CONTRACT COMPLIANCE SCREENING FORM FOR HARDCOPY DATA

AMEC Earth & Environmental
355 South Teller Street
Suite 300
Lakewood, CO 80226

Package ID T713SV1
Task Order 313150010
SDG No. IOI2209
No. of Analyses 6

Laboratory Calscience
Reviewer L. Calvin
Analysis/Method Semivolatiles by Method 8270C/SIM

Date: October 27, 2005
Reviewer's Signature L. Calvin

ACTION ITEMS[a]	
1. **Case Narrative Deficiencies**	
2. **Out of Scope Analyses**	
3. **Analyses Not Conducted**	
4. **Missing Hardcopy Deliverables**	
5. **Incorrect Hardcopy Deliverables**	Detected results and reporting limits did not reflect variation in sample amount extracted. Revised sample result summaries were provided by the laboratory.
6. **Deviations from Analysis Protocol, e.g.,**	Qualifications were assigned for the following:
Holding Times	--continuing calibration %D outliers
GC/MS Tune/Inst. Performance	--results below the reporting limits estimated
Calibration	
Method blanks	
Surrogates	
Matrix Spike/Dup LCS	
Field QC	
Internal Standard Performance	
Compound Identification	
Quantitation	
System Performance	
COMMENTS[b]	

[a] Subcontracted analytical laboratory is not meeting contract and/or method requirements.
[b] Differences in protocol have been adopted by the laboratory but no action against the laboratory is required.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive – reported compound was not present. Not applicable.	
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination from FB, or ER.	Presumed contamination from FB or ER.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
*#	Unusual problems found with the data that have been described in Section 1, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found.	Unusual problems found with the data that have been described in Section 1, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found.

DATA VALIDATION REPORT

Topanga Fire Sampling

ANALYSIS: SEMIVOLATILES

SAMPLE DELIVERY GROUP: IOI2209

Prepared by

AMEC Denver Operations
355 South Teller Street, Suite 300
Lakewood, Colorado 80226

1. INTRODUCTION

Task Order Title:	Topanga Fire Sampling
Contract Task Order #:	313150010
SDG#:	IOI2209
Project Manager:	P.Costa
Matrix:	Solid
Analysis:	Semivolatiles
QC Level:	Level IV
No. of Samples:	6
No. of Reanalyses/Dilutions:	0
Reviewer:	L. Calvin
Date of Review:	October 27, 2005

The samples listed in Table 1 were validated based on the guidelines outlined in the *AMEC Data Validation Procedure for Levels III and IV Semivolatile Organics (DVP-3, Rev. 3), EPA Method 625,* and the *National Functional Guidelines For Organic Data Review* (2/94). Any deviations from these procedures are documented herein. Qualifiers were applied in cases where the data did not meet the required QC criteria or where special consideration by the data user is required. Data qualifiers were placed on Form Is with the associated qualification codes. Analytes that were rejected for any reason are denoted on the Form I as having only the "R" data qualifier and associated qualification code(s) denoting the reason for rejection. Any additional problems with the data that may have resulted in an estimated value were not denoted by a qualification code since the data had already been rejected.

Table 1. Sample identification

Client ID	EPA ID	Lab No.	Matrix	Method
IOI2209-01	Perimeter Pond Dam	05-10-0045-01	Solid	8270C/SIM
IOI2209-02	Happy Valley Near Hydrant 125	05-10-0045-02	Solid	8270C/SIM
IOI2209-03	Behind B-203	05-10-0045-03	Solid	8270C/SIM
IOI2209-04	Near SRE Outfall	05-10-0045-04	Solid	8270C/SIM
IOI2209-05	Above Telescope A-4	05-10-0045-05	Solid	8270C/SIM
IOI2209-06	Near Well-9 Upper Gate	05-10-0045-06	Solid	8270C/SIM

2. DATA VALIDATION FINDINGS

2.1 SAMPLE MANAGEMENT

The samples in this SDG were received at Del Mar Analytical on ice above the temperature limits of 4°C ±2°C at 8°C; however, as the samples were couriered directly to the laboratory from the field, the samples had not had sufficient time to cool. The samples were received at the subcontract laboratory, Calscience Environmental Laboratories, Inc., within the temperature limits. The analysis did not require preservation, and no preservation was noted in the field. The COCs and sample login sheets noted that the samples were received intact and in good condition at both laboratories. No qualifications were required.

2.1.2 Chain of Custody

The COC from the field to Del Mar was signed and dated by both field and laboratory personnel, and the transfer COC from Del Mar to Calscience was signed and dated by personnel from both laboratories. As the samples were couriered directly to the laboratory and subcontract laboratory, custody seals were not required. The EPA IDs from the original COC were added to the sample result summaries by the reviewer. No qualifications were required.

2.1.3 Holding Times

The solid samples were extracted within 14 days of collection and analyzed within 40 days of extraction. No qualifications were required.

2.2 GC/MS TUNING

The DFTPP tune met the criteria specified in Method 8270C, and the samples were analyzed within 12 hours of the DFTPP injection time. No qualifications were required.

2.3 CALIBRATION

The initial calibration associated with this SDG was dated 03/09/05. The average RRFs were ≥0.05 and the %RSDs were ≤15% for all target compounds. The continuing calibrations associated with the sample analyses were analyzed 10/05/05 and 10/10/05. The RRFs for all target compounds were ≥0.05 in both calibrations. The %Ds were ≤20%, with the exception of the %Ds for acenaphthylene, anthracene, pyrene, and benzo(a)anthracene in the calibration analyzed 10/05/05, and indeno(1,2,3-cd)pyrene and dibenz(a,h)anthracene in the calibration analyzed 10/10/05. Results for acenaphthylene, anthracene, pyrene, and benzo(a)anthracene in all samples except Happy Valley Near Hydrant 125, and indeno(1,2,3-cd)pyrene and dibenz(a,h)anthracene in sample Happy Valley Near Hydrant 125 were qualified as estimated, "UJ," for nondetects and "J," for detects. A representative number of average RRFs and %RSDs for the initial calibration and RRFs and %Ds for the continuing calibration were checked from the raw data, and no calculation or transcription errors were noted. No further qualifications were required.

2.4 BLANKS

One method blank (051004L09-MB) was extracted and analyzed with the samples in this SDG. There were no target compounds detected in the method blank. Review of the raw data indicated no reportable false negatives. No qualifications were required.

2.5 BLANK SPIKES AND LABORATORY CONTROL SAMPLES

One blank spike/blank spike duplicate pair (051004L09-BS1/BSD1) was extracted and analyzed with the samples in this SDG, spiked only with target compounds acenaphthene and pyrene. The recoveries and RPDs were within the laboratory-established QC limits. The recoveries and RPDs were calculated from the raw data and no calculation or transcription errors were found. No qualifications were required.

2.6 SURROGATE RECOVERY

The sample surrogate recoveries for all of the samples in this SDGwere within the laboratory-established QC limits. A representative number of recoveries were calculated from the raw data, and no transcription or calculation errors were noted. No qualifications were required.

2.7 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

MS/MSD analyses were not performed on any of the samples in this SDG. Evaluation of method accuracy and precision was based on blank spike/blank spike duplicate results. No qualifications were required.

2.8 FIELD QC SAMPLES

Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

2.8.1 Field Blanks and Equipment Rinsates

There were no field QC samples associated with this SDG. No qualifications were required.

2.8.2 Field Duplicates

There were no field duplicate samples associated with this SDG.

2.9 INTERNAL STANDARDS PERFORMANCE

The internal standard area counts and retention times were within the control limits established by the continuing calibration standards: -50%/+100% for internal standard areas and

±30 seconds for retention times. A representative number of recoveries were checked from the raw data, and no transcription or calculation errors were noted. No qualifications were required.

2.10 COMPOUND IDENTIFICATION

The laboratory analyzed for 18 semivolatile polynuclear aromatic hydrocarbon (PAH) target compounds by EPA Method 625. Review of the sample chromatograms, retention times, and spectra indicated no problems with target compound identification. No qualifications were required.

2.11 COMPOUND QUANTIFICATION AND REPORTED DETECTION LIMITS

Compound quantification is verified at a Level IV data validation. The reporting limits were supported by the low level of the initial and the method detection limit study. Sample detects were reported on a dry-weight basis. The reviewer noted in the initial submission of the laboratory report that most of the reported detects, reporting limits, and MDLs were not adjusted to reflect variation in the sample amount extracted. The laboratory provided revised sample result summaries, and the validation report was revised accordingly. No other calculation or transcription errors were found. Results were reported in mg/L (ppm). Compounds reported below the reporting limit but above the MDL were qualified as estimated, "J," by the laboratory. No further qualifications were required.

2.12 TENTATIVELY IDENTIFIED COMPOUNDS

TICs were not reported by the laboratory for this SDG. No qualifications were required.

2.13 SYSTEM PERFORMANCE

Review of the raw data indicated no problems with system performance. No qualifications were required.

Calscience Environmental Laboratories, Inc.

Analytical Report

Del Mar Analytical
17461 Derian Avenue, Suite 100
Irvine, CA 92614-5845

Date Received:	10/03/05
Work Order No:	05-10-0045
Preparation:	EPA 3545
Method:	EPA 8270C SIM PAHs
Units:	mg/kg

Project: IOI2209

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
IOI2209-01	05-10-0045-1	09/30/05	Solid	10/04/05	10/05/05	051004L09

Perimeter Pond Dam

Comment(s): -Results are reported on a dry weight basis.

-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	0.55	0.02	0.0038	1.02		Benzo (a) Anthracene	ND	0.020	0.0027	1.02	UJC
2-Methylnaphthalene	0.039	0.02	0.0024	1.02		Chrysene	ND	0.020	0.0048	1.02	U
Acenaphthylene	ND	0.020	0.0025	1.02	UJC	Benzo (k) Fluoranthene	ND	0.020	0.0046	1.02	
Acenaphthene	ND	0.020	0.0051	1.02	U	Benzo (b) Fluoranthene	ND	0.020	0.0014	1.02	
Fluorene	ND	0.020	0.0031	1.02		Benzo (a) Pyrene	ND	0.020	0.0020	1.02	
Phenanthrene	0.026	0.02	0.0039	1.02		Benzo (g,h,i) Perylene	ND	0.020	0.0033	1.02	
Anthracene	ND	0.020	0.0063	1.02	UJC	Indeno (1,2,3-c,d) Pyrene	ND	0.020	0.0035	1.02	
Fluoranthene	ND	0.020	0.0020	1.02	U	Dibenz (a,h) Anthracene	ND	0.020	0.0028	1.02	
Pyrene	ND	0.020	0.0033	1.02	UJC	1-Methylnaphthalene	0.025	0.02	0.0044	1.02	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Nitrobenzene-d5	104	28-139				2-Fluorobiphenyl	102	33-144			
p-Terphenyl-d14	146	23-160									

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
IOI2209-02	05-10-0045-2	09/30/05	Solid	10/04/05	10/10/05	051004L09

Harvey Valley Hydrant 125

Comment(s): -Results are reported on a dry weight basis.

-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	0.37	0.02	0.0039	1.05		Benzo (a) Anthracene	ND	0.021	0.0027	1.05	U
2-Methylnaphthalene	0.13	0.02	0.0025	1.05		Chrysene	0.011	0.021	0.0049	1.05	J J
Acenaphthylene	0.012	0.021	0.0025	1.05	J J	Benzo (k) Fluoranthene	ND	0.021	0.0047	1.05	U
Acenaphthene	0.014	0.021	0.0052	1.05	J	Benzo (b) Fluoranthene	ND	0.021	0.0015	1.05	
Fluorene	0.017	0.021	0.0032	1.05	J	Benzo (a) Pyrene	ND	0.021	0.0021	1.05	
Phenanthrene	0.080	0.021	0.0040	1.05		Benzo (g,h,i) Perylene	ND	0.021	0.0034	1.05	
Anthracene	0.088	0.021	0.0065	1.05		Indeno (1,2,3-c,d) Pyrene	ND	0.021	0.0036	1.05	UJ C
Fluoranthene	0.030	0.021	0.0020	1.05		Dibenz (a,h) Anthracene	ND	0.021	0.0028	1.05	
Pyrene	0.022	0.021	0.0034	1.05		1-Methylnaphthalene	0.11	0.02	0.0045	1.05	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Nitrobenzene-d5	139	28-139				2-Fluorobiphenyl	88	33-144			
p-Terphenyl-d14	145	23-160									

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Rev 1
11.10.05
ANC

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Del Mar Analytical	Date Received: 10/03/05
17461 Derian Avenue, Suite 100	Work Order No: 05-10-0045
Irvine, CA 92614-5845	Preparation: EPA 3545
	Method: EPA 8270C SIM PAHs
	Units: mg/kg
Project: IOI2209	Page 3 of 4

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
IOI2209-05	**05-10-0045-5**	**09/30/05**	**Solid**	**10/04/05**	**10/05/05**	**051004L09**

Above Telescope A-A

Comment(s): -Results are reported on a dry weight basis.

-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	0.26	0.02	0.0038	1.02		Benzo (a) Anthracene	ND	0.020	0.0027	1.02	UJC
2-Methylnaphthalene	0.054	0.02	0.0024	1.02		Chrysene	ND	0.020	0.0048	1.02	U
Acenaphthylene	ND	0.020	0.0025	1.02	UJC	Benzo (k) Fluoranthene	ND	0.020	0.0046	1.02	
Acenaphthene	0.19	0.02	0.0051	1.02		Benzo (b) Fluoranthene	ND	0.020	0.0014	1.02	
Fluorene	ND	0.020	0.0031	1.02	U	Benzo (a) Pyrene	ND	0.020	0.0020	1.02	
Phenanthrene	0.049	0.02	0.0039	1.02		Benzo (g,h,i) Perylene	ND	0.020	0.0033	1.02	
Anthracene	ND	0.020	0.0063	1.02	UJC	Indeno (1,2,3-c,d) Pyrene	ND	0.020	0.0035	1.02	
Fluoranthene	0.0097	0.02	0.0020	1.02	J	Dibenz (a,h) Anthracene	ND	0.020	0.0028	1.02	
Pyrene	0.18	0.02	0.0033	1.02	C	1-Methylnaphthalene	0.031	0.02	0.0044	1.02	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	136	28-139		2-Fluorobiphenyl	98	33-144	
p-Terphenyl-d14	146	23-160					

IOI2209-06	**05-10-0045-6**	**09/30/05**	**Solid**	**10/04/05**	**10/05/05**	**051004L09**

Near Well 9 - Upper Gate

Comment(s): -Results are reported on a dry weight basis.

-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	0.67	0.02	0.0038	1.02		Benzo (a) Anthracene	ND	0.020	0.0027	1.02	UJC
2-Methylnaphthalene	0.079	0.02	0.0024	1.02		Chrysene	ND	0.020	0.0048	1.02	U
Acenaphthylene	ND	0.020	0.0025	1.02	UJC	Benzo (k) Fluoranthene	ND	0.020	0.0046	1.02	
Acenaphthene	0.19	0.02	0.0051	1.02		Benzo (b) Fluoranthene	ND	0.020	0.0014	1.02	
Fluorene	0.017	0.02	0.0031	1.02	J	Benzo (a) Pyrene	ND	0.020	0.0020	1.02	
Phenanthrene	0.15	0.02	0.0039	1.02		Benzo (g,h,i) Perylene	ND	0.020	0.0033	1.02	
Anthracene	0.013	0.02	0.0063	1.02	JC	Indeno (1,2,3-c,d) Pyrene	ND	0.020	0.0035	1.02	
Fluoranthene	0.036	0.02	0.0020	1.02		Dibenz (a,h) Anthracene	ND	0.020	0.0028	1.02	
Pyrene	0.074	0.02	0.0033	1.02	JC	1-Methylnaphthalene	0.059	0.02	0.0044	1.02	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	134	28-139		2-Fluorobiphenyl	88	33-144	
p-Terphenyl-d14	102	23-160					

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Del Mar Analytical
17461 Derian Avenue, Suite 100
Irvine, CA 92614-5845

Date Received: 10/03/05
Work Order No: 05-10-0045
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs
Units: mg/kg

Project: IOI2209

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
IOI2209-03	05-10-0045-3	09/30/05	Solid	10/04/05	10/05/05	051004L09

Behind B-203

Comment(s): -Results are reported on a dry weight basis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	0.21	0.02	0.0037	1.01		Benzo (a) Anthracene	ND	0.020	0.0026	1.01	UJ C
2-Methylnaphthalene	0.032	0.02	0.0024	1.01		Chrysene	0.0086	0.02	0.0048	1.01	J J
Acenaphthylene	ND	0.020	0.0024	1.01	UJ C	Benzo (k) Fluoranthene	ND	0.020	0.0045	1.01	U
Acenaphthene	ND	0.020	0.0050	1.01	U	Benzo (b) Fluoranthene	ND	0.020	0.0014	1.01	
Fluorene	0.0084	0.02	0.0031	1.01	J J	Benzo (a) Pyrene	ND	0.020	0.0020	1.01	
Phenanthrene	0.035	0.02	0.0038	1.01		Benzo (g,h,i) Perylene	ND	0.020	0.0033	1.01	
Anthracene	ND	0.020	0.0062	1.01	UJ C	Indeno (1,2,3-c,d) Pyrene	ND	0.020	0.0035	1.01	
Fluoranthene	0.019	0.02	0.0020	1.01	J J	Dibenz (a,h) Anthracene	ND	0.020	0.0027	1.01	
Pyrene	0.014	0.02	0.0033	1.01	J J	1-Methylnaphthalene	0.022	0.02	0.0043	1.01	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	137	28-139		2-Fluorobiphenyl	99	33-144	
p-Terphenyl-d14	149	23-160					

IOI2209-04	05-10-0045-4	09/30/05	Solid	10/04/05	10/05/05	051004L09

Near SRE Outfall

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Naphthalene	0.27	0.02	0.0038	1.02		Benzo (a) Anthracene	ND	0.020	0.0027	1.02	UJ C
2-Methylnaphthalene	0.030	0.02	0.0024	1.02		Chrysene	0.0088	0.02	0.0048	1.02	J J
Acenaphthylene	ND	0.020	0.0025	1.02	UJ C	Benzo (k) Fluoranthene	ND	0.020	0.0046	1.02	U
Acenaphthene	ND	0.020	0.0051	1.02	U	Benzo (b) Fluoranthene	ND	0.020	0.0014	1.02	
Fluorene	ND	0.020	0.0031	1.02		Benzo (a) Pyrene	ND	0.020	0.0020	1.02	
Phenanthrene	0.030	0.02	0.0039	1.02		Benzo (g,h,i) Perylene	ND	0.020	0.0033	1.02	
Anthracene	ND	0.020	0.0063	1.02	UJ C	Indeno (1,2,3-c,d) Pyrene	ND	0.020	0.0035	1.02	
Fluoranthene	0.017	0.02	0.0020	1.02	J J	Dibenz (a,h) Anthracene	ND	0.020	0.0028	1.02	
Pyrene	0.014	0.02	0.0033	1.02	J J	1-Methylnaphthalene	0.018	0.02	0.0044	1.02	J J

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	138	28-139		2-Fluorobiphenyl	104	33-144	
p-Terphenyl-d14	160	23-160					

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers