

Report to:
Steve Moskal



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

BP America Production Co.

Project Name: Secord 7u 34-6-1

Work Order: E011026

Job Number: 03143-0424

Received: 11/6/2020

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/20/20

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM009792018-1 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 11/20/20

Steve Moskal
PO Box 22024
Tulsa, OK 74121-2024



Project Name: Secord 7u 34-6-1
Workorder: E011026
Date Received: 11/6/2020 4:24:00PM

Steve Moskal,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/6/2020 4:24:00PM, under the Project Name: Secord 7u 34-6-1.

The analytical test results summarized in this report with the Project Name: Secord 7u 34-6-1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS01	5
SS02	7
QC Summary Data	9
QC - Wet Chemistry by 9050A/2510B	9
QC - Wet Chemistry by EPA 9045D	10
QC - Volatile Organics by EPA 8021B	11
QC - Nonhalogenated Organics by EPA 8015D - GRO	12
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	13
QC - Total Metals by EPA 6010C	14
QC - Cation/Anion 10:1 Leach Procedure	15
QC - Boron-Hot Water Soluble by EPA 6010C	16
Definitions and Notes	17
Chain of Custody etc.	18

Sample Summary

BP America Production Co.
PO Box 22024
Tulsa OK, 74121-2024

Project Name: Secord 7u 34-6-1
Project Number: 03143-0424
Project Manager: Steve Moskal

Reported:
11/20/20 11:12

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01	E011026-01A	Soil	11/06/20	11/06/20	Glass Jar, 4 oz.
	E011026-01B	Soil	11/06/20	11/06/20	Glass Jar, 4 oz.
SS02	E011026-02A	Soil	11/06/20	11/06/20	Glass Jar, 4 oz.
	E011026-02B	Soil	11/06/20	11/06/20	Glass Jar, 4 oz.



Sample Data

BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: Secord 7u 34-6-1 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 11/20/2020 11:12:23AM
---	---	---

SS01

E011026-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by 9050A/2510B						
	uS/cm	uS/cm		Analyst: RAS		Batch: 2046026
Specific Conductance (@ 25 C)	100	10.0	1	11/12/20	11/12/20	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: RAS		Batch: 2046027
pH @25°C	8.85		1	11/12/20	11/12/20	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2046010
Benzene	ND	0.0250	1	11/09/20	11/09/20	
Toluene	ND	0.0250	1	11/09/20	11/09/20	
Ethylbenzene	ND	0.0250	1	11/09/20	11/09/20	
p,m-Xylene	ND	0.0500	1	11/09/20	11/09/20	
o-Xylene	ND	0.0250	1	11/09/20	11/09/20	
Total Xylenes	ND	0.0250	1	11/09/20	11/09/20	
Surrogate: 4-Bromochlorobenzene-PID	99.8 %	70-130		11/09/20	11/09/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2046010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/09/20	11/09/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	85.8 %	70-130		11/09/20	11/09/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046025
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/20	11/12/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/12/20	11/12/20	
Surrogate: n-Nonane	95.6 %	50-200		11/12/20	11/12/20	
Total Metals by EPA 6010C						
	mg/kg	mg/kg		Analyst: AC		Batch: 2046005
Arsenic	2.50	0.500	1	11/11/20	11/12/20	
Barium	208	6.25	1	11/11/20	11/12/20	
Cadmium	1.24	0.250	1	11/11/20	11/12/20	
Chromium	13.1	0.500	1	11/11/20	11/12/20	
Copper	15.2	0.500	1	11/11/20	11/12/20	
Lead	10.9	0.250	1	11/11/20	11/12/20	
Mercury	ND	0.250	1	11/11/20	11/12/20	
Nickel	12.7	1.25	1	11/11/20	11/12/20	
Selenium	ND	1.25	1	11/11/20	11/12/20	
Silver	ND	0.250	1	11/11/20	11/12/20	
Zinc	58.8	2.50	1	11/11/20	11/12/20	



Sample Data

BP America Production Co.	Project Name:	Secord 7u 34-6-1	Reported: 11/20/2020 11:12:23AM
PO Box 22024	Project Number:	03143-0424	
Tulsa OK, 74121-2024	Project Manager:	Steve Moskal	

SS01

E011026-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Cation/Anion 10:1 Leach Procedure	mg/L	mg/L	Analyst: AC		Batch: 2046015	
Calcium	2.52	1.00	1	11/10/20	11/10/20	
Magnesium	ND	1.00	1	11/10/20	11/10/20	
Sodium	ND	2.00	1	11/10/20	11/10/20	
Sodium Absorption Ratio	0.00		10	11/11/20	11/11/20	
Boron-Hot Water Soluble by EPA 6010C	mg/L	mg/L	Analyst: AC		Batch: 2046024	
Boron	ND	2.00	1	11/11/20	11/16/20	



Sample Data

BP America Production Co.
PO Box 22024
Tulsa OK, 74121-2024

Project Name: Secord 7u 34-6-1
Project Number: 03143-0424
Project Manager: Steve Moskal

Reported:
11/20/2020 11:12:23AM

SS02

E011026-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by 9050A/2510B						
	uS/cm	uS/cm		Analyst: RAS		Batch: 2046026
Specific Conductance (@ 25 C)	3720	10.0	1	11/12/20	11/12/20	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: RAS		Batch: 2046027
pH @25°C	8.15		1	11/12/20	11/12/20	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2046010
Benzene	ND	0.0250	1	11/09/20	11/09/20	
Toluene	ND	0.0250	1	11/09/20	11/09/20	
Ethylbenzene	ND	0.0250	1	11/09/20	11/09/20	
p,m-Xylene	ND	0.0500	1	11/09/20	11/09/20	
o-Xylene	ND	0.0250	1	11/09/20	11/09/20	
Total Xylenes	ND	0.0250	1	11/09/20	11/09/20	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		11/09/20	11/09/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2046010
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/09/20	11/09/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	85.6 %	70-130		11/09/20	11/09/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046025
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/20	11/12/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/12/20	11/12/20	
Surrogate: n-Nonane	72.0 %	50-200		11/12/20	11/12/20	
Total Metals by EPA 6010C						
	mg/kg	mg/kg		Analyst: AC		Batch: 2046005
Arsenic	1.57	0.500	1	11/11/20	11/12/20	
Barium	253	6.25	1	11/11/20	11/12/20	
Cadmium	0.810	0.250	1	11/11/20	11/12/20	
Chromium	8.68	0.500	1	11/11/20	11/12/20	
Copper	8.81	0.500	1	11/11/20	11/12/20	
Lead	7.05	0.250	1	11/11/20	11/12/20	
Mercury	ND	0.250	1	11/11/20	11/12/20	
Nickel	8.42	1.25	1	11/11/20	11/12/20	
Selenium	ND	1.25	1	11/11/20	11/12/20	
Silver	ND	0.250	1	11/11/20	11/12/20	
Zinc	37.0	2.50	1	11/11/20	11/12/20	



Sample Data

BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: Secord 7u 34-6-1 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 11/20/2020 11:12:23AM
---	---	---

SS02

E011026-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Cation/Anion 10:1 Leach Procedure	mg/L	mg/L	Analyst: AC		Batch: 2046015	
Calcium	8.13	1.00	1	11/10/20	11/10/20	
Magnesium	7.73	1.00	1	11/10/20	11/10/20	
Sodium	121	2.00	1	11/10/20	11/10/20	
Sodium Absorption Ratio	7.29		10	11/11/20	11/11/20	
Boron-Hot Water Soluble by EPA 6010C	mg/L	mg/L	Analyst: AC		Batch: 2046024	
Boron	ND	2.00	1	11/11/20	11/16/20	



QC Summary Data

BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: Secord 7u 34-6-1 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 11/20/2020 11:12:23AM
---	---	------------------------------------

Wet Chemistry by 9050A/2510B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	uS/cm	uS/cm	uS/cm	uS/cm	%	%	%	%	

Blank (2046026-BLK1)

Prepared: 11/12/20 Analyzed: 11/12/20

Specific Conductance (@ 25 C)	ND	10.0				
-------------------------------	----	------	--	--	--	--

LCS (2046026-BS1)

Prepared: 11/12/20 Analyzed: 11/12/20

Specific Conductance (@ 25 C)	1390	10.0	1410	98.5	98-102	
-------------------------------	------	------	------	------	--------	--

Duplicate (2046026-DUP1)

Source: E011020-01 Prepared: 11/12/20 Analyzed: 11/12/20

Specific Conductance (@ 25 C)	1330	10.0	1310	1.66	20	
-------------------------------	------	------	------	------	----	--



QC Summary Data

BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: Secord 7u 34-6-1 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 11/20/2020 11:12:23AM
---	---	---

Wet Chemistry by EPA 9045D

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	pH Units	pH Units	pH Units	pH Units	%	%	%	%	

LCS (2046027-BS1)

Prepared: 11/12/20 Analyzed: 11/12/20

pH	8.04	8.00	101	98.75-101.25
----	------	------	-----	--------------

Duplicate (2046027-DUP1)

Source: E011020-01 Prepared: 11/12/20 Analyzed: 11/12/20

pH	8.56	8.54	0.234	20
----	------	------	-------	----



QC Summary Data

BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: Secord 7u 34-6-1 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 11/20/2020 11:12:23AM
---	---	------------------------------------

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2046010-BLK1)

Prepared: 11/09/20 Analyzed: 11/09/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		100	70-130			

LCS (2046010-BS1)

Prepared: 11/09/20 Analyzed: 11/09/20

Benzene	5.51	0.0250	5.00		110	70-130			
Toluene	5.52	0.0250	5.00		110	70-130			
Ethylbenzene	5.48	0.0250	5.00		110	70-130			
p,m-Xylene	11.1	0.0500	10.0		111	70-130			
o-Xylene	5.53	0.0250	5.00		111	70-130			
Total Xylenes	16.6	0.0250	15.0		111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.68		8.00		108	70-130			

Matrix Spike (2046010-MS1)

Source: E011023-01 Prepared: 11/09/20 Analyzed: 11/09/20

Benzene	5.65	0.0250	5.00	ND	113	54-133			
Toluene	5.66	0.0250	5.00	ND	113	61-130			
Ethylbenzene	5.61	0.0250	5.00	ND	112	61-133			
p,m-Xylene	11.4	0.0500	10.0	ND	114	63-131			
o-Xylene	5.68	0.0250	5.00	ND	114	63-131			
Total Xylenes	17.0	0.0250	15.0	ND	114	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.68		8.00		109	70-130			

Matrix Spike Dup (2046010-MSD1)

Source: E011023-01 Prepared: 11/09/20 Analyzed: 11/09/20

Benzene	5.51	0.0250	5.00	ND	110	54-133	2.48	20	
Toluene	5.48	0.0250	5.00	ND	110	61-130	3.35	20	
Ethylbenzene	5.43	0.0250	5.00	ND	109	61-133	3.24	20	
p,m-Xylene	11.0	0.0500	10.0	ND	110	63-131	3.20	20	
o-Xylene	5.50	0.0250	5.00	ND	110	63-131	3.19	20	
Total Xylenes	16.5	0.0250	15.0	ND	110	63-131	3.20	20	
Surrogate: 4-Bromochlorobenzene-PID	8.70		8.00		109	70-130			



QC Summary Data

BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: Secord 7u 34-6-1 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 11/20/2020 11:12:23AM
---	---	------------------------------------

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2046010-BLK1)

Prepared: 11/09/20 Analyzed: 11/09/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.12		8.00		89.1	70-130			

LCS (2046010-BS2)

Prepared: 11/09/20 Analyzed: 11/09/20

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			

Matrix Spike (2046010-MS2)

Source: E011023-01 Prepared: 11/09/20 Analyzed: 11/09/20

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.09		8.00		88.6	70-130			

Matrix Spike Dup (2046010-MSD2)

Source: E011023-01 Prepared: 11/09/20 Analyzed: 11/09/20

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	95.1	70-130	1.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.84		8.00		85.5	70-130			



QC Summary Data

BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: Secord 7u 34-6-1 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 11/20/2020 11:12:23AM
---	---	------------------------------------

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2046025-BLK1)

Prepared: 11/12/20 Analyzed: 11/12/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: <i>n</i> -Nonane	47.9		50.0		95.9	50-200			

LCS (2046025-BS1)

Prepared: 11/12/20 Analyzed: 11/12/20

Diesel Range Organics (C10-C28)	456	25.0	500		91.2	38-132			
Surrogate: <i>n</i> -Nonane	47.8		50.0		95.6	50-200			

Matrix Spike (2046025-MS1)

Source: E011023-01 Prepared: 11/12/20 Analyzed: 11/12/20

Diesel Range Organics (C10-C28)	484	25.0	500	ND	96.8	38-132			
Surrogate: <i>n</i> -Nonane	37.3		50.0		74.5	50-200			

Matrix Spike Dup (2046025-MSD1)

Source: E011023-01 Prepared: 11/12/20 Analyzed: 11/12/20

Diesel Range Organics (C10-C28)	467	25.0	500	ND	93.3	38-132	3.64	20	
Surrogate: <i>n</i> -Nonane	32.3		50.0		64.7	50-200			



QC Summary Data

BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: Secord 7u 34-6-1 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 11/20/2020 11:12:23AM
---	---	------------------------------------

Total Metals by EPA 6010C

Analyst: AC

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2046005-BLK1)

Prepared: 11/11/20 Analyzed: 11/12/20

Arsenic	ND	0.500
Barium	ND	6.25
Cadmium	ND	0.250
Chromium	ND	0.500
Copper	ND	0.500
Lead	ND	0.250
Mercury	ND	0.250
Nickel	ND	1.25
Selenium	ND	1.25
Silver	ND	0.250
Zinc	ND	2.50

LCS (2046005-BS1)

Prepared: 11/11/20 Analyzed: 11/12/20

Arsenic	11.3	0.500	12.5	90.5	80-120
Barium	300	6.25	313	96.0	80-120
Cadmium	5.80	0.250	6.25	92.8	80-120
Chromium	27.4	0.500	25.0	109	80-120
Copper	13.3	0.500	12.5	106	80-120
Lead	5.96	0.250	6.25	95.4	80-120
Mercury	23.1	0.250	25.0	92.3	80-120
Nickel	29.9	1.25	31.3	95.6	80-120
Selenium	28.7	1.25	31.3	91.8	80-120
Silver	2.32	0.250	2.50	92.6	80-120
Zinc	60.0	2.50	62.5	95.9	80-120

Matrix Spike (2046005-MS1)

Source: E011026-01 Prepared: 11/11/20 Analyzed: 11/12/20

Arsenic	13.1	0.500	12.5	2.50	84.5	75-125
Barium	468	6.25	313	208	83.3	75-125
Cadmium	6.25	0.250	6.25	1.24	80.2	75-125
Chromium	34.1	0.500	25.0	13.1	84.0	75-125
Copper	26.3	0.500	12.5	15.2	88.9	75-125
Lead	16.0	0.250	6.25	10.9	82.1	75-125
Mercury	20.7	0.250	25.0	ND	83.0	75-125
Nickel	38.0	1.25	31.3	12.7	81.0	75-125
Selenium	24.0	1.25	31.3	ND	76.7	75-125
Silver	1.93	0.250	2.50	ND	77.1	75-125
Zinc	114	2.50	62.5	58.8	88.3	75-125

Matrix Spike Dup (2046005-MSD1)

Source: E011026-01 Prepared: 11/11/20 Analyzed: 11/12/20

Arsenic	12.5	0.500	12.5	2.50	79.6	75-125	4.80	20
Barium	472	6.25	313	208	84.4	75-125	0.745	20
Cadmium	6.32	0.250	6.25	1.24	81.3	75-125	1.15	20
Chromium	33.5	0.500	25.0	13.1	81.7	75-125	1.70	20
Copper	25.7	0.500	12.5	15.2	83.7	75-125	2.50	20
Lead	15.9	0.250	6.25	10.9	80.8	75-125	0.516	20
Mercury	21.2	0.250	25.0	ND	84.7	75-125	2.03	20
Nickel	38.6	1.25	31.3	12.7	83.0	75-125	1.63	20
Selenium	24.4	1.25	31.3	ND	78.1	75-125	1.78	20
Silver	1.91	0.250	2.50	ND	76.2	75-125	1.17	20
Zinc	116	2.50	62.5	58.8	91.6	75-125	1.78	20



QC Summary Data

BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: Secord 7u 34-6-1 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 11/20/2020 11:12:23AM
---	---	------------------------------------

Cation/Anion 10:1 Leach Procedure

Analyst: AC

Analyte	Result mg/L	Reporting Limit mg/L	Spike Level mg/L	Source Result mg/L	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	----------------	----------------------------	------------------------	--------------------------	----------	--------------------	----------	-------------------	-------

Blank (2046015-BLK1)

Prepared: 11/10/20 Analyzed: 11/10/20

Calcium	ND	1.00
Magnesium	ND	1.00
Sodium	ND	2.00

LCS (2046015-BS1)

Prepared: 11/10/20 Analyzed: 11/10/20

Calcium	49.9	1.00	50.0	99.7	80-120
Magnesium	50.6	1.00	50.0	101	80-120
Sodium	18.7	2.00	20.0	93.5	80-120

Matrix Spike (2046015-MS1)

Source: E011020-01 Prepared: 11/10/20 Analyzed: 11/10/20

Calcium	60.3	1.00	50.0	10.6	99.4	75-125	
Magnesium	50.5	1.00	50.0	ND	101	75-125	
Sodium	312	2.00	20.0	307	25.0	75-125	M2

Matrix Spike Dup (2046015-MSD1)

Source: E011020-01 Prepared: 11/10/20 Analyzed: 11/10/20

Calcium	60.2	1.00	50.0	10.6	99.1	75-125	0.282	20	
Magnesium	51.7	1.00	50.0	ND	103	75-125	2.23	20	
Sodium	316	2.00	20.0	307	47.5	75-125	1.43	20	M2



QC Summary Data

BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: Secord 7u 34-6-1 Project Number: 03143-0424 Project Manager: Steve Moskal	Reported: 11/20/2020 11:12:23AM
---	---	------------------------------------

Boron-Hot Water Soluble by EPA 6010C

Analyst: AC

Analyte	Result mg/L	Reporting Limit mg/L	Spike Level mg/L	Source Result mg/L	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	----------------	----------------------------	------------------------	--------------------------	----------	--------------------	----------	-------------------	-------

Blank (2046024-BLK1)

Prepared: 11/11/20 Analyzed: 11/16/20

Boron	ND	2.00							
-------	----	------	--	--	--	--	--	--	--

LCS (2046024-BS1)

Prepared: 11/11/20 Analyzed: 11/16/20

Boron	53.4	2.00	50.0	107	80-120				
-------	------	------	------	-----	--------	--	--	--	--

Matrix Spike (2046024-MS1)

Source: E011026-01 Prepared: 11/11/20 Analyzed: 11/16/20

Boron	55.7	2.00	50.0	ND	111	75-125			
-------	------	------	------	----	-----	--------	--	--	--

Matrix Spike Dup (2046024-MSD1)

Source: E011026-01 Prepared: 11/11/20 Analyzed: 11/16/20

Boron	54.1	2.00	50.0	ND	108	75-125	2.88	20
-------	------	------	------	----	-----	--------	------	----

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

BP America Production Co.	Project Name:	Secord 7u 34-6-1	
PO Box 22024	Project Number:	03143-0424	Reported:
Tulsa OK, 74121-2024	Project Manager:	Steve Moskal	11/20/20 11:12

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Client: <u>BP America</u> Project: <u>Second 74 34-6-1</u> Project Manager: <u>Steve Markel</u> Address: <u>199 Main St Ste 14</u> City, State, Zip: <u>Durango CO 81301</u> Phone: <u>505 330 9179</u> Email: <u>steve.markel@bpa.com</u> Report due by: _____					Bill To Attention: <u>CO Spill PO</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____					Lab Use Only Lab WO# <u>E0110260</u> Job Number <u>03143-0424</u> Analysis and Method DRO/ORO by 8015 _____ GRO/DRO by 8015 _____ BTEX by 8021 _____ VOC by 8260 _____ Metals 6010 _____ Chloride 300.0 _____ <u>Total 910</u>					TAT 1D _____ 2D _____ 3D _____ Standard <u>X</u>				EPA Program CWA _____ SDWA _____ RCRA _____ State _____ NM <u>X</u> CO _____ UT _____ AZ _____ TX _____						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TOTAL 910	1D	2D	3D	Standard	CWA	SDWA	RCRA	State	NM	CO	UT	AZ	TX
1:45	11/6/20	Soil	40222	SS01	1							X													
1:51	↓	↓	↓	SS02	2							X													
					</																				

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	BP America Production Co.	Date Received:	11/06/20 16:24	Work Order ID:	E011026
Phone:	(505) 330-9179	Date Logged In:	11/06/20 16:38	Logged In By:	Alexa Michaels
Email:	steven.moskal@bpx.com	Due Date:	11/20/20 17:00 (10 day TAT)		

Chain of Custody (COC)

- | | |
|---|-----|
| 1. Does the sample ID match the COC? | Yes |
| 2. Does the number of samples per sampling site location match the COC | Yes |
| 3. Were samples dropped off by client or carrier? | Yes |
| 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? | Yes |
| 5. Were all samples received within holding time? | Yes |

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Steve Moskal

Sample Turn Around Time (TAT)

- | | |
|---|-----|
| 6. Did the COC indicate standard TAT, or Expedited TAT? | Yes |
|---|-----|

Sample Cooler

- | | |
|--|-----|
| 7. Was a sample cooler received? | Yes |
| 8. If yes, was cooler received in good condition? | Yes |
| 9. Was the sample(s) received intact, i.e., not broken? | Yes |
| 10. Were custody/security seals present? | No |
| 11. If yes, were custody/security seals intact? | NA |
| 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C | Yes |

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- | | |
|---|-----|
| 13. If no visible ice, record the temperature. Actual sample temperature: | 4°C |
|---|-----|

Sample Container

- | | |
|--|-----|
| 14. Are aqueous VOC samples present? | No |
| 15. Are VOC samples collected in VOA Vials? | NA |
| 16. Is the head space less than 6-8 mm (pea sized or less)? | NA |
| 17. Was a trip blank (TB) included for VOC analyses? | NA |
| 18. Are non-VOC samples collected in the correct containers? | Yes |
| 19. Is the appropriate volume/weight or number of sample containers collected? | Yes |

Field Label

- | | |
|---|-----|
| 20. Were field sample labels filled out with the minimum information: | |
| Sample ID? | Yes |
| Date/Time Collected? | Yes |
| Collectors name? | Yes |

Sample Preservation

- | | |
|---|----|
| 21. Does the COC or field labels indicate the samples were preserved? | No |
| 22. Are sample(s) correctly preserved? | NA |
| 24. Is lab filtration required and/or requested for dissolved metals? | No |

Multiphase Sample Matrix

- | | |
|--|----|
| 26. Does the sample have more than one phase, i.e., multiphase? | No |
| 27. If yes, does the COC specify which phase(s) is to be analyzed? | NA |

Subcontract Laboratory

- | | |
|---|--|
| 28. Are samples required to get sent to a subcontract laboratory? | Yes |
| 29. Was a subcontract laboratory specified by the client and if so who? | No Subcontract Lab: Pace Analytical |

Client Instruction

Comments/Resolution

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



ANALYTICAL REPORT

November 19, 2020

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

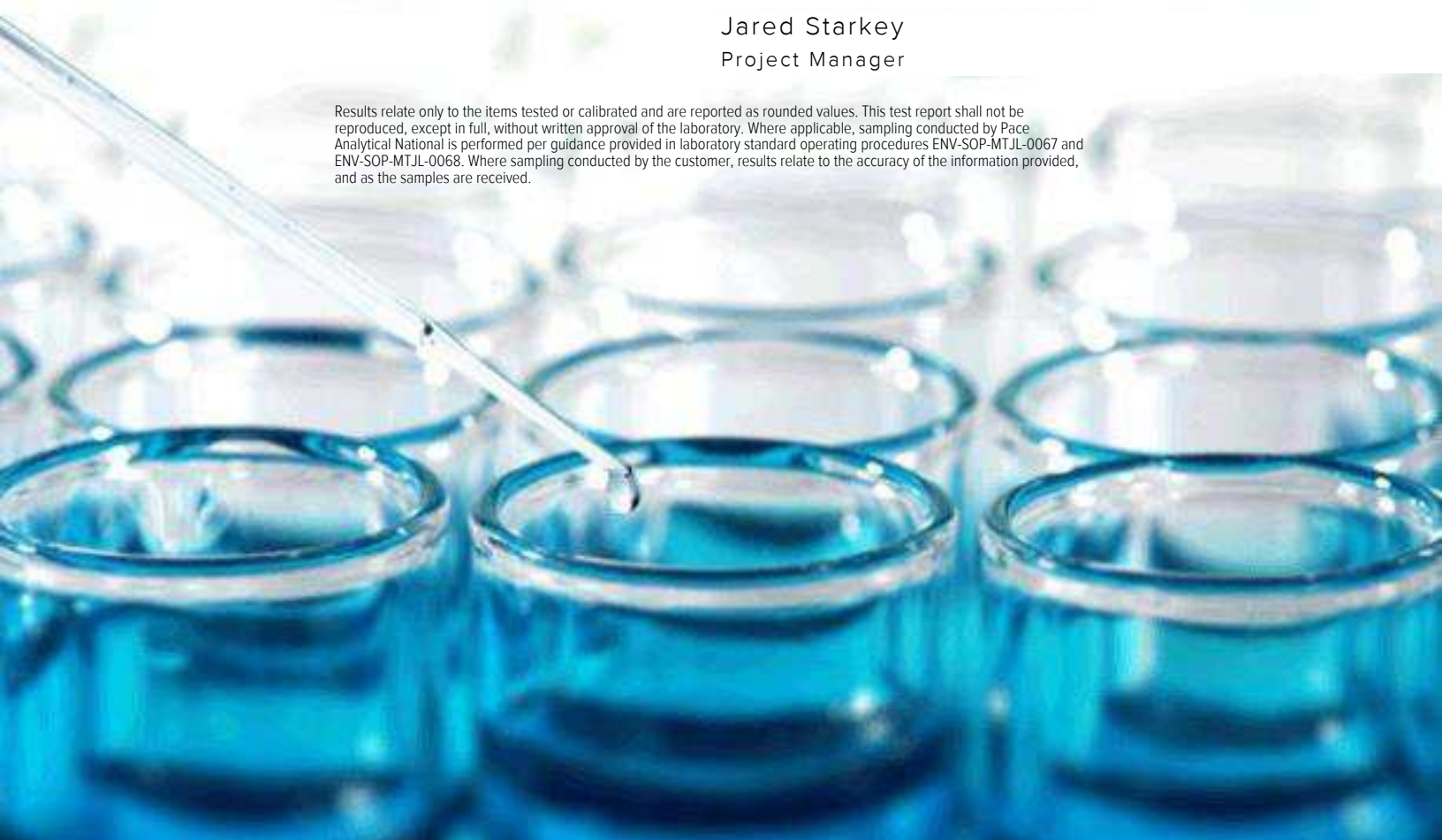
EnviroTech- NM

Sample Delivery Group: L1283944
Samples Received: 11/10/2020
Project Number: 03143-0424
Description: Secord 7u 34-6-1
Site: E011026
Report To: Raina & Alanna
5796 US. Highway 64
Farmington, NM 87401

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.





Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	³ Ss
SS01 L1283944-01	5	
SS02 L1283944-02	6	⁴ Cn
Qc: Quality Control Summary	7	⁵ Sr
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	7	
Gl: Glossary of Terms	9	⁶ Qc
Al: Accreditations & Locations	10	⁷ Gl
Sc: Sample Chain of Custody	11	⁸ Al
		⁹ Sc



SS01 L1283944-01 Solid

Collected by
S. MoskalCollected date/time
11/06/20 13:45Received date/time
11/10/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1577782	1	11/17/20 17:37	11/18/20 12:32	AAT	Mt. Juliet, TN

¹ Cp² Tc³ Ss

SS02 L1283944-02 Solid

Collected by
S. MoskalCollected date/time
11/06/20 13:51Received date/time
11/10/20 09:00

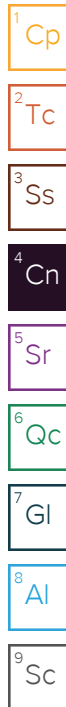
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1577782	1	11/17/20 17:37	11/18/20 13:24	AAT	Mt. Juliet, TN

⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager





Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	11/18/2020 12:32	WG1577782
Acenaphthene	ND		0.00600	1	11/18/2020 12:32	WG1577782
Acenaphthylene	ND		0.00600	1	11/18/2020 12:32	WG1577782
Benzo(a)anthracene	ND		0.00600	1	11/18/2020 12:32	WG1577782
Benzo(a)pyrene	ND		0.00600	1	11/18/2020 12:32	WG1577782
Benzo(b)fluoranthene	ND		0.00600	1	11/18/2020 12:32	WG1577782
Benzo(g,h,i)perylene	ND		0.00600	1	11/18/2020 12:32	WG1577782
Benzo(k)fluoranthene	ND		0.00600	1	11/18/2020 12:32	WG1577782
Chrysene	ND		0.00600	1	11/18/2020 12:32	WG1577782
Dibenz(a,h)anthracene	ND		0.00600	1	11/18/2020 12:32	WG1577782
Fluoranthene	ND		0.00600	1	11/18/2020 12:32	WG1577782
Fluorene	ND		0.00600	1	11/18/2020 12:32	WG1577782
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	11/18/2020 12:32	WG1577782
Naphthalene	ND		0.0200	1	11/18/2020 12:32	WG1577782
Phenanthrene	ND		0.00600	1	11/18/2020 12:32	WG1577782
Pyrene	ND		0.00600	1	11/18/2020 12:32	WG1577782
1-Methylnaphthalene	ND		0.0200	1	11/18/2020 12:32	WG1577782
2-Methylnaphthalene	ND		0.0200	1	11/18/2020 12:32	WG1577782
2-Chloronaphthalene	ND		0.0200	1	11/18/2020 12:32	WG1577782
(S) p-Terphenyl-d14	80.4		23.0-120		11/18/2020 12:32	WG1577782
(S) Nitrobenzene-d5	97.9		14.0-149		11/18/2020 12:32	WG1577782
(S) 2-Fluorobiphenyl	84.6		34.0-125		11/18/2020 12:32	WG1577782

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	11/18/2020 13:24	WG1577782
Acenaphthene	ND		0.00600	1	11/18/2020 13:24	WG1577782
Acenaphthylene	ND		0.00600	1	11/18/2020 13:24	WG1577782
Benzo(a)anthracene	ND		0.00600	1	11/18/2020 13:24	WG1577782
Benzo(a)pyrene	ND		0.00600	1	11/18/2020 13:24	WG1577782
Benzo(b)fluoranthene	ND		0.00600	1	11/18/2020 13:24	WG1577782
Benzo(g,h,i)perylene	ND		0.00600	1	11/18/2020 13:24	WG1577782
Benzo(k)fluoranthene	ND		0.00600	1	11/18/2020 13:24	WG1577782
Chrysene	ND		0.00600	1	11/18/2020 13:24	WG1577782
Dibenz(a,h)anthracene	ND		0.00600	1	11/18/2020 13:24	WG1577782
Fluoranthene	ND		0.00600	1	11/18/2020 13:24	WG1577782
Fluorene	ND		0.00600	1	11/18/2020 13:24	WG1577782
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	11/18/2020 13:24	WG1577782
Naphthalene	ND		0.0200	1	11/18/2020 13:24	WG1577782
Phenanthrene	ND		0.00600	1	11/18/2020 13:24	WG1577782
Pyrene	ND		0.00600	1	11/18/2020 13:24	WG1577782
1-Methylnaphthalene	ND		0.0200	1	11/18/2020 13:24	WG1577782
2-Methylnaphthalene	ND		0.0200	1	11/18/2020 13:24	WG1577782
2-Chloronaphthalene	ND		0.0200	1	11/18/2020 13:24	WG1577782
(S) p-Terphenyl-d14	56.8		23.0-120		11/18/2020 13:24	WG1577782
(S) Nitrobenzene-d5	65.9		14.0-149		11/18/2020 13:24	WG1577782
(S) 2-Fluorobiphenyl	63.0		34.0-125		11/18/2020 13:24	WG1577782

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3594710-2 11/18/20 11:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) Nitrobenzene-d5	92.4			14.0-149
(S) 2-Fluorobiphenyl	91.5			34.0-125
(S) p-Terphenyl-d14	85.9			23.0-120

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3594710-1 11/18/20 11:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0722	90.3	50.0-126	
Acenaphthene	0.0800	0.0661	82.6	50.0-120	
Acenaphthylene	0.0800	0.0748	93.5	50.0-120	
Benzo(a)anthracene	0.0800	0.0733	91.6	45.0-120	
Benzo(a)pyrene	0.0800	0.0630	78.8	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0620	77.5	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0604	75.5	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0663	82.9	49.0-125	
Chrysene	0.0800	0.0720	90.0	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0643	80.4	47.0-125	
Fluoranthene	0.0800	0.0745	93.1	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R3594710-1 11/18/20 11:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0726	90.8	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0644	80.5	46.0-125	
Naphthalene	0.0800	0.0671	83.9	50.0-120	
Phenanthrene	0.0800	0.0671	83.9	47.0-120	
Pyrene	0.0800	0.0644	80.5	43.0-123	
1-Methylnaphthalene	0.0800	0.0676	84.5	51.0-121	
2-Methylnaphthalene	0.0800	0.0645	80.6	50.0-120	
2-Chloronaphthalene	0.0800	0.0673	84.1	50.0-120	
(S) Nitrobenzene-d5			112	14.0-149	
(S) 2-Fluorobiphenyl			90.8	34.0-125	
(S) p-Terphenyl-d14			84.5	23.0-120	

L1283944-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1283944-01 11/18/20 12:32 • (MS) R3594710-3 11/18/20 12:49 • (MSD) R3594710-4 11/18/20 13:06

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0788	ND	0.0689	0.0688	87.4	87.3	1	10.0-145			0.145	30
Acenaphthene	0.0788	ND	0.0662	0.0645	84.0	81.9	1	14.0-127			2.60	27
Acenaphthylene	0.0788	ND	0.0751	0.0702	95.3	89.1	1	21.0-124			6.74	25
Benzo(a)anthracene	0.0788	ND	0.0677	0.0659	85.9	83.6	1	10.0-139			2.69	30
Benzo(a)pyrene	0.0788	ND	0.0615	0.0610	78.0	77.4	1	10.0-141			0.816	31
Benzo(b)fluoranthene	0.0788	ND	0.0613	0.0589	77.8	74.7	1	10.0-140			3.99	36
Benzo(g,h,i)perylene	0.0788	ND	0.0571	0.0556	72.5	70.6	1	10.0-140			2.66	33
Benzo(k)fluoranthene	0.0788	ND	0.0615	0.0610	78.0	77.4	1	10.0-137			0.816	31
Chrysene	0.0788	ND	0.0676	0.0663	85.8	84.1	1	10.0-145			1.94	30
Dibenz(a,h)anthracene	0.0788	ND	0.0612	0.0598	77.7	75.9	1	10.0-132			2.31	31
Fluoranthene	0.0788	ND	0.0707	0.0705	89.7	89.5	1	10.0-153			0.283	33
Fluorene	0.0788	ND	0.0748	0.0705	94.9	89.5	1	11.0-130			5.92	29
Indeno(1,2,3-cd)pyrene	0.0788	ND	0.0594	0.0591	75.4	75.0	1	10.0-137			0.506	32
Naphthalene	0.0788	ND	0.0666	0.0650	84.5	82.5	1	10.0-135			2.43	27
Phenanthrene	0.0788	ND	0.0641	0.0632	81.3	80.2	1	10.0-144			1.41	31
Pyrene	0.0788	ND	0.0618	0.0605	78.4	76.8	1	10.0-148			2.13	35
1-Methylnaphthalene	0.0788	ND	0.0687	0.0654	87.2	83.0	1	10.0-142			4.92	28
2-Methylnaphthalene	0.0788	ND	0.0639	0.0620	81.1	78.7	1	10.0-137			3.02	28
2-Chloronaphthalene	0.0788	ND	0.0673	0.0646	85.4	82.0	1	29.0-120			4.09	24
(S) Nitrobenzene-d5					103	99.1		14.0-149				
(S) 2-Fluorobiphenyl					89.3	85.5		34.0-125				
(S) p-Terphenyl-d14					83.2	80.0		23.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



[illegible]