative

### Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487  
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140  
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233  
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REPORT OF ANALYSIS

Chris Hines  
EnCana Oil & Gas Inc. - CO  
2717 County Road 215, Suite 100  
Parachute, CO 81635

August 06, 2010

Date Received : July 30, 2010  
Description : E34 Pit Closure  
Sample ID : E34-NW BACK 072910  
Collected By : Blair Rollins  
Collection Date : 07/29/10 12:00

ESC Sample # : L471362-01

Site ID :

Project # : E34 Pit Closure

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	4.1	1.0	mg/kg	6010B	08/01/10	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 08/06/10 17:10 Printed: 08/06/10 17:11

REPORT OF ANALYSIS

Chris Hines  
EnCana Oil & Gas Inc. - CO  
2717 County Road 215, Suite 100  
Parachute, CO 81635

August 06, 2010

Date Received : July 30, 2010  
Description : E34 Pit Closure  
Sample ID : E34-SW BACK 072910  
Collected By : Blair Rollins  
Collection Date : 07/29/10 12:05

ESC Sample # : L471362-02

Site ID :

Project # : E34 Pit Closure

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chromium, Hexavalent	BDL	10.	mg/kg	3060A/7196A	08/03/10	5
Chromium, Trivalent	56.	0.50	mg/kg	Calc.	08/01/10	1
ORP	270		mV	2580	08/03/10	1
pH	7.0		su	9045D	08/03/10	1
Sodium Adsorption Ratio	0.38			Calc.	08/04/10	1
Specific Conductance	70.		umhos/cm	9050AMod	08/04/10	1
Mercury	0.027	0.020	mg/kg	7471	08/03/10	1
Arsenic	4.4	1.0	mg/kg	6010B	08/01/10	1
Barium	350	0.25	mg/kg	6010B	08/01/10	1
Cadmium	0.30	0.25	mg/kg	6010B	08/01/10	1
Chromium	56.	0.50	mg/kg	6010B	08/01/10	1
Copper	11.	1.0	mg/kg	6010B	08/01/10	1
Lead	0.78	0.25	mg/kg	6010B	08/01/10	1
Nickel	25.	1.0	mg/kg	6010B	08/01/10	1
Selenium	4.8	1.0	mg/kg	6010B	08/01/10	1
Silver	BDL	0.50	mg/kg	6010B	08/01/10	1
Zinc	39.	1.5	mg/kg	6010B	08/01/10	1
Benzene	BDL	0.0025	mg/kg	8021/8015	07/31/10	5
Toluene	BDL	0.025	mg/kg	8021/8015	07/31/10	5
Ethylbenzene	BDL	0.0025	mg/kg	8021/8015	07/31/10	5
Total Xylene	BDL	0.0075	mg/kg	8021/8015	07/31/10	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	GRO	07/31/10	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	98.3		% Rec.	8021/8015	07/31/10	5
a,a,a-Trifluorotoluene(PID)	103.		% Rec.	8021/8015	07/31/10	5
TPH (GC/FID) High Fraction	32.	4.0	mg/kg	3546/DRO	08/02/10	1
Surrogate recovery(%)						
o-Terphenyl	75.6		% Rec.	3546/DRO	08/02/10	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.0060	mg/kg	8270C-SIM	08/04/10	1
Acenaphthene	BDL	0.0060	mg/kg	8270C-SIM	08/04/10	1
Acenaphthylene	BDL	0.0060	mg/kg	8270C-SIM	08/04/10	1
Benzo(a)anthracene	BDL	0.0060	mg/kg	8270C-SIM	08/04/10	1
Benzo(a)pyrene	BDL	0.0060	mg/kg	8270C-SIM	08/04/10	1

BDL - Below Detection Limit  
Det. Limit - Practical Quantitation Limit(PQL)  
L471362-02 (PH) - 7.0@24.1c



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August 06, 2010

Date Received : July 30, 2010  
Description : E34 Pit Closure

Sample ID : E34-SW BACK 072910

Collected By : Blair Rollins  
Collection Date : 07/29/10 12:05

ESC Sample # : L471362-02

Site ID :

Project # : E34 Pit Closure

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzo(b)fluoranthene	BDL	0.0060	mg/kg	8270C-SIM	08/04/10	1
Benzo(g,h,i)perylene	BDL	0.0060	mg/kg	8270C-SIM	08/04/10	1
Benzo(k)fluoranthene	BDL	0.0060	mg/kg	8270C-SIM	08/04/10	1
Chrysene	BDL	0.0060	mg/kg	8270C-SIM	08/04/10	1
Dibenz(a,h)anthracene	BDL	0.0060	mg/kg	8270C-SIM	08/04/10	1
Fluoranthene	BDL	0.0060	mg/kg	8270C-SIM	08/04/10	1
Fluorene	BDL	0.0060	mg/kg	8270C-SIM	08/04/10	1
Indeno(1,2,3-cd)pyrene	BDL	0.0060	mg/kg	8270C-SIM	08/04/10	1
Naphthalene	BDL	0.0060	mg/kg	8270C-SIM	08/04/10	1
Phenanthrene	BDL	0.0060	mg/kg	8270C-SIM	08/04/10	1
Pyrene	BDL	0.0060	mg/kg	8270C-SIM	08/04/10	1
1-Methylnaphthalene	BDL	0.0060	mg/kg	8270C-SIM	08/04/10	1
2-Methylnaphthalene	BDL	0.0060	mg/kg	8270C-SIM	08/04/10	1
2-Chloronaphthalene	BDL	0.0060	mg/kg	8270C-SIM	08/04/10	1
Surrogate Recovery						
Nitrobenzene-d5	103.		% Rec.	8270C-SIM	08/04/10	1
2-Fluorobiphenyl	80.9		% Rec.	8270C-SIM	08/04/10	1
p-Terphenyl-d14	95.3		% Rec.	8270C-SIM	08/04/10	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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L471362-02 (PH) - 7.0@24.1c

REPORT OF ANALYSIS

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2717 County Road 215, Suite 100  
Parachute, CO 81635

August 06, 2010

Date Received : July 30, 2010  
Description : E34 Pit Closure  
Sample ID : E34-S. PIT 072910  
Collected By : Blair Rollins  
Collection Date : 07/29/10 12:25

ESC Sample # : L471362-03

Site ID :

Project # : E34 Pit Closure

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chromium, Hexavalent	BDL	2.0	mg/kg	3060A/7196A	08/03/10	1
Chromium, Trivalent	54.	0.50	mg/kg	Calc.	08/01/10	1
ORP	190		mV	2580	08/03/10	1
pH	8.2		su	9045D	08/03/10	1
Sodium Adsorption Ratio	20.			Calc.	08/04/10	1
Specific Conductance	1100		umhos/cm	9050AMod	08/04/10	1
Mercury	BDL	0.020	mg/kg	7471	08/03/10	1
Arsenic	2.2	1.0	mg/kg	6010B	08/01/10	1
Barium	350	0.25	mg/kg	6010B	08/01/10	1
Cadmium	BDL	0.25	mg/kg	6010B	08/01/10	1
Chromium	54.	0.50	mg/kg	6010B	08/01/10	1
Copper	8.3	1.0	mg/kg	6010B	08/01/10	1
Lead	9.6	0.25	mg/kg	6010B	08/01/10	1
Nickel	20.	1.0	mg/kg	6010B	08/01/10	1
Selenium	1.6	1.0	mg/kg	6010B	08/01/10	1
Silver	BDL	0.50	mg/kg	6010B	08/01/10	1
Zinc	31.	1.5	mg/kg	6010B	08/01/10	1
Benzene	BDL	0.0025	mg/kg	8021/8015	07/31/10	5
Toluene	BDL	0.025	mg/kg	8021/8015	07/31/10	5
Ethylbenzene	0.0044	0.0025	mg/kg	8021/8015	07/31/10	5
Total Xylene	0.020	0.0075	mg/kg	8021/8015	07/31/10	5
TPH (GC/FID) Low Fraction	12.	0.50	mg/kg	GRO	07/31/10	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	97.7		% Rec.	8021/8015	07/31/10	5
a,a,a-Trifluorotoluene(PID)	103.		% Rec.	8021/8015	07/31/10	5
TPH (GC/FID) High Fraction	1200	80.	mg/kg	3546/DRO	08/02/10	20
Surrogate recovery(%)						
o-Terphenyl	0.00		% Rec.	3546/DRO	08/02/10	20
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.060	mg/kg	8270C-SIM	08/06/10	10
Acenaphthene	BDL	0.060	mg/kg	8270C-SIM	08/06/10	10
Acenaphthylene	BDL	0.060	mg/kg	8270C-SIM	08/06/10	10
Benzo(a)anthracene	BDL	0.060	mg/kg	8270C-SIM	08/06/10	10
Benzo(a)pyrene	BDL	0.060	mg/kg	8270C-SIM	08/06/10	10

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

L471362-03 (CR6) - diluted due to dark sample, used sample blank

L471362-03 (SV8270PAHSIM) - Previous run also had high SURR recovery. Matrix effect. Diluted due to mat

L471362-03 (PH) - 8.2@24.3c



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Parachute, CO 81635

August 06, 2010

Date Received : July 30, 2010  
Description : E34 Pit Closure

Sample ID : E34-S. PIT 072910

Collected By : Blair Rollins  
Collection Date : 07/29/10 12:25

ESC Sample # : L471362-03

Site ID :

Project # : E34 Pit Closure

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzo(b)fluoranthene	BDL	0.060	mg/kg	8270C-SIM	08/06/10	10
Benzo(g,h,i)perylene	BDL	0.060	mg/kg	8270C-SIM	08/06/10	10
Benzo(k)fluoranthene	BDL	0.060	mg/kg	8270C-SIM	08/06/10	10
Chrysene	BDL	0.060	mg/kg	8270C-SIM	08/06/10	10
Dibenz(a,h)anthracene	BDL	0.060	mg/kg	8270C-SIM	08/06/10	10
Fluoranthene	BDL	0.060	mg/kg	8270C-SIM	08/06/10	10
Fluorene	BDL	0.060	mg/kg	8270C-SIM	08/06/10	10
Indeno(1,2,3-cd)pyrene	BDL	0.060	mg/kg	8270C-SIM	08/06/10	10
Naphthalene	BDL	0.060	mg/kg	8270C-SIM	08/06/10	10
Phenanthrene	BDL	0.060	mg/kg	8270C-SIM	08/06/10	10
Pyrene	BDL	0.060	mg/kg	8270C-SIM	08/06/10	10
1-Methylnaphthalene	BDL	0.060	mg/kg	8270C-SIM	08/06/10	10
2-Methylnaphthalene	BDL	0.060	mg/kg	8270C-SIM	08/06/10	10
2-Chloronaphthalene	BDL	0.060	mg/kg	8270C-SIM	08/06/10	10
Surrogate Recovery						
Nitrobenzene-d5	418.		% Rec.	8270C-SIM	08/06/10	10
2-Fluorobiphenyl	105.		% Rec.	8270C-SIM	08/06/10	10
p-Terphenyl-d14	104.		% Rec.	8270C-SIM	08/06/10	10

BDL - Below Detection Limit

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L471362-03 (CR6) - diluted due to dark sample, used sample blank

L471362-03 (SV8270PAHSIM) - Previous run also had high SURR recovery. Matrix effect. Diluted due to mat

L471362-03 (PH) - 8.2@24.3c

REPORT OF ANALYSIS

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2717 County Road 215, Suite 100  
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August 06, 2010

Date Received : July 30, 2010  
Description : E34 Pit Closure  
Sample ID : E34-N. PIT 072910  
Collected By : Blair Rollins  
Collection Date : 07/29/10 13:30

ESC Sample # : L471362-04

Site ID :

Project # : E34 Pit Closure

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chromium, Hexavalent	BDL	2.0	mg/kg	3060A/7196A	08/03/10	1
Chromium, Trivalent	20.	0.50	mg/kg	Calc.	08/01/10	1
ORP	340		mV	2580	08/03/10	1
pH	12.		su	9045D	08/03/10	1
Sodium Adsorption Ratio	26.			Calc.	08/04/10	1
Specific Conductance	3600		umhos/cm	9050AMod	08/04/10	1
Mercury	0.021	0.020	mg/kg	7471	08/03/10	1
Arsenic	8.7	5.0	mg/kg	6010B	08/01/10	5
Barium	5400	0.25	mg/kg	6010B	08/01/10	1
Cadmium	0.92	0.25	mg/kg	6010B	08/01/10	1
Chromium	20.	0.50	mg/kg	6010B	08/01/10	1
Copper	15.	1.0	mg/kg	6010B	08/01/10	1
Lead	53.	1.2	mg/kg	6010B	08/01/10	5
Nickel	13.	1.0	mg/kg	6010B	08/01/10	1
Selenium	BDL	5.0	mg/kg	6010B	08/01/10	5
Silver	BDL	0.50	mg/kg	6010B	08/01/10	1
Zinc	67.	7.5	mg/kg	6010B	08/01/10	5
Benzene	0.084	0.0025	mg/kg	8021/8015	07/31/10	5
Toluene	0.19	0.025	mg/kg	8021/8015	07/31/10	5
Ethylbenzene	0.021	0.0025	mg/kg	8021/8015	07/31/10	5
Total Xylene	0.30	0.0075	mg/kg	8021/8015	07/31/10	5
TPH (GC/FID) Low Fraction	7.6	0.50	mg/kg	GRO	07/31/10	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	97.5		% Rec.	8021/8015	07/31/10	5
a,a,a-Trifluorotoluene(PID)	103.		% Rec.	8021/8015	07/31/10	5
TPH (GC/FID) High Fraction	3700	80.	mg/kg	3546/DRO	08/03/10	20
Surrogate recovery(%)						
o-Terphenyl	0.00		% Rec.	3546/DRO	08/03/10	20
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.12	mg/kg	8270C-SIM	08/03/10	20
Acenaphthene	0.18	0.12	mg/kg	8270C-SIM	08/03/10	20
Acenaphthylene	BDL	0.12	mg/kg	8270C-SIM	08/03/10	20
Benzo(a)anthracene	BDL	0.12	mg/kg	8270C-SIM	08/03/10	20
Benzo(a)pyrene	BDL	0.12	mg/kg	8270C-SIM	08/03/10	20

BDL - Below Detection Limit  
Det. Limit - Practical Quantitation Limit(PQL)  
L471362-04 (PH) - 12.0@24.0c



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August 06, 2010

Date Received : July 30, 2010  
Description : E34 Pit Closure

Sample ID : E34-N. PIT 072910

Collected By : Blair Rollins  
Collection Date : 07/29/10 13:30

ESC Sample # : L471362-04

Site ID :

Project # : E34 Pit Closure

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzo(b)fluoranthene	BDL	0.12	mg/kg	8270C-SIM	08/03/10	20
Benzo(g,h,i)perylene	BDL	0.12	mg/kg	8270C-SIM	08/03/10	20
Benzo(k)fluoranthene	BDL	0.12	mg/kg	8270C-SIM	08/03/10	20
Chrysene	BDL	0.12	mg/kg	8270C-SIM	08/03/10	20
Dibenz(a,h)anthracene	BDL	0.12	mg/kg	8270C-SIM	08/03/10	20
Fluoranthene	BDL	0.12	mg/kg	8270C-SIM	08/03/10	20
Fluorene	0.78	0.12	mg/kg	8270C-SIM	08/03/10	20
Indeno(1,2,3-cd)pyrene	BDL	0.12	mg/kg	8270C-SIM	08/03/10	20
Naphthalene	0.81	0.12	mg/kg	8270C-SIM	08/03/10	20
Phenanthrene	0.52	0.12	mg/kg	8270C-SIM	08/03/10	20
Pyrene	BDL	0.12	mg/kg	8270C-SIM	08/03/10	20
1-Methylnaphthalene	1.0	0.12	mg/kg	8270C-SIM	08/03/10	20
2-Methylnaphthalene	3.4	0.12	mg/kg	8270C-SIM	08/03/10	20
2-Chloronaphthalene	BDL	0.12	mg/kg	8270C-SIM	08/03/10	20
Surrogate Recovery						
Nitrobenzene-d5	0.00		% Rec.	8270C-SIM	08/03/10	20
2-Fluorobiphenyl	0.00		% Rec.	8270C-SIM	08/03/10	20
p-Terphenyl-d14	0.00		% Rec.	8270C-SIM	08/03/10	20

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Det. Limit - Practical Quantitation Limit(PQL)

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L471362-04 (PH) - 12.0@24.0c



Attachment A  
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L471362-03	WG492100	SAMP	Anthracene	R1318649	O
	WG492100	SAMP	Acenaphthene	R1318649	O
	WG492100	SAMP	Acenaphthylene	R1318649	O
	WG492100	SAMP	Benzo(a)anthracene	R1318649	O
	WG492100	SAMP	Benzo(a)pyrene	R1318649	O
	WG492100	SAMP	Benzo(b)fluoranthene	R1318649	O
	WG492100	SAMP	Benzo(g,h,i)perylene	R1318649	O
	WG492100	SAMP	Benzo(k)fluoranthene	R1318649	O
	WG492100	SAMP	Chrysene	R1318649	O
	WG492100	SAMP	Dibenz(a,h)anthracene	R1318649	O
	WG492100	SAMP	Fluoranthene	R1318649	O
	WG492100	SAMP	Fluorene	R1318649	O
	WG492100	SAMP	Indeno(1,2,3-cd)pyrene	R1318649	O
	WG492100	SAMP	Naphthalene	R1318649	O
	WG492100	SAMP	Phenanthrene	R1318649	O
	WG492100	SAMP	Pyrene	R1318649	O
	WG492100	SAMP	1-Methylnaphthalene	R1318649	O
	WG492100	SAMP	2-Methylnaphthalene	R1318649	O
	WG492100	SAMP	2-Chloronaphthalene	R1318649	O
	WG492100	SAMP	Nitrobenzene-d5	R1318649	J1
L471362-04	WG491253	SAMP	o-Terphenyl	R1309288	J7
	WG491238	SAMP	Selenium	R1307316	O
	WG491255	SAMP	Nitrobenzene-d5	R1307009	J7
	WG491255	SAMP	2-Fluorobiphenyl	R1307009	J7
	WG491255	SAMP	p-Terphenyl-d14	R1307009	J7
	WG491253	SAMP	o-Terphenyl	R1309288	J7

Attachment B  
Explanation of QC Qualifier Codes

Qualifier	Meaning
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits
J7	Surrogate recovery limits cannot be evaluated; surrogates were diluted out
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed  
08/06/10 at 17:11:15

TSR Signing Reports: 358  
R4 - Rush: Three Day

Create p-key for each project, and enter "project description" as Project Number and Project Name. Log all samples to separate L#s. Log all PAHs as SV8270PAHSIM. Log all BTEX samples by 8021.

Sample: L471362-01 Account: ENCANACO Received: 07/30/10 09:00 Due Date: 08/05/10 00:00 RPT Date: 08/06/10 17:10

Sample: L471362-02 Account: ENCANACO Received: 07/30/10 09:00 Due Date: 08/05/10 00:00 RPT Date: 08/06/10 17:10

Sample: L471362-03 Account: ENCANACO Received: 07/30/10 09:00 Due Date: 08/05/10 00:00 RPT Date: 08/06/10 17:10

Sample: L471362-04 Account: ENCANACO Received: 07/30/10 09:00 Due Date: 08/05/10 00:00 RPT Date: 08/06/10 17:10



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Quality Assurance Report  
Level II

L471362

12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

August 06, 2010

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .0005	mg/kg			WG491279	07/31/10 05:03
Ethylbenzene	< .0005	mg/kg			WG491279	07/31/10 05:03
Toluene	< .005	mg/kg			WG491279	07/31/10 05:03
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG491279	07/31/10 05:03
Total Xylene	< .0015	mg/kg			WG491279	07/31/10 05:03
a,a,a-Trifluorotoluene(FID)		% Rec.	100.2	59-128	WG491279	07/31/10 05:03
a,a,a-Trifluorotoluene(PID)		% Rec.	104.5	54-144	WG491279	07/31/10 05:03
1-Methylnaphthalene	< .006	mg/kg			WG491255	08/01/10 11:05
2-Chloronaphthalene	< .006	mg/kg			WG491255	08/01/10 11:05
2-Methylnaphthalene	< .006	mg/kg			WG491255	08/01/10 11:05
Acenaphthene	< .006	mg/kg			WG491255	08/01/10 11:05
Acenaphthylene	< .006	mg/kg			WG491255	08/01/10 11:05
Anthracene	< .006	mg/kg			WG491255	08/01/10 11:05
Benzo(a)anthracene	< .006	mg/kg			WG491255	08/01/10 11:05
Benzo(a)pyrene	< .006	mg/kg			WG491255	08/01/10 11:05
Benzo(b)fluoranthene	< .006	mg/kg			WG491255	08/01/10 11:05
Benzo(g,h,i)perylene	< .006	mg/kg			WG491255	08/01/10 11:05
Benzo(k)fluoranthene	< .006	mg/kg			WG491255	08/01/10 11:05
Chrysene	< .006	mg/kg			WG491255	08/01/10 11:05
Dibenz(a,h)anthracene	< .006	mg/kg			WG491255	08/01/10 11:05
Fluoranthene	< .006	mg/kg			WG491255	08/01/10 11:05
Fluorene	< .006	mg/kg			WG491255	08/01/10 11:05
Indeno(1,2,3-cd)pyrene	< .006	mg/kg			WG491255	08/01/10 11:05
Naphthalene	< .006	mg/kg			WG491255	08/01/10 11:05
Phenanthrene	< .006	mg/kg			WG491255	08/01/10 11:05
Pyrene	< .006	mg/kg			WG491255	08/01/10 11:05
2-Fluorobiphenyl		% Rec.	73.36	21-120	WG491255	08/01/10 11:05
Nitrobenzene-d5		% Rec.	62.62	33-114	WG491255	08/01/10 11:05
p-Terphenyl-d14		% Rec.	100.1	18-142	WG491255	08/01/10 11:05
Arsenic	< 1	mg/kg			WG491238	08/01/10 17:26
Barium	< .25	mg/kg			WG491238	08/01/10 17:26
Cadmium	< .25	mg/kg			WG491238	08/01/10 17:26
Chromium	< .5	mg/kg			WG491238	08/01/10 17:26
Copper	< 1	mg/kg			WG491238	08/01/10 17:26
Lead	< .25	mg/kg			WG491238	08/01/10 17:26
Nickel	< 1	mg/kg			WG491238	08/01/10 17:26
Selenium	< 1	mg/kg			WG491238	08/01/10 17:26
Silver	< .5	mg/kg			WG491238	08/01/10 17:26
Zinc	< 1.5	mg/kg			WG491238	08/01/10 17:26
TPH (GC/FID) High Fraction	< 4	ppm			WG491253	08/02/10 14:21
o-Terphenyl		% Rec.	80.11	50-150	WG491253	08/02/10 14:21
Mercury	< .02	mg/kg			WG491179	08/03/10 09:09
pH	6.50	su			WG491330	08/03/10 15:52
Chromium,Hexavalent	< 2	mg/kg			WG491136	08/03/10 16:21
Specific Conductance	2.05	umhos/cm			WG491636	08/04/10 15:00

\* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Tax I.D. 62-0814289

Est. 1970

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Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
1-Methylnaphthalene	< .006	mg/kg			WG492100	08/05/10 16:25
2-Chloronaphthalene	< .006	mg/kg			WG492100	08/05/10 16:25
2-Methylnaphthalene	< .006	mg/kg			WG492100	08/05/10 16:25
Acenaphthene	< .006	mg/kg			WG492100	08/05/10 16:25
Acenaphthylene	< .006	mg/kg			WG492100	08/05/10 16:25
Anthracene	< .006	mg/kg			WG492100	08/05/10 16:25
Benzo(a)anthracene	< .006	mg/kg			WG492100	08/05/10 16:25
Benzo(a)pyrene	< .006	mg/kg			WG492100	08/05/10 16:25
Benzo(b)fluoranthene	< .006	mg/kg			WG492100	08/05/10 16:25
Benzo(g,h,i)perylene	< .006	mg/kg			WG492100	08/05/10 16:25
Benzo(k)fluoranthene	< .006	mg/kg			WG492100	08/05/10 16:25
Chrysene	< .006	mg/kg			WG492100	08/05/10 16:25
Dibenz(a,h)anthracene	< .006	mg/kg			WG492100	08/05/10 16:25
Fluoranthene	< .006	mg/kg			WG492100	08/05/10 16:25
Fluorene	< .006	mg/kg			WG492100	08/05/10 16:25
Indeno(1,2,3-cd)pyrene	< .006	mg/kg			WG492100	08/05/10 16:25
Naphthalene	< .006	mg/kg			WG492100	08/05/10 16:25
Phenanthrene	< .006	mg/kg			WG492100	08/05/10 16:25
Pyrene	< .006	mg/kg			WG492100	08/05/10 16:25
2-Fluorobiphenyl		% Rec.	117.2	21-120	WG492100	08/05/10 16:25
Nitrobenzene-d5		% Rec.	113.1	33-114	WG492100	08/05/10 16:25
p-Terphenyl-d14		% Rec.	107.5	18-142	WG492100	08/05/10 16:25

Analyte	Units	Result	Duplicate		RPD	Limit	Ref Samp	Batch
			Duplicate					
Arsenic	mg/kg	9.40	9.00	3.92	20		L471390-04	WG491238
Barium	mg/kg	130.	120.	8.00	20		L471390-04	WG491238
Cadmium	mg/kg	0.410	0.390	4.02	20		L471390-04	WG491238
Chromium	mg/kg	13.0	13.0	3.03	20		L471390-04	WG491238
Copper	mg/kg	17.0	16.5	4.15	20		L471390-04	WG491238
Lead	mg/kg	24.0	20.0	19.8	20		L471390-04	WG491238
Nickel	mg/kg	18.0	18.3	1.65	20		L471390-04	WG491238
Selenium	mg/kg	3.60	4.40	18.6	20		L471390-04	WG491238
Silver	mg/kg	0	0	0	20		L471390-04	WG491238
Zinc	mg/kg	56.0	58.0	2.62	20		L471390-04	WG491238
Mercury	mg/kg	0.0320	0.0330	2.45	20		L471200-04	WG491179
pH	su	7.10	7.10	0	1		L471213-01	WG491330
pH	su	0	0	0	1		L471427-01	WG491330
Chromium,Hexavalent	mg/kg	0	0	0	20		L471047-01	WG491136
Chromium,Hexavalent	mg/kg	0	0	0	20		L471362-04	WG491136
ORP	mV	220.	220.	0	20		L471045-01	WG491167
ORP	mV	200.	200.	1.49	20		L471333-01	WG491167
Specific Conductance	umhos/cm	3700	3640	2.17	20		L471362-04	WG491636

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/kg	.05	0.0527	105.	76-113	WG491279

\* Performance of this Analyte is outside of established criteria.  
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Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Ethylbenzene	mg/kg	.05	0.0534	107.	78-115	WG491279
Toluene	mg/kg	.05	0.0534	107.	76-114	WG491279
Total Xylene	mg/kg	.15	0.166	111.	81-118	WG491279
a,a,a-Trifluorotoluene(FID)				99.70	59-128	WG491279
a,a,a-Trifluorotoluene(PID)				103.0	54-144	WG491279
TPH (GC/FID) Low Fraction	mg/kg	5.5	6.00	109.	67-135	WG491279
a,a,a-Trifluorotoluene(FID)				94.17	59-128	WG491279
a,a,a-Trifluorotoluene(PID)				107.7	54-144	WG491279
1-Methylnaphthalene	mg/kg	.033	0.0254	77.1	41-110	WG491255
2-Chloronaphthalene	mg/kg	.033	0.0264	80.1	43-109	WG491255
2-Methylnaphthalene	mg/kg	.033	0.0259	78.4	38-104	WG491255
Acenaphthene	mg/kg	.033	0.0246	74.5	48-103	WG491255
Acenaphthylene	mg/kg	.033	0.0237	71.7	43-106	WG491255
Anthracene	mg/kg	.033	0.0247	74.9	51-110	WG491255
Benzo(a)anthracene	mg/kg	.033	0.0253	76.7	38-126	WG491255
Benzo(a)pyrene	mg/kg	.033	0.0223	67.5	47-118	WG491255
Benzo(b)fluoranthene	mg/kg	.033	0.0223	67.4	47-118	WG491255
Benzo(g,h,i)perylene	mg/kg	.033	0.0225	68.1	40-125	WG491255
Benzo(k)fluoranthene	mg/kg	.033	0.0273	82.6	45-121	WG491255
Chrysene	mg/kg	.033	0.0248	75.2	35-135	WG491255
Dibenz(a,h)anthracene	mg/kg	.033	0.0222	67.4	41-124	WG491255
Fluoranthene	mg/kg	.033	0.0222	67.2	50-114	WG491255
Fluorene	mg/kg	.033	0.0247	74.8	49-109	WG491255
Indeno(1,2,3-cd)pyrene	mg/kg	.033	0.0222	67.1	40-126	WG491255
Naphthalene	mg/kg	.033	0.0253	76.8	36-100	WG491255
Phenanthrene	mg/kg	.033	0.0242	73.4	46-108	WG491255
Pyrene	mg/kg	.033	0.0263	79.6	30-136	WG491255
2-Fluorobiphenyl				94.93	21-120	WG491255
Nitrobenzene-d5				83.61	33-114	WG491255
p-Terphenyl-d14				105.2	18-142	WG491255
Arsenic	mg/kg	192	167.	87.0	78.6-120.8	WG491238
Barium	mg/kg	420	392.	93.3	78.8-121.4	WG491238
Cadmium	mg/kg	70.1	62.7	89.4	78.5-121.5	WG491238
Chromium	mg/kg	168	157.	93.5	80.4-120.2	WG491238
Copper	mg/kg	122	114.	93.4	81.6-119.7	WG491238
Lead	mg/kg	113	93.4	82.7	77.3-122.1	WG491238
Nickel	mg/kg	74.1	75.4	102.	78.8-121.2	WG491238
Selenium	mg/kg	176	159.	90.3	75.6-125.0	WG491238
Silver	mg/kg	115	105.	91.3	66-133.9	WG491238
Zinc	mg/kg	437	394.	90.2	78.5-121.7	WG491238
TPH (GC/FID) High Fraction	ppm	60	49.7	82.8	50-150	WG491253
o-Terphenyl				101.9	50-150	WG491253
Mercury	mg/kg	8.77	10.4	119.	71.6-127.7	WG491179
pH	su	9.68	9.60	99.2	98.9-102.0	WG491330
Chromium,Hexavalent	mg/kg	100	95.5	95.5	50-143	WG491136

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Analyte	Units	Laboratory Control		Sample	% Rec	Limit	Batch
		Known	Val	Result			
ORP	mV	229		220.	96.1	95.6-104.37	WG491167
Specific Conductance	umhos/cm	406		425.	105.	85-115	WG491636
1-Methylnaphthalene	mg/kg	.033		0.0294	89.2	41-110	WG492100
2-Chloronaphthalene	mg/kg	.033		0.0281	85.1	43-109	WG492100
2-Methylnaphthalene	mg/kg	.033		0.0294	89.2	38-104	WG492100
Acenaphthene	mg/kg	.033		0.0319	96.7	48-103	WG492100
Acenaphthylene	mg/kg	.033		0.0329	99.7	43-106	WG492100
Anthracene	mg/kg	.033		0.0307	93.2	51-110	WG492100
Benzo(a)anthracene	mg/kg	.033		0.0341	103.	38-126	WG492100
Benzo(a)pyrene	mg/kg	.033		0.0323	97.9	47-118	WG492100
Benzo(b)fluoranthene	mg/kg	.033		0.0300	91.0	47-118	WG492100
Benzo(g,h,i)perylene	mg/kg	.033		0.0362	110.	40-125	WG492100
Benzo(k)fluoranthene	mg/kg	.033		0.0347	105.	45-121	WG492100
Chrysene	mg/kg	.033		0.0334	101.	35-135	WG492100
Dibenz(a,h)anthracene	mg/kg	.033		0.0349	106.	41-124	WG492100
Fluoranthene	mg/kg	.033		0.0371	112.	50-114	WG492100
Fluorene	mg/kg	.033		0.0315	95.4	49-109	WG492100
Indeno(1,2,3-cd)pyrene	mg/kg	.033		0.0352	107.	40-126	WG492100
Naphthalene	mg/kg	.033		0.0292	88.4	36-100	WG492100
Phenanthrene	mg/kg	.033		0.0311	94.4	46-108	WG492100
Pyrene	mg/kg	.033		0.0298	90.3	30-136	WG492100
2-Fluorobiphenyl					122.4*	21-120	WG492100
Nitrobenzene-d5					104.3	33-114	WG492100
p-Terphenyl-d14					112.2	18-142	WG492100

Analyte	Units	Laboratory Control		Sample Duplicate	Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/kg	0.0518	0.0527	104.	76-113	1.63	20	WG491279
Ethylbenzene	mg/kg	0.0527	0.0534	105.	78-115	1.42	20	WG491279
Toluene	mg/kg	0.0522	0.0534	104.	76-114	2.25	20	WG491279
Total Xylene	mg/kg	0.164	0.166	109.	81-118	1.41	20	WG491279
a,a,a-Trifluorotoluene(FID)				98.76	59-128			WG491279
a,a,a-Trifluorotoluene(PID)				102.0	54-144			WG491279
TPH (GC/FID) Low Fraction	mg/kg	6.29	6.00	114.	67-135	4.68	20	WG491279
a,a,a-Trifluorotoluene(FID)				96.42	59-128			WG491279
a,a,a-Trifluorotoluene(PID)				108.4	54-144			WG491279
1-Methylnaphthalene	mg/kg	0.0260	0.0254	79.0	41-110	2.29	24	WG491255
2-Chloronaphthalene	mg/kg	0.0267	0.0264	81.0	43-109	0.895	21	WG491255
2-Methylnaphthalene	mg/kg	0.0253	0.0259	77.0	38-104	2.12	24	WG491255
Acenaphthene	mg/kg	0.0249	0.0246	76.0	48-103	1.41	20	WG491255
Acenaphthylene	mg/kg	0.0240	0.0237	73.0	43-106	1.34	20	WG491255
Anthracene	mg/kg	0.0249	0.0247	75.0	51-110	0.737	22	WG491255
Benzo(a)anthracene	mg/kg	0.0247	0.0253	75.0	38-126	2.31	20	WG491255
Benzo(a)pyrene	mg/kg	0.0234	0.0223	71.0	47-118	4.97	20	WG491255
Benzo(b)fluoranthene	mg/kg	0.0239	0.0223	72.0	47-118	7.13	29	WG491255
Benzo(g,h,i)perylene	mg/kg	0.0223	0.0225	68.0	40-125	0.652	20	WG491255
Benzo(k)fluoranthene	mg/kg	0.0297	0.0273	90.0	45-121	8.41	31	WG491255
Chrysene	mg/kg	0.0267	0.0248	81.0	35-135	7.45	20	WG491255
Dibenz(a,h)anthracene	mg/kg	0.0220	0.0222	67.0	41-124	0.938	20	WG491255
Fluoranthene	mg/kg	0.0269	0.0222	81.0	50-114	19.3	20	WG491255
Fluorene	mg/kg	0.0248	0.0247	75.0	49-109	0.493	19	WG491255
Indeno(1,2,3-cd)pyrene	mg/kg	0.0219	0.0222	66.0	40-126	0.976	20	WG491255

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Analyte	Units	Laboratory Control		Sample Duplicate		Limit	RPD	Limit	Batch
		Result	Ref	%Rec					
Naphthalene	mg/kg	0.0255	0.0253	77.0		36-100	0.748	24	WG491255
Phenanthrene	mg/kg	0.0241	0.0242	73.0		46-108	0.469	21	WG491255
Pyrene	mg/kg	0.0254	0.0263	77.0		30-136	3.24	20	WG491255
2-Fluorobiphenyl				102.8		21-120			WG491255
Nitrobenzene-d5				87.80		33-114			WG491255
p-Terphenyl-d14				114.6		18-142			WG491255
TPH (GC/FID) High Fraction	ppm	48.1	49.7	80.0		50-150	3.19	25	WG491253
o-Terphenyl				97.19		50-150			WG491253
pH	su	9.60	9.60	99.0		98.9-102.0	0	20	WG491330
Chromium, Hexavalent	mg/kg	95.0	95.5	95.0		50-143	0.525	20	WG491136
ORP	mV	220.	220.	96.0		95.6-104.37	0	20	WG491167
Specific Conductance	umhos/	425.	425.	105.		85-115	0	20	WG491636
1-Methylnaphthalene	mg/kg	0.0327	0.0294	99.0		41-110	10.6	24	WG492100
2-Chloronaphthalene	mg/kg	0.0306	0.0281	93.0		43-109	8.65	21	WG492100
2-Methylnaphthalene	mg/kg	0.0327	0.0294	99.0		38-104	10.4	24	WG492100
Acenaphthene	mg/kg	0.0339	0.0319	103.		48-103	6.12	20	WG492100
Acenaphthylene	mg/kg	0.0345	0.0329	104.		43-106	4.71	20	WG492100
Anthracene	mg/kg	0.0325	0.0307	98.0		51-110	5.50	22	WG492100
Benzo(a)anthracene	mg/kg	0.0365	0.0341	110.		38-126	6.76	20	WG492100
Benzo(a)pyrene	mg/kg	0.0338	0.0323	102.		47-118	4.51	20	WG492100
Benzo(b)fluoranthene	mg/kg	0.0342	0.0300	104.		47-118	13.1	29	WG492100
Benzo(g,h,i)perylene	mg/kg	0.0368	0.0362	111.		40-125	1.52	20	WG492100
Benzo(k)fluoranthene	mg/kg	0.0338	0.0347	102.		45-121	2.54	31	WG492100
Chrysene	mg/kg	0.0350	0.0334	106.		35-135	4.62	20	WG492100
Dibenz(a,h)anthracene	mg/kg	0.0357	0.0349	108.		41-124	2.41	20	WG492100
Fluoranthene	mg/kg	0.0351	0.0371	106.		50-114	5.57	20	WG492100
Fluorene	mg/kg	0.0341	0.0315	103.		49-109	7.93	19	WG492100
Indeno(1,2,3-cd)pyrene	mg/kg	0.0358	0.0352	108.		40-126	1.79	20	WG492100
Naphthalene	mg/kg	0.0316	0.0292	96.0		36-100	8.15	24	WG492100
Phenanthrene	mg/kg	0.0332	0.0311	100.		46-108	6.27	21	WG492100
Pyrene	mg/kg	0.0344	0.0298	104.		30-136	14.5	20	WG492100
2-Fluorobiphenyl				106.8		21-120			WG492100
Nitrobenzene-d5				123.6*		33-114			WG492100
p-Terphenyl-d14				120.9		18-142			WG492100

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
Benzene	mg/kg	0.239	0	.05	95.6	32-137	L471362-02	WG491279
Ethylbenzene	mg/kg	0.224	0	.05	89.7	10-150	L471362-02	WG491279
Toluene	mg/kg	0.233	0	.05	93.4	20-142	L471362-02	WG491279
Total Xylene	mg/kg	0.701	0	.15	93.4	16-141	L471362-02	WG491279
a,a,a-Trifluorotoluene(FID)					97.83	59-128		WG491279
a,a,a-Trifluorotoluene(PID)					101.6	54-144		WG491279
TPH (GC/FID) Low Fraction	mg/kg	25.2	0	5.5	91.6	55-109	L471362-02	WG491279
a,a,a-Trifluorotoluene(FID)					93.28	59-128		WG491279
a,a,a-Trifluorotoluene(PID)					106.1	54-144		WG491279

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Est. 1970

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Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
1-Methylnaphthalene	mg/kg	0.0337	0	.033	102.	19-131	L471241-05	WG491255
2-Chloronaphthalene	mg/kg	0.0342	0	.033	104.	38-117	L471241-05	WG491255
2-Methylnaphthalene	mg/kg	0.0345	0	.033	104.	18-125	L471241-05	WG491255
Acenaphthene	mg/kg	0.0323	0	.033	98.0	31-120	L471241-05	WG491255
Acenaphthylene	mg/kg	0.0314	0	.033	95.2	34-116	L471241-05	WG491255
Anthracene	mg/kg	0.0316	0	.033	95.7	32-131	L471241-05	WG491255
Benzo(a)anthracene	mg/kg	0.0318	0	.033	96.4	32-131	L471241-05	WG491255
Benzo(a)pyrene	mg/kg	0.0311	0	.033	94.2	28-130	L471241-05	WG491255
Benzo(b)fluoranthene	mg/kg	0.0293	0	.033	88.7	37-130	L471241-05	WG491255
Benzo(g,h,i)perylene	mg/kg	0.0366	0	.033	111.	10-134	L471241-05	WG491255
Benzo(k)fluoranthene	mg/kg	0.0325	0	.033	98.5	31-129	L471241-05	WG491255
Chrysene	mg/kg	0.0319	0	.033	96.8	25-137	L471241-05	WG491255
Dibenz(a,h)anthracene	mg/kg	0.0341	0	.033	103.	20-134	L471241-05	WG491255
Fluoranthene	mg/kg	0.0286	0	.033	86.6	27-138	L471241-05	WG491255
Fluorene	mg/kg	0.0313	0	.033	94.9	26-136	L471241-05	WG491255
Indeno(1,2,3-cd)pyrene	mg/kg	0.0349	0	.033	106.	16-135	L471241-05	WG491255
Naphthalene	mg/kg	0.0330	0	.033	100.	22-121	L471241-05	WG491255
Phenanthrene	mg/kg	0.0341	0	.033	103.	27-133	L471241-05	WG491255
Pyrene	mg/kg	0.0376	0	.033	114.	22-133	L471241-05	WG491255
2-Fluorobiphenyl					119.7	21-120		WG491255
Nitrobenzene-d5					114.8*	33-114		WG491255
p-Terphenyl-d14					149.7*	18-142		WG491255
Arsenic	mg/kg	51.2	9.00	50	84.4	75-125	L471390-04	WG491238
Barium	mg/kg	182.	120.	50	124.	75-125	L471390-04	WG491238
Cadmium	mg/kg	41.0	0.390	50	81.2	75-125	L471390-04	WG491238
Chromium	mg/kg	56.7	13.0	50	87.4	75-125	L471390-04	WG491238
Copper	mg/kg	61.8	16.5	50	90.6	75-125	L471390-04	WG491238
Lead	mg/kg	69.1	20.0	50	98.2	75-125	L471390-04	WG491238
Nickel	mg/kg	61.0	18.3	50	85.4	75-125	L471390-04	WG491238
Selenium	mg/kg	44.6	4.40	50	80.4	75-125	L471390-04	WG491238
Silver	mg/kg	43.2	0	50	86.4	75-125	L471390-04	WG491238
Zinc	mg/kg	100.	58.0	50	84.0	75-125	L471390-04	WG491238
TPH (GC/FID) High Fraction	ppm	95.6	77.0	60	31.0*	50-150	L470771-03	WG491253
o-Terphenyl					84.43	50-150		WG491253
Mercury	mg/kg	0.251	0.0330	.25	87.2	70-130	L471200-04	WG491179
Chromium, Hexavalent	mg/kg	19.5	0	20	97.5	50-150	L471045-01	WG491136

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Benzene	mg/kg	0.234	0.239	93.5	32-137	2.19	39	L471362-02	WG491279
Ethylbenzene	mg/kg	0.222	0.224	89.0	10-150	0.740	44	L471362-02	WG491279
Toluene	mg/kg	0.230	0.233	91.8	20-142	1.67	42	L471362-02	WG491279
Total Xylene	mg/kg	0.691	0.701	92.1	16-141	1.39	46	L471362-02	WG491279
a,a,a-Trifluorotoluene(FID)				97.49	59-128				WG491279
a,a,a-Trifluorotoluene(PID)				101.1	54-144				WG491279
TPH (GC/FID) Low Fraction	mg/kg	23.8	25.2	86.5	55-109	5.70	20	L471362-02	WG491279
a,a,a-Trifluorotoluene(FID)				93.25	59-128				WG491279
a,a,a-Trifluorotoluene(PID)				106.0	54-144				WG491279

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Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
1-Methylnaphthalene	mg/kg	0.0221	0.0337	66.9	19-131	41.9*	30	L471241-05	WG491255
2-Chloronaphthalene	mg/kg	0.0211	0.0342	63.8	38-117	47.6*	26	L471241-05	WG491255
2-Methylnaphthalene	mg/kg	0.0224	0.0345	67.8	18-125	42.5*	29	L471241-05	WG491255
Acenaphthene	mg/kg	0.0214	0.0323	64.8	31-120	40.8*	30	L471241-05	WG491255
Acenaphthylene	mg/kg	0.0207	0.0314	62.6	34-116	41.3*	29	L471241-05	WG491255
Anthracene	mg/kg	0.0219	0.0316	66.5	32-131	36.1*	26	L471241-05	WG491255
Benzo(a)anthracene	mg/kg	0.0212	0.0318	64.3	32-131	39.9*	31	L471241-05	WG491255
Benzo(a)pyrene	mg/kg	0.0214	0.0311	64.7	28-130	37.1*	28	L471241-05	WG491255
Benzo(b)fluoranthene	mg/kg	0.0213	0.0293	64.4	37-130	31.7	41	L471241-05	WG491255
Benzo(g,h,i)perylene	mg/kg	0.0244	0.0366	73.8	10-134	40.2*	26	L471241-05	WG491255
Benzo(k)fluoranthene	mg/kg	0.0210	0.0325	63.7	31-129	42.9*	42	L471241-05	WG491255
Chrysene	mg/kg	0.0221	0.0319	67.1	25-137	36.3*	22	L471241-05	WG491255
Dibenz(a,h)anthracene	mg/kg	0.0227	0.0341	68.7	20-134	40.2*	25	L471241-05	WG491255
Fluoranthene	mg/kg	0.0229	0.0286	69.2	27-138	22.2	35	L471241-05	WG491255
Fluorene	mg/kg	0.0221	0.0313	66.9	26-136	34.6*	30	L471241-05	WG491255
Indeno(1,2,3-cd)pyrene	mg/kg	0.0229	0.0349	69.3	16-135	41.6*	26	L471241-05	WG491255
Naphthalene	mg/kg	0.0220	0.0330	66.6	22-121	40.1*	30	L471241-05	WG491255
Phenanthrene	mg/kg	0.0245	0.0341	74.3	27-133	32.7	36	L471241-05	WG491255
Pyrene	mg/kg	0.0229	0.0376	69.4	22-133	48.4*	33	L471241-05	WG491255
2-Fluorobiphenyl				79.53	21-120				WG491255
Nitrobenzene-d5				72.86	33-114				WG491255
p-Terphenyl-d14				90.34	18-142				WG491255
Arsenic	mg/kg	55.2	51.2	92.4	75-125	7.52	20	L471390-04	WG491238
Barium	mg/kg	192.	182.	144.*	75-125	5.35	20	L471390-04	WG491238
Cadmium	mg/kg	44.5	41.0	88.2	75-125	8.19	20	L471390-04	WG491238
Chromium	mg/kg	61.2	56.7	96.4	75-125	7.63	20	L471390-04	WG491238
Copper	mg/kg	66.5	61.8	100.	75-125	7.33	20	L471390-04	WG491238
Lead	mg/kg	69.0	69.1	98.0	75-125	0.145	20	L471390-04	WG491238
Nickel	mg/kg	65.9	61.0	95.2	75-125	7.72	20	L471390-04	WG491238
Selenium	mg/kg	47.3	44.6	85.8	75-125	5.88	20	L471390-04	WG491238
Silver	mg/kg	46.6	43.2	93.2	75-125	7.57	20	L471390-04	WG491238
Zinc	mg/kg	105.	100.	94.0	75-125	4.88	20	L471390-04	WG491238
TPH (GC/FID) High Fraction	ppm	84.9	95.6	13.1*	50-150	11.9	25	L470771-03	WG491253
o-Terphenyl				81.67	50-150				WG491253
Mercury	mg/kg	0.249	0.251	86.4	70-130	0.800	20	L471200-04	WG491179
Chromium, Hexavalent	mg/kg	18.3	19.5	91.5	50-150	6.35	20	L471045-01	WG491136

Batch number /Run number / Sample number cross reference

WG491279: R1306750: L471362-02 03 04  
WG491255: R1307009: L471362-02 04  
WG491238: R1307316: L471362-01 02 03 04  
WG491253: R1309288: L471362-02 03 04  
WG491179: R1310329: L471362-02 03 04  
WG491167: R1310928: L471362-02 03 04  
WG491330: R1311008: L471362-02 03 04  
WG491136: R1311089: L471362-02 03 04  
WG491466: R1312148: L471362-02 03 04  
WG491636: R1313928: L471362-02 03 04  
WG492100: R1318649: L471362-03

\* \* Calculations are performed prior to rounding of reported values .  
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The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.