

REMEDIATION TIME EXTENSION REQUEST

From: [Smith, Cory, EMNRD](#)
To: ["Vanessa Fields"](#)
Subject: RE: Extension Request on Epic Energy State J 5&J7 tank Battery nCS1932437061
Date: Monday, January 13, 2020 10:11:00 AM

Vanessa,

OCD approves Epics Energy request for additional remediation time due to weather. The completed closure plan is must be uploaded to the OCD portal no later than March 23, 2020.

Please include this approval in your Closure report.

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Vanessa Fields <vanessa@walsheng.net>
Sent: Wednesday, January 8, 2020 3:14 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Subject: [EXT] Extension Request on Epic Energy State J 5&J7 tank Battery nCS1932437061

Good afternoon Cory,

Epic Energy is requesting a 60 day extension to continue remediation efforts on the State J5 & J7 tank battery due to continual hydrocarbons being identified and weather permitting. The north and middle sections of the excavation were non-detect. However, the South portion of the release area continues to display high hydrocarbons.

Thank you,

Vanessa Fields
Regulatory Compliance Manager
Walsh Engineering /Epic Energy LLC.
O: 505-327-4892
C: 505-787-9100
vanessa@walsheng.net

Analytical Report

Report Summary

Client: Epic Energy

Samples Received: 12/26/2019

Job Number: 18012-0006

Work Order: P912079

Project Name/Location: State J 517

Report Reviewed By:



Date: 1/3/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc. attests the data reported has not been altered in any way.
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Envirotech, Inc. holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc. holds the Texas TNI certification T104704557-19-2 for the data reported.

Epic Energy
7420 Main Street
Farmington NM, 87402

Project Name: State J 517
Project Number: 18012-0006
Project Manager: Michael Dean

Reported:
01/03/20 11:54

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
State J 517 North	P912079-01A	Soil	12/26/19	12/26/19	Glass Jar, 4 oz.
State J 517 Middle	P912079-02A	Soil	12/26/19	12/26/19	Glass Jar, 4 oz.
State J 517 South	P912079-03A	Soil	12/26/19	12/26/19	Glass Jar, 4 oz.

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Epic Energy
 7420 Main Street
 Farmington NM, 87402

 Project Name: State J 517
 Project Number: 18012-0006
 Project Manager: Michael Dean

Reported:
 01/03/20 11:54

**State J 517 North
 P912079-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1953009	12/30/19	01/01/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1953009	12/30/19	01/01/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953009	12/30/19	01/01/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953009	12/30/19	01/01/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1953009	12/30/19	01/01/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1953009	12/30/19	01/01/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		99.7 %		70-130	1953009	12/30/19	01/01/20	EPA 8260B	
Surrogate: Toluene-d8		103 %		70-130	1953009	12/30/19	01/01/20	EPA 8260B	
Surrogate: Bromofluorobenzene		97.3 %		70-130	1953009	12/30/19	01/01/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953003	12/30/19	12/30/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953003	12/30/19	12/30/19	EPA 8015D	
Surrogate: n-Nonane		74.9 %		50-200	1953003	12/30/19	12/30/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953009	12/30/19	01/01/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		99.7 %		70-130	1953009	12/30/19	01/01/20	EPA 8015D	
Surrogate: Toluene-d8		103 %		70-130	1953009	12/30/19	01/01/20	EPA 8015D	
Surrogate: Bromofluorobenzene		97.3 %		70-130	1953009	12/30/19	01/01/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A	
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Epic Energy
 7420 Main Street
 Farmington NM, 87402

 Project Name: State J 517
 Project Number: 18012-0006
 Project Manager: Michael Dean

Reported:
 01/03/20 11:54

**State J 517 Middle
 P912079-02 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0250	mg/kg	1	1953009	12/30/19	01/01/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1953009	12/30/19	01/01/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1953009	12/30/19	01/01/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1953009	12/30/19	01/01/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1953009	12/30/19	01/01/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1953009	12/30/19	01/01/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		98.9 %		70-130	1953009	12/30/19	01/01/20	EPA 8260B	
Surrogate: Toluene-d8		99.9 %		70-130	1953009	12/30/19	01/01/20	EPA 8260B	
Surrogate: Bromofluorobenzene		96.2 %		70-130	1953009	12/30/19	01/01/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1953003	12/30/19	12/30/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1953003	12/30/19	12/30/19	EPA 8015D	
Surrogate: n-Nonane		84.5 %		50-200	1953003	12/30/19	12/30/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1953009	12/30/19	01/01/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		98.9 %		70-130	1953009	12/30/19	01/01/20	EPA 8015D	
Surrogate: Toluene-d8		99.9 %		70-130	1953009	12/30/19	01/01/20	EPA 8015D	
Surrogate: Bromofluorobenzene		96.2 %		70-130	1953009	12/30/19	01/01/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A	
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Epic Energy
 7420 Main Street
 Farmington NM, 87402

 Project Name: State J 517
 Project Number: 18012-0006
 Project Manager: Michael Dean

Reported:
 01/03/20 11:54

**State J 517 South
 P912079-03 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organic Compounds by 8260

Benzene	ND	0.0500	mg/kg	2	1953009	12/30/19	01/03/20	EPA 8260B	
Toluene	3.62	0.0500	mg/kg	2	1953009	12/30/19	01/03/20	EPA 8260B	
Ethylbenzene	2.06	0.0500	mg/kg	2	1953009	12/30/19	01/03/20	EPA 8260B	
p,m-Xylene	10.8	0.100	mg/kg	2	1953009	12/30/19	01/03/20	EPA 8260B	
o-Xylene	4.26	0.0500	mg/kg	2	1953009	12/30/19	01/03/20	EPA 8260B	
Total Xylenes	15.1	0.0500	mg/kg	2	1953009	12/30/19	01/03/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		98.5 %		70-130	1953009	12/30/19	01/03/20	EPA 8260B	
Surrogate: Toluene-d8		105 %		70-130	1953009	12/30/19	01/03/20	EPA 8260B	
Surrogate: Bromofluorobenzene		102 %		70-130	1953009	12/30/19	01/03/20	EPA 8260B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	20500	125	mg/kg	5	1953003	12/30/19	12/30/19	EPA 8015D	
Oil Range Organics (C28-C40)	4070	250	mg/kg	5	1953003	12/30/19	12/30/19	EPA 8015D	
Surrogate: n-Nonane		650 %		50-200	1953003	12/30/19	12/30/19	EPA 8015D	S3

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	127	40.0	mg/kg	2	1953009	12/30/19	01/03/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		98.5 %		70-130	1953009	12/30/19	01/03/20	EPA 8015D	
Surrogate: Toluene-d8		105 %		70-130	1953009	12/30/19	01/03/20	EPA 8015D	
Surrogate: Bromofluorobenzene		102 %		70-130	1953009	12/30/19	01/03/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1953014	12/31/19	01/02/20	EPA 300.0/9056A	
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Epic Energy
7420 Main Street
Farmington NM, 87402

Project Name: State J 517
Project Number: 18012-0006
Project Manager: Michael Dean

Reported:
01/03/20 11:54

Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1953009 - Purge and Trap EPA 5030A

Blank (1953009-BLK1)

Prepared: 12/30/19 1 Analyzed: 01/01/20 0

Benzene	ND	0.0250	mg/kg							
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: 1,2-Dichloroethane-d4	0.493		"	0.500		98.6	70-130			
Surrogate: Toluene-d8	0.503		"	0.500		101	70-130			
Surrogate: Bromofluorobenzene	0.456		"	0.500		91.2	70-130			

LCS (1953009-BS1)

Prepared: 12/30/19 1 Analyzed: 01/01/20 0

Benzene	2.19	0.0250	mg/kg	2.50		87.6	70-130			
Toluene	2.19	0.0250	"	2.50		87.6	70-130			
Ethylbenzene	2.29	0.0250	"	2.50		91.8	70-130			
p,m-Xylene	4.44	0.0500	"	5.00		88.8	70-130			
o-Xylene	2.21	0.0250	"	2.50		88.3	70-130			
Total Xylenes	6.65	0.0250	"	7.50		88.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		"	0.500		99.8	70-130			
Surrogate: Toluene-d8	0.508		"	0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.496		"	0.500		99.1	70-130			

Matrix Spike (1953009-MS1)

Source: P912078-01

Prepared: 12/30/19 1 Analyzed: 01/01/20 0

Benzene	2.20	0.0250	mg/kg	2.50	ND	87.9	48-131			
Toluene	2.23	0.0250	"	2.50	ND	89.3	48-130			
Ethylbenzene	2.31	0.0250	"	2.50	ND	92.6	45-135			
p,m-Xylene	4.45	0.0500	"	5.00	ND	89.1	43-135			
o-Xylene	2.21	0.0250	"	2.50	ND	88.6	43-135			
Total Xylenes	6.67	0.0250	"	7.50	ND	88.9	43-135			
Surrogate: 1,2-Dichloroethane-d4	0.507		"	0.500		101	70-130			
Surrogate: Toluene-d8	0.517		"	0.500		103	70-130			
Surrogate: Bromofluorobenzene	0.501		"	0.500		100	70-130			

Matrix Spike Dup (1953009-MSD1)

Source: P912078-01

Prepared: 12/30/19 1 Analyzed: 01/01/20 0

Benzene	2.24	0.0250	mg/kg	2.50	ND	89.8	48-131	2.12	23	
Toluene	2.36	0.0250	"	2.50	ND	94.5	48-130	5.63	24	
Ethylbenzene	2.46	0.0250	"	2.50	ND	98.4	45-135	6.12	27	
p,m-Xylene	4.74	0.0500	"	5.00	ND	94.7	43-135	6.10	27	
o-Xylene	2.37	0.0250	"	2.50	ND	94.7	43-135	6.66	27	
Total Xylenes	7.10	0.0250	"	7.50	ND	94.7	43-135	6.29	27	
Surrogate: 1,2-Dichloroethane-d4	0.482		"	0.500		96.4	70-130			
Surrogate: Toluene-d8	0.520		"	0.500		104	70-130			
Surrogate: Bromofluorobenzene	0.513		"	0.500		103	70-130			

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Epic Energy
 7420 Main Street
 Farmington NM, 87402

 Project Name: State J 517
 Project Number: 18012-0006
 Project Manager: Michael Dean

Reported:
 01/03/20 11:54

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1953003 - DRO Extraction EPA 3570
Blank (1953003-BLK1)

Prepared: 12/30/19 0 Analyzed: 12/30/19 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	47.1		"	50.0		94.3	50-200			

LCS (1953003-BS1)

Prepared: 12/30/19 0 Analyzed: 12/30/19 1

Diesel Range Organics (C10-C28)	461	25.0	mg/kg	500		92.2	38-132			
Surrogate: n-Nonane	47.6		"	50.0		95.2	50-200			

Matrix Spike (1953003-MS1)
Source: P912078-01

Prepared: 12/30/19 0 Analyzed: 12/30/19 2

Diesel Range Organics (C10-C28)	663	25.0	mg/kg	500	148	103	38-132			
Surrogate: n-Nonane	56.9		"	50.0		114	50-200			

Matrix Spike Dup (1953003-MSD1)
Source: P912078-01

Prepared: 12/30/19 0 Analyzed: 12/30/19 2

Diesel Range Organics (C10-C28)	622	25.0	mg/kg	500	148	94.9	38-132	6.25	20	
Surrogate: n-Nonane	56.6		"	50.0		113	50-200			

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Epic Energy	Project Name:	State J 517	Reported: 01/03/20 11:54
7420 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Michael Dean	

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1953009 - Purge and Trap EPA 5030A

Blank (1953009-BLK1)

Prepared: 12/30/19 1 Analyzed: 01/01/20 0

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	0.493		"	0.500		98.6	70-130			
Surrogate: Toluene-d8	0.503		"	0.500		101	70-130			
Surrogate: Bromofluorobenzene	0.456		"	0.500		91.2	70-130			

LCS (1953009-BS2)

Prepared: 12/30/19 1 Analyzed: 01/01/20 0

Gasoline Range Organics (C6-C10)	52.9	20.0	mg/kg	50.0		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		"	0.500		101	70-130			
Surrogate: Toluene-d8	0.510		"	0.500		102	70-130			
Surrogate: Bromofluorobenzene	0.484		"	0.500		96.7	70-130			

Matrix Spike (1953009-MS2)

Source: P912078-01

Prepared: 12/30/19 1 Analyzed: 01/01/20 0

Gasoline Range Organics (C6-C10)	53.0	20.0	mg/kg	50.0	ND	106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		"	0.500		95.5	70-130			
Surrogate: Toluene-d8	0.502		"	0.500		100	70-130			
Surrogate: Bromofluorobenzene	0.487		"	0.500		97.4	70-130			

Matrix Spike Dup (1953009-MSD2)

Source: P912078-01

Prepared: 12/30/19 1 Analyzed: 01/01/20 0

Gasoline Range Organics (C6-C10)	53.6	20.0	mg/kg	50.0	ND	107	70-130	1.18	20	
Surrogate: 1,2-Dichloroethane-d4	0.494		"	0.500		98.8	70-130			
Surrogate: Toluene-d8	0.503		"	0.500		101	70-130			
Surrogate: Bromofluorobenzene	0.492		"	0.500		98.4	70-130			

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Epic Energy	Project Name: State J 517	
7420 Main Street	Project Number: 18012-0006	Reported:
Farmington NM, 87402	Project Manager: Michael Dean	01/03/20 11:54

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1953014 - Anion Extraction EPA 300.0/9056A

Blank (1953014-BLK1)

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Chloride	ND	20.0	mg/kg
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LCS (1953014-BS1)

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Chloride	251	20.0	mg/kg	250	100	90-110
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Matrix Spike (1953014-MS1)

Source: P912078-01

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Chloride	338	20.0	mg/kg	250	57.5	112	80-120
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Matrix Spike Dup (1953014-MSD1)

Source: P912078-01

Prepared: 12/31/19 1 Analyzed: 01/02/20 1

Chloride	341	20.0	mg/kg	250	57.5	114	80-120	1.06	20
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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.

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Epic Energy
7420 Main Street
Farmington NM, 87402

Project Name: State J 517
Project Number: 18012-0006
Project Manager: Michael Dean

Reported:
01/03/20 11:54

Notes and Definitions

S3 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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Page 1 of 1

Page 11 of 11