analytics environmental laboratory LLC

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Ms. Nina Anderson
Inspectorate America Corporation
12000 Aerospace Ave, Suite 200
Houston TX 77034-5576

Report Number: 70045

Revision: Rev. 0

Re: Sprague Energy (Project No: 4101-11-01)

Enclosed are the results of the analyses on your sample(s). Samples were received on 25 May 2011 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
70045-1	05/23/11	Tank 208-So Portland-201102000445-1	Electronic Data Deliverable	
	05/23/11	Tank 208-So Portland-201102000445-1	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and is accredited by the Deparment of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 6/6/11

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June 6, 2011

SAMPLE DATA

Lab Sample ID: 70045-1
Matrix: Solid
Percent Solid: 100
Dilution Factor: 85
Collection Date: 05/23/11
Lab Receipt Date: 05/25/11
Analysis Date: 06/03/11

CLIENT SAMPLE ID

Project Name: Sprague Energy

Project Number: 4101-11-01

Field Sample ID: Tank 208-So Portland-201102000445-1

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Limit of Detection (LOD) µg/kg	Limit of Quantitation (LOQ) µg/kg	Result µg/kg	COMPOUND	Limit of Detection (LOD) µg/kg	Limit of Quantitation (LOQ) µg/kg	Result µg/kg
Chloroethane	42	85	U	1,1-Dichloroethane	42	85	U
Chloroform	42	64	U	1,1-Dichloroethene	42	64	U
Chloromethane	42	85	U	1,1-Dichloropropene	42	85	U
cis-1,2-Dichloroethene	42	85	U	1,2,3-Trichlorobenzene	42	85	U
cis-1,3-Dichloropropene	42	85	U	1,2,3-Trichloropropane	42	85	U
Dibromochloromethane	42	64	U	1,2,4-Trichlorobenzene	42	85	U
Dibromomethane	42	85	U	1,2,4-Trimethylbenzene	42	85	**60 J**
Dichlorodifluoromethane	42	85	U	1,2-Dibromo-3-chloropropane	42	85	U
Ethylbenzene	42	85	U	1,2-Dibromoethane	42	64	U
Freon-113	42	85	U	1,2-Dichlorobenzene	42	85	U
Hexachlorobutadiene	42	85	U	1,2-Dichloroethane	42	64	U
Isopropl benzene	42	85	U	1,2-Dichloropropane	42	64	U
m,p-Xylene	42	85	**46 J**	1,3,5-Trimethylbenzene	42	85	U
Methyl-tert-butyl ether (MTBE)	42	64	U	1,3-Dichlorobenzene	42	85	U
Methylene chloride	212	424	U	1,3-Dichloropropane	42	85	U
Naphthalene	42	85	**55 J**	1,4-Dichlorobenzene	42	85	U
n-Butylbenzene	42	85	U	2,2-Dichloropropane	42	85	U
n-Propylbenzene	42	85	U	Methyl ethyl ketone	424	847	U
o-Xylene	42	85	U	2-Chlorotoluene	42	85	U
sec-Butylbenzene	42	85	U	2-Hexanone	424	847	U
Styrene	42	85	U	4-Chlorotoluene	42	85	U
tert-Butylbenzene	42	85	U	4-Isopropyltoluene	42	85	U
Tetrachloroethene	42	85	U	4-Methyl-2-pentanone	424	847	U
Tetrahydrofuran	212	424	U	Acetone	424	847	U
Toluene	42	85	U	Benzene	42	85	U
trans-1,2-Dichloroethene	42	85	U	Bromobenzene	42	85	U
trans-1,3-Dichloropropene	42	85	U	Bromochloromethane	42	85	U
Trichloroethene	42	85	U	Bromodichloromethane	42	64	U
Trichlorofluoromethane	42	85	U	Bromoform	42	64	U
Vinyl chloride	42	85	U	Bromomethane	42	85	U
Xylenes (total)	42	85	U	Carbon Disulfide	42	85	U
1,1,1,2-Tetrachloroethane	42	85	U	Carbon tetrachloride	42	85	U
1,1,1-Trichloroethane	42	85	U	Chlorobenzene	42	85	U
1,1,2,2-Tetrachloroethane	42	64	U	(TIC) n-Heptane	NA	NA	NF
1,1,2-Trichloroethane	42	64	U	(TIC) n-Hexane	NA	NA	NF

Surrogate Standard Recovery

Bromofluorobenzene	95%	d4-1,2-Dichloroethane	108%	d8-Toluene	99%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B. Results between the LOD and LOQ are reported as estimated (J flag). Difficult compounds and laboratory contaminants are not reported below the LOQ

COMMENTS: Results are expressed on a dry weight basis. TIC=Tentatively Identified Compound. NF=Not Found using NIST library search criteria.

set2Column2TierWTICs:Res(0):Rec(0) - Inspectorate_OIL_2Tier_wTICS

Authorized signature

INSPECTORATE
A Bureau Veritas Group Company

Chain of Custody Form

Cooler 168
Temp 4.6°C

Project Name: Sprague Energy
Project #: 4101-11-01
IAC Office: SOUTH PORTLAND MAINE
IAC Job No.: 020-0003870
Terminal: Sprague Rolling Mills
Samples iced: Yes No
Analysis: **EPA 8260B/5035**
Matrix: **Organic**
Preservation: **Methanol**

Send Report: nina.anderson@inspectorate.com
12000 aerospace avenue, suite 200
Houston, TX 77034
Temp of Control 4.6 °C
TAT: 5 days

(*) Both vials state "Tank 208 - So. Portland - 2011-020-00455-001", which is -1 and which is -2, also should it be "00455" like labels or "00445" like COC? -CP 5/25/11

Samples on hold until sample discrepancies are addressed.

Sample No (*)	Sample Date	Sample Time	Tank No.	Sampled By	Product Grade	Sample
Tank 208-So Portland-201102000445-1	5/23/2011	900	Tank 208	Mark Bickford	Asphalt Pg 64-28	Spigot 70045
Tank 208-So Portland-201102000445-2-1	5/23/2011	900	Tank 208	Mark Bickford	Asphalt Pg 64-28	Spigot -1

Both samples are the same no need to distinguish as per client CP/1/11 SHC

1 * sample labels are correct as per client COC needs to be edited to match sample labels SHC 6/1/11

SHC 6/1/11

Sprague Representative: [signature]
Date/Time: 5-23-11 1900

Received By: [signature] 5-23-11
Date/Time: 1990

Received By: [signature]
Date/Time: 5-25-11 1010

Relinquished by: [signature]
Date/Time: 5/25/11 1010

Relinquished by:
Date/Time: SHC 6/1/11

2011-020-00455-001

Whiteboard ID: 0020-0003870

1100245591

Sample From:

TANK 208 EPA

Product :

PG64-28 ASPHALT

Vessel: EPA SAMPLE

Terminal: SPRAGUE ROLLING MILLS

Date Received: **05/23/2011**

Retain Period: 120

Container Type: Vial

	1	
1		0

UN# 1999

connie.lane

2011-020-00455-001

Whiteboard ID: 0020-0003870

1100245592

Sample From:

TANK 208 EPA

Product :

PG64-28 ASPHALT

Vessel: EPA SAMPLE

Terminal: SPRAGUE ROLLING MILLS

Date Received: **05/23/2011**

Retain Period: 120

Container Type: Vial

	1	
1		0

UN# 1999

connie.lane

analytics environmental laboratory LLC

ANALYTICS SAMPLE RECEIPT CHECKLIST

AEL LAB#: 70045

CLIENT: Inspectorate

PROJECT: Sprague Energy

COOLER NUMBER: 168

NUMBER OF COOLERS: 1

DATE RECEIVED: 5.25.11

A: PRELIMINARY EXAMINATION:

DATE COOLER OPENED: 5.25.11

1. Cooler received by(initials): LM

Date Received: 5.25.11

2. Circle one: Hand delivered (If so, skip 3) Shipped

3. Did cooler come with a shipping slip? Y N/A

3a. Enter carrier name and airbill number here:

4. Were custody seals on the outside of cooler? Y N

How many & where: — Seal Date: — Seal Name:

5. Did the custody seals arrive unbroken and intact upon arrival? Y N/A

6. COC.. N/A

7. Were Custody papers filled out properly (ink,signed, etc)? Y N

8. Were custody papers sealed in a plastic bag? Y N

9. Did you sign the COC in the appropriate place? Y N

10. Was the project identifiable from the COC papers? Y N

11. Was enough ice used to chill the cooler? Y N Temp. of cooler: 4.6°

B. Log-In: Date samples were logged in: SHC By: 6/2/11

12. Type of packing in cooler(bubble wrap, popcorn) Y N

13. Were all bottles sealed in separate plastic bags? Y N

14. Did all bottles arrive unbroken and were labels in good condition? Y N

15. Were all bottle labels complete(ID,Date,time,etc.) Y N

16. Did all bottle labels agree with custody papers? Y N - See COC

17. Were the correct containers used for the tests indicated: Y N

18. Were samples received at the correct pH? Y N/A

19. Was sufficient amount of sample sent for the tests indicated? Y N

20. Were all samples submitted within holding time? Y N

21. Were bubbles absent in VOA samples? Y N/A

If NO, List Sample ID's and Lab #s:

22. Laboratory labeling verified by (initials): JSB Date: 6/2/11