ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

ExxonMobil
PO Box 4592
Houston TX 77210-4592

April 13, 2015

Project: Mayflower, AR Pipeline Incident

Submittal Date: 04/02/2015
Group Number: 1550256
SDG: PEO62
PO Number: 4410272923
Release Number: SIXSMITH
State of Sample Origin: AR

Client Sample Description	Lancaster Labs (LL) #
WS-007(0.5-1.0)040115 Grab Surface Water	7831655
WS-009(Surface)040115 Grab Surface Water	7831656
WS-001(0.5-1.0)040115 Grab Surface Water	7831657
WS-021(Surface)040115 Grab Surface Water	7831658
WS-004(0.5-1.0)040115 Grab Surface Water	7831659

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

ELECTRONIC COPY TO	ARCADIS	Attn: Stephen Barrick
ELECTRONIC COPY TO	ARCADIS	Attn: Lyndi Mott
ELECTRONIC COPY TO	ExxonMobil	Attn: Michael J. Firth
ELECTRONIC COPY TO	ARCADIS	Attn: Emily Leamer
ELECTRONIC COPY TO	ARCADIS	Attn: Rhiannon Parmelee
ELECTRONIC COPY TO	ExxonMobil	Attn: Michael L Sixsmith
ELECTRONIC COPY TO	ExxonMobil	Attn: Julie Foster

ELECTRONIC COPY TO	ARCADIS	Attn: Sonal Patil
ELECTRONIC COPY TO	ARCADIS	Attn: Kim Abbott
ELECTRONIC COPY TO	ExxonMobil	Attn: Joe Abel

Respectfully Submitted,

Katherine A. Klinefelter

Katherine A. Klinefelter
Principal Specialist

(717) 556-7256

Project Name: Mayflower, AR Pipeline Incident
LL Group #: 1550256

General Comments:

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are not included in this data set

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:

SW-846 8270C SIM, GC/MS Semivolatiles

Sample #s: 7831655, 7831656, 7831657, 7831658

The laboratory did not receive sufficient sample volume to perform the method QC requirement for MS/MSD or MS/DUP analysis.

Sample #s: 7831659

The laboratory did not receive sufficient sample volume to perform the method QC requirement for MS/MSD or MS/DUP analysis.
The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.

Batch #: 15096WAC026 (Sample number(s): 7831655-7831659)

The recovery(ies) for one or more surrogates were outside of the QC window for sample(s) 7831659

Sample Description: WS-007(0.5-1.0)040115 Grab Surface Water
S20135565 Mayflower, AR
Pipeline Incident

LL Sample # WW 7831655
LL Group # 1550256
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 04/01/2015 11:20 by ZP

Submitted: 04/02/2015 10:00
Reported: 04/13/2015 15:40

ExxonMobil
PO Box 4592
Houston TX 77210-4592

1-007 SDG#: PEO62-01

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.014	J	0.010	0.052	1
08357	Acenaphthylene	208-96-8	N.D.		0.010	0.052	1
08357	Anthracene	120-12-7	0.081		0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	0.65		0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	0.20		0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	0.15		0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	0.028	J	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	0.026	J	0.010	0.052	1
08357	Chrysene	218-01-9	1.1		0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	0.020	J	0.010	0.052	1
08357	Fluoranthene	206-44-0	0.26		0.010	0.052	1
08357	Fluorene	86-73-7	0.017	J	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.014	J	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	N.D.		0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	N.D.		0.010	0.052	1
08357	Naphthalene	91-20-3	0.032	J	0.031	0.062	1
08357	Phenanthrene	85-01-8	0.43		0.031	0.062	1
08357	Pyrene	129-00-0	1.3		0.010	0.052	1

The laboratory did not receive sufficient sample volume to perform the method QC requirement for MS/MSD or MS/DUP analysis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	15096WAC026	04/10/2015 18:55	Holly B Ziegler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	15096WAC026	04/06/2015 15:30	Seth A Farrier	1

*=This limit was used in the evaluation of the final result

Sample Description: WS-009(Surface)040115 Grab Surface Water
S20135565 Mayflower, AR
Pipeline Incident

LL Sample # WW 7831656
LL Group # 1550256
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 04/01/2015 11:25 by ZP

Submitted: 04/02/2015 10:00
Reported: 04/13/2015 15:40

ExxonMobil
PO Box 4592
Houston TX 77210-4592

1-009 SDG#: PEO62-02

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C SIM**		ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.050	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.050	1
08357	Anthracene	120-12-7	N.D.	0.010	0.050	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.050	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.050	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.050	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.050	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.050	1
08357	Chrysene	218-01-9	N.D.	0.010	0.050	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.050	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.050	1
08357	Fluorene	86-73-7	N.D.	0.010	0.050	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.050	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.050	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.050	1
08357	Naphthalene	91-20-3	N.D.	0.030	0.060	1
08357	Phenanthrene	85-01-8	N.D.	0.030	0.060	1
08357	Pyrene	129-00-0	N.D.	0.010	0.050	1

The laboratory did not receive sufficient sample volume to perform the method QC requirement for MS/MSD or MS/DUP analysis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	15096WAC026	04/10/2015 19:23	Holly B Ziegler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	15096WAC026	04/06/2015 15:30	Seth A Farrier	1

*=This limit was used in the evaluation of the final result

Sample Description: WS-001(0.5-1.0)040115 Grab Surface Water
S20135565 Mayflower, AR
Pipeline Incident

LL Sample # WW 7831657
LL Group # 1550256
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 04/01/2015 11:30 by ZP

Submitted: 04/02/2015 10:00
Reported: 04/13/2015 15:40

ExxonMobil
PO Box 4592
Houston TX 77210-4592

1-001 SDG#: PEO62-03

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C SIM**		ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.050	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.050	1
08357	Anthracene	120-12-7	N.D.	0.010	0.050	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.050	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.050	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.050	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.050	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.050	1
08357	Chrysene	218-01-9	N.D.	0.010	0.050	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.050	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.050	1
08357	Fluorene	86-73-7	N.D.	0.010	0.050	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.050	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.050	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.050	1
08357	Naphthalene	91-20-3	N.D.	0.030	0.060	1
08357	Phenanthrene	85-01-8	N.D.	0.030	0.060	1
08357	Pyrene	129-00-0	N.D.	0.010	0.050	1

The laboratory did not receive sufficient sample volume to perform the method QC requirement for MS/MSD or MS/DUP analysis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	15096WAC026	04/10/2015 19:50	Holly B Ziegler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	15096WAC026	04/06/2015 15:30	Seth A Farrier	1

*=This limit was used in the evaluation of the final result

Sample Description: WS-021(Surface)040115 Grab Surface Water
S20135565 Mayflower, AR
Pipeline Incident

LL Sample # WW 7831658
LL Group # 1550256
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 04/01/2015 11:35 by ZP

Submitted: 04/02/2015 10:00
Reported: 04/13/2015 15:40

ExxonMobil
PO Box 4592
Houston TX 77210-4592

1-021 SDG#: PEO62-04

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C SIM**		ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.050	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.050	1
08357	Anthracene	120-12-7	N.D.	0.010	0.050	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.050	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.050	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.050	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.050	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.050	1
08357	Chrysene	218-01-9	N.D.	0.010	0.050	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.050	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.050	1
08357	Fluorene	86-73-7	N.D.	0.010	0.050	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.050	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.050	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.050	1
08357	Naphthalene	91-20-3	N.D.	0.030	0.060	1
08357	Phenanthrene	85-01-8	N.D.	0.030	0.060	1
08357	Pyrene	129-00-0	N.D.	0.010	0.050	1

The laboratory did not receive sufficient sample volume to perform the method QC requirement for MS/MSD or MS/DUP analysis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	15096WAC026	04/10/2015 20:18	Holly B Ziegler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	15096WAC026	04/06/2015 15:30	Seth A Farrier	1

*=This limit was used in the evaluation of the final result

Sample Description: WS-004(0.5-1.0)040115 Grab Surface Water
S20135565 Mayflower, AR
Pipeline Incident

LL Sample # WW 7831659
LL Group # 1550256
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 04/01/2015 11:40 by ZP

Submitted: 04/02/2015 10:00
Reported: 04/13/2015 15:40

ExxonMobil
PO Box 4592
Houston TX 77210-4592

1-004 SDG#: PEO62-05

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.		0.010	0.050	1
08357	Acenaphthylene	208-96-8	N.D.		0.010	0.050	1
08357	Anthracene	120-12-7	N.D.		0.010	0.050	1
08357	Benzo(a)anthracene	56-55-3	0.016	J	0.010	0.050	1
08357	Benzo(a)pyrene	50-32-8	0.018	J	0.010	0.050	1
08357	Benzo(b)fluoranthene	205-99-2	0.030	J	0.010	0.050	1
08357	Benzo(g,h,i)perylene	191-24-2	0.015	J	0.010	0.050	1
08357	Benzo(k)fluoranthene	207-08-9	0.012	J	0.010	0.050	1
08357	Chrysene	218-01-9	0.025	J	0.010	0.050	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.		0.010	0.050	1
08357	Fluoranthene	206-44-0	0.037	J	0.010	0.050	1
08357	Fluorene	86-73-7	N.D.		0.010	0.050	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.020	J	0.010	0.050	1
08357	1-Methylnaphthalene	90-12-0	N.D.		0.010	0.050	1
08357	2-Methylnaphthalene	91-57-6	N.D.		0.010	0.050	1
08357	Naphthalene	91-20-3	0.050	J	0.030	0.060	1
08357	Phenanthrene	85-01-8	N.D.		0.030	0.060	1
08357	Pyrene	129-00-0	0.030	J	0.010	0.050	1

The laboratory did not receive sufficient sample volume to perform the method QC requirement for MS/MSD or MS/DUP analysis.

The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	15096WAC026	04/10/2015 20:45	Holly B Ziegler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	15096WAC026	04/06/2015 15:30	Seth A Farrier	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: ExxonMobil Group Number: 1550256
Reported: 04/13/2015 15:40

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 15096WAC026	Sample number(s): 7831655-7831659								
Acenaphthene	N.D.	0.010	0.050	ug/l	92	89	76-139	3	30
Acenaphthylene	N.D.	0.010	0.050	ug/l	84	83	67-120	2	30
Anthracene	N.D.	0.010	0.050	ug/l	97	94	72-128	3	30
Benzo(a)anthracene	N.D.	0.010	0.050	ug/l	100	97	71-127	3	30
Benzo(a)pyrene	N.D.	0.010	0.050	ug/l	97	93	64-132	4	30
Benzo(b)fluoranthene	N.D.	0.010	0.050	ug/l	112	103	71-139	9	30
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	86	83	49-140	3	30
Benzo(k)fluoranthene	N.D.	0.010	0.050	ug/l	98	100	63-136	2	30
Chrysene	N.D.	0.010	0.050	ug/l	98	97	72-132	2	30
Dibenz(a,h)anthracene	N.D.	0.010	0.050	ug/l	85	88	37-142	3	30
Fluoranthene	N.D.	0.010	0.050	ug/l	98	95	76-121	3	30
Fluorene	N.D.	0.010	0.050	ug/l	94	91	71-124	3	30
Indeno(1,2,3-cd)pyrene	N.D.	0.010	0.050	ug/l	88	88	45-136	1	30
1-Methylnaphthalene	N.D.	0.010	0.050	ug/l	90	88	65-122	3	30
2-Methylnaphthalene	N.D.	0.010	0.050	ug/l	84	82	59-124	3	30
Naphthalene	N.D.	0.030	0.060	ug/l	92	89	69-119	3	30
Phenanthrene	N.D.	0.030	0.060	ug/l	94	91	75-121	4	30
Pyrene	N.D.	0.010	0.050	ug/l	93	91	70-124	3	30

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: PAHs in waters by SIM
Batch number: 15096WAC026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7831655	74	74	77
7831656	92	91	81
7831657	89	87	79
7831658	89	80	83
7831659	34*	28	56
Blank	89	99	74
LCS	93	105	85
LCSD	90	101	82
Limits:	56-134	26-158	52-127

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Quality Control Summary

Client Name: ExxonMobil Group Number: 1550256
Reported: 04/13/2015 15:40

Surrogate Quality Control

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

ExxonMobil Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 14739 | For Eurofins Lancaster Laboratories Environmental use only Group # 550256 Sample # 783165 5-59

Instructions on reverse side correspond with circled numbers.

SCR#: 165931

1 Client Information

Facility #/SID: Mayflower Pipeline Incident

Site Address: Mayflower AR

ExxonMobil PM: Mike Sixsmith | Cost Center/AFE:

Consultant/Office: Arcadis

Consultant PM: Steve Barnick | Consultant Phone #:

Sampler: Zac Powers

4 Matrix

Soil ☐ | Sediment ☐ | Water: Ground ☐ Surface ☒ Potable ☐ NPDES ☐ | Oil ☐ | Air ☐

5 Analyses Requested — Preservation Code

Preservation Codes

H = HCl | T = Thiosulfate
N = HNO_3 | B = NaOH
S = H_2SO_4 | O = Other

6 Remarks

2 Sample Identification	Collected Date	Collected Time	3 Grab	3 Composite	Total # of Containers	PAH 8270 SIM
WS-007(0.5-1.0)040115	4.1.15	1120	X		2	X
WS-009(surface)040115	4.1.15	1125	X		2	X
WS-001(0.5-1.0)040115	4.1.15	1130	X		2	X
WS-021(surface)040115	4.1.15	1135	X		2	X
WS-004(0.5-1.0)040115	4.1.15	1140	X		2	X

Z. Powers

7 Turnaround Time Requested (TAT) (please circle)

Standard | 5 day | 4 day | 72 hour | 48 hour | 24 hour

8 Data Package (circle if required)

Type I - Full
Type VI (Raw Data)
NJ Reduced
Other _____

EDD (circle if required)

Locus EIM (default)
Other _____

Relinquished by	Date	Time	Received by	Date	Time
Angela S. Montgomery	1/30/15	14:10	Zac Powers	4/1/15	0900
[signature]	4/1/15	1600	UPS		

Relinquished by Commercial Carrier: UPS X FedEx ____ Other ____

Received by: [signature] Date 4.2.15 Time 1000

Temperature Upon Receipt 1.2 °C

Custody Seals Intact? Yes No

9

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 64608

Group Number(s): 1550256

Client: ExxonMobil

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	04/02/2015 10:00
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	AR		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Brandy Barclay (2299) at 11:58 on 04/02/2015

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	1.2	DT	Wet	Y	Bagged	N

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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