

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

May 11, 2011

Amereco Inc.
204 E. Jefferson
Valparaiso, IN 46383
Telephone: (219) 531-0531
Fax: (219) 464-0464

RE: Studebaker Area A-Phase 4, South Bend, IN

STAT Project No: 11050271

Dear John Blosky:

STAT Analysis received 1 sample for the referenced project on 5/6/2011 2:00:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

Client: Amereco Inc.
Project: Studebaker Area A-Phase 4, South Bend, IN
Lab Order: 11050271

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
11050271-001A	W-3		5/5/2011 9:35:00 AM	5/6/2011

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Report Date: May 11, 2011

Print Date: May 11, 2011

Client:	Amereco Inc.	Client Sample ID:	W-3
Lab Order:	11050271	Tag Number:	
Project:	Studebaker Area A-Phase 4, South Bend, IN	Collection Date:	5/5/2011 9:35:00 AM
Lab ID:	11050271-001A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Mercury	SW1311/7470A				Prep Date: 5/9/2011	Analyst: JG
Mercury	ND	0.0002		mg/L	1	5/10/2011
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)				Prep Date: 5/9/2011	Analyst: JG
Arsenic	ND	0.01		mg/L	5	5/9/2011
Barium	ND	0.5		mg/L	5	5/9/2011
Cadmium	0.014	0.005		mg/L	5	5/9/2011
Chromium	ND	0.05		mg/L	5	5/9/2011
Lead	0.018	0.005		mg/L	5	5/9/2011
Selenium	ND	0.01		mg/L	5	5/9/2011
Silver	ND	0.01		mg/L	5	5/9/2011

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

CHAIN OF CUSTODY RECORD

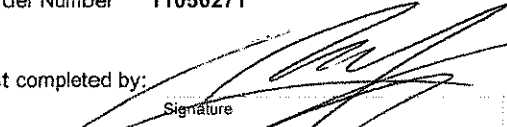
Page: 1 of 1

Company: Amerco Engineering Project Number: _____ Project Name: Studebaker Area A - Phase 4 Project Location: South Bend, IN Sampler(s): J. Rugg Report To: John Blosky Phone: 219-531-0531 Fax: 219-464-0464 e-mail: labresult@amerecoeng.com		P.O. No.: _____ Quote No.: _____	Turn Around: S-DAY
QC Level: 1 2 3 4 1 2 3 4		Client Tracking No.: _____	Results Needed: _____ am/pm
Client Sample Number/Description: W-03	Date Taken: 5/5/11	Time Taken: 9:35am	Lab No.: 00
Matrix: SOIL	Comp.: X	Grab: A	Remarks:
Preserv.:	No. of Containers: 1	(Empty grid for data entry)	(Empty grid for data entry)
Relinquished by: (Signature) <i>[Signature]</i>		Date/Time: 5/6/11 10:00	Laboratory Work Order No.: 1105027 Received on Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Temperature: 41.6 °C
Received by: (Signature) <i>[Signature]</i>		Date/Time: 5/6/11 10:00	
Relinquished by: (Signature) <i>[Signature]</i>		Date/Time: 5/6/11 1400	
Received by: (Signature) <i>[Signature]</i>		Date/Time: 5/6/11 1400	
Relinquished by: (Signature) <i>[Signature]</i>		Date/Time: _____	
Received by: (Signature) <i>[Signature]</i>		Date/Time: _____	Comments: Sample placed on ice
Preservation Code: A = None B = HNO ₃ C = NaOH D = H ₂ SO ₄ E = HCl F = 5035/EnCore G = Other			

Sample Receipt Checklist

Client Name **AMERECO** Date and Time Received: **5/6/2011 2:00:00 PM**

Work Order Number **11050271** Received by: **CDF**

Checklist completed by:  Date **5/6/11** Reviewed by: **KL** **5/9/11**
Signature Date Initials Date

Matrix: _____ Carrier name: **STAT Analysis**

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels/containers? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container or Temp Blank temperature in compliance? Yes No Temperature **4.6 °C**
- Water - VOA vials have zero headspace? No VOA vials submitted Yes No
- Water - Samples pH checked? Yes No Checked by: _____
- Water - Samples properly preserved? Yes No pH Adjusted? _____

Any No response must be detailed in the comments section below.

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Comments:

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Client / Person contacted: _____ Date contacted: _____ Contacted by: _____

Response:

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Prep Start Date: **5/10/2011 10:17:00**

Prep End Date:

Prep Factor Units:
mL / mL

Prep Batch **56026** Prep Code: **M_W_PREP** Technician: **JMS**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 5/9/11			50	0	0	50	1.000	5/9/2011	5/9/2011
ILCSW1 5/9/11			50	0	0	50	1.000	5/9/2011	5/9/2011
11050147-001C	Aqueous		50	0	0	50	1.000	5/9/2011	5/9/2011
11050147-001CMS	Aqueous		50	0	0	50	1.000	5/9/2011	5/9/2011
11050147-001CMSD	Aqueous		50	0	0	50	1.000	5/9/2011	5/9/2011
IMBTCLP1 5/6/11			50	0	0	50	1.000	5/9/2011	5/9/2011
11050269-001A	Soil		50	0	0	50	1.000	5/9/2011	5/9/2011
11050269-001AMS	Soil		50	0	0	50	1.000	5/9/2011	5/9/2011
11041016-011A	Soil		50	0	0	50	1.000	5/9/2011	5/9/2011
11050209-001A	Filter		50	0	0	50	1.000	5/9/2011	5/9/2011
11050209-002A	Filter		50	0	0	50	1.000	5/9/2011	5/9/2011
11050209-003A	Filter		50	0	0	50	1.000	5/9/2011	5/9/2011
11050209-004A	Filter		50	0	0	50	1.000	5/9/2011	5/9/2011
11050210-001A	Filter		50	0	0	50	1.000	5/9/2011	5/9/2011
11050210-002A	Filter		50	0	0	50	1.000	5/9/2011	5/9/2011
11050210-003A	Filter		50	0	0	50	1.000	5/9/2011	5/9/2011
11050210-004A	Filter		50	0	0	50	1.000	5/9/2011	5/9/2011
11050255-001A	Sludge		50	0	0	50	1.000	5/9/2011	5/9/2011
11050255-002A	Oil		50	0	0	50	1.000	5/9/2011	5/9/2011
11050270-001A	Soil		50	0	0	50	1.000	5/9/2011	5/9/2011
11050271-001A	Soil		50	0	0	50	1.000	5/9/2011	5/9/2011
11050147-002C	Aqueous		50	0	0	50	1.000	5/9/2011	5/9/2011
11050159-001A	Aqueous		50	0	0	50	1.000	5/10/2011	5/10/2011
11050159-002A	Aqueous		50	0	0	50	1.000	5/10/2011	5/10/2011
11050159-003A	Aqueous		50	0	0	50	1.000	5/10/2011	5/10/2011

Prep Start Date: **5/10/2011 10:17:00**

Prep End Date:

Prep Factor Units:

Prep Batch **56026**Prep Code: **M_W_PREP**Technician: **JMS****mL / mL**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
11050159-004A	Aqueous		50	0	0	50	1.000	5/10/2011	5/10/2011

CLIENT: Amereco Inc.
Work Order: 11050271
Project: Studebaker Area A-Phase 4, South Bend, IN

ANALYTICAL QC SUMMARY REPORT

BatchID: 56026

Sample ID	IMBTCLP1 5/6/11	SampType: MBLK	TestCode: M_ICPMS_T+	Units: mg/L	Prep Date: 5/9/2011	Run ID: ICPMS_110509B
Client ID:	ZZZZZ	Batch ID: 56026	TestNo: SW1311/6020	Analysis Date: 5/9/2011	SeqNo: 1910572	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.010									
Barium	0.318	0.50									J
Cadmium	ND	0.0050									
Chromium	ND	0.050									
Lead	0.00156	0.0050									J
Selenium	ND	0.010									
Silver	ND	0.010									

Sample ID	11050269-001AMS	SampType: MS	TestCode: M_ICPMS_T+	Units: mg/L	Prep Date: 5/9/2011	Run ID: ICPMS_110509B
Client ID:	ZZZZZ	Batch ID: 56026	TestNo: SW1311/6020	Analysis Date: 5/9/2011	SeqNo: 1910574	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5271	0.010	0.5	0	105	75	125	0	0		
Barium	1.749	0.50	0.5	1.165	117	75	125	0	0		
Cadmium	0.5547	0.0050	0.5	0.09568	91.8	75	125	0	0		
Chromium	0.4952	0.050	0.5	0.00792	97.5	75	125	0	0		
Lead	0.5804	0.0050	0.5	0.02656	111	75	125	0	0		
Selenium	0.4678	0.010	0.5	0	93.6	75	125	0	0		
Silver	0.1884	0.010	0.2	0	94.2	75	125	0	0		

Sample ID	IMBW1 5/9/11	SampType: MBLK	TestCode: M_ICPMS_W	Units: mg/L	Prep Date: 5/9/2011	Run ID: ICPMS-2_110509A
Client ID:	ZZZZZ	Batch ID: 56026	TestNo: SW6020	Analysis Date: 5/9/2011	SeqNo: 1910525	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0040									
Barium	ND	0.0040									
Cadmium	ND	0.0020									
Chromium	0.00889	0.020									J
Lead	0.00154	0.0020									J

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Amereco Inc.
Work Order: 11050271
Project: Studebaker Area A-Phase 4, South Bend, IN

ANALYTICAL QC SUMMARY REPORT

BatchID: 56026

Sample ID IMBW1 5/9/11	SampType: MBLK	TestCode: M_ICPMS_W	Units: mg/L	Prep Date: 5/9/2011	Run ID: ICPMS-2_110509A						
Client ID: ZZZZZ	Batch ID: 56026	TestNo: SW6020		Analysis Date: 5/9/2011	SeqNo: 1910525						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium	ND	0.0040
Silver	ND	0.0040

Sample ID ILCSW1 5/9/11	SampType: LCS	TestCode: M_ICPMS_W	Units: mg/L	Prep Date: 5/9/2011	Run ID: ICPMS-2_110509A						
Client ID: ZZZZZ	Batch ID: 56026	TestNo: SW6020		Analysis Date: 5/9/2011	SeqNo: 1910526						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	0.4784	0.0040	0.5	0	95.7	80	120	0	0
Barium	0.4794	0.0040	0.5	0	95.9	80	120	0	0
Cadmium	0.4729	0.0020	0.5	0	94.6	80	120	0	0
Chromium	0.485	0.020	0.5	0.00889	95.2	80	120	0	0
Lead	0.4844	0.0020	0.5	0.00154	96.6	80	120	0	0
Selenium	0.4827	0.0040	0.5	0	96.5	80	120	0	0
Silver	0.197	0.0040	0.2	0	98.5	80	120	0	0

Sample ID 11050147-001CMS	SampType: MS	TestCode: M_ICPMS_W	Units: mg/L	Prep Date: 5/9/2011	Run ID: ICPMS_110509B						
Client ID: ZZZZZ	Batch ID: 56026	TestNo: SW6020		Analysis Date: 5/9/2011	SeqNo: 1910567						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	0.5286	0.0040	0.5	0.00662	104	75	125	0	0
Barium	0.6433	0.0040	0.5	0.09393	110	75	125	0	0
Cadmium	0.4929	0.0020	0.5	0.00069	98.4	75	125	0	0
Chromium	0.4771	0.020	0.5	0.02397	90.6	75	125	0	0
Lead	0.5555	0.0020	0.5	0.02849	105	75	125	0	0
Selenium	0.4723	0.0040	0.5	0.004	93.7	75	125	0	0
Silver	0.2027	0.0040	0.2	0	101	75	125	0	0

Qualifiers: ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits * - Non Accredited Parameter	S - Spike Recovery outside accepted recovery limits R - RPD outside accepted recovery limits H/HT - Holding Time Exceeded	B - Analyte detected in the associated Method Blank E - Value above quantitation range
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CLIENT: Amereco Inc.
Work Order: 11050271
Project: Studebaker Area A-Phase 4, South Bend, IN

ANALYTICAL QC SUMMARY REPORT

BatchID: 56026

Sample ID	11050147-001CMSD	SampType: MSD	TestCode: M_ICPMS_W	Units: mg/L	Prep Date: 5/9/2011	Run ID: ICPMS_110509B					
Client ID: ZZZZZ	Batch ID: 56026	TestNo: SW6020	Analysis Date: 5/9/2011				SeqNo: 1910568				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.549	0.0040	0.5	0.00662	108	75	125	0.5286	3.79	20	
Barium	0.6798	0.0040	0.5	0.09393	117	75	125	0.6433	5.52	20	
Cadmium	0.521	0.0020	0.5	0.00069	104	75	125	0.4929	5.54	20	
Chromium	0.5117	0.020	0.5	0.02397	97.5	75	125	0.4771	7.00	20	
Lead	0.5889	0.0020	0.5	0.02849	112	75	125	0.5555	5.84	20	
Selenium	0.5057	0.0040	0.5	0.004	100	75	125	0.4723	6.83	20	
Silver	0.2098	0.0040	0.2	0	105	75	125	0.2027	3.44	20	

Qualifiers: ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits * - Non Accredited Parameter	S - Spike Recovery outside accepted recovery limits R - RPD outside accepted recovery limits H/HT - Holding Time Exceeded	B - Analyte detected in the associated Method Blank E - Value above quantitation range
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Prep Start Date: **5/9/2011 5:30:00 PM**

Prep End Date: **5/9/2011 7:30:00 PM**

Prep Factor Units:
mL / mL

Prep Batch **56052** Prep Code: **M_HG_W_PRE** Technician: **LB**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW1 5/9/11			30	0	0	30	1.000	5/9/2011	5/9/2011
HGLCSW1 5/9/11			30	0	0	30	1.000	5/9/2011	5/9/2011
HGMBTCLP1 5/6/11			30	0	0	30	1.000	5/9/2011	5/9/2011
11041016-011A	Soil		30	0	0	30	1.000	5/9/2011	5/9/2011
11050209-001A	Filter		30	0	0	30	1.000	5/9/2011	5/9/2011
11050209-002A	Filter		30	0	0	30	1.000	5/9/2011	5/9/2011
11050209-003A	Filter		30	0	0	30	1.000	5/9/2011	5/9/2011
11050209-004A	Filter		30	0	0	30	1.000	5/9/2011	5/9/2011
11050210-001A	Filter		30	0	0	30	1.000	5/9/2011	5/9/2011
11050210-002A	Filter		30	0	0	30	1.000	5/9/2011	5/9/2011
11050210-003A	Filter		30	0	0	30	1.000	5/9/2011	5/9/2011
11050210-004A	Filter		30	0	0	30	1.000	5/9/2011	5/9/2011
11050269-001A	Soil		30	0	0	30	1.000	5/9/2011	5/9/2011
11050270-001A	Soil		30	0	0	30	1.000	5/9/2011	5/9/2011
11050271-001A	Soil		30	0	0	30	1.000	5/9/2011	5/9/2011
11041016-011AMS	Soil		30	0	0	30	1.000	5/9/2011	5/9/2011
11041016-011AMSD	Soil		30	0	0	30	1.000	5/9/2011	5/9/2011

CLIENT: Amereco Inc.
Work Order: 11050271
Project: Studebaker Area A-Phase 4, South Bend, IN

ANALYTICAL QC SUMMARY REPORT

BatchID: 56052

Sample ID	HGMBTCLP1 5/6/11	SampType:	MBLK	TestCode:	M_1311_HG	Units:	mg/L	Prep Date:	5/9/2011	Run ID:	CETAC_110510A											
Client ID:	ZZZZZ	Batch ID:	56052	TestNo:	SW1311/7470			Analysis Date:	5/10/2011	SeqNo:	1910914											
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC		LowLimit		HighLimit		RPD Ref Val		%RPD		RPDLimit		Qual

Mercury		ND		0.00020																		
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Sample ID	11041016-011AMS	SampType:	MS	TestCode:	M_1311_HG	Units:	mg/L	Prep Date:	5/9/2011	Run ID:	CETAC_110510A											
Client ID:	ZZZZZ	Batch ID:	56052	TestNo:	SW1311/7470			Analysis Date:	5/10/2011	SeqNo:	1910916											
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC		LowLimit		HighLimit		RPD Ref Val		%RPD		RPDLimit		Qual

Mercury		0.00288		0.00020		0.0025		0		115		75		125		0		0				
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Sample ID	11041016-011AMSD	SampType:	MSD	TestCode:	M_1311_HG	Units:	mg/L	Prep Date:	5/9/2011	Run ID:	CETAC_110510A											
Client ID:	ZZZZZ	Batch ID:	56052	TestNo:	SW1311/7470			Analysis Date:	5/10/2011	SeqNo:	1910917											
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC		LowLimit		HighLimit		RPD Ref Val		%RPD		RPDLimit		Qual

Mercury		0.0029		0.00020		0.0025		0		116		75		125		0.00288		0.692		20		
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Sample ID	HGMBW1 5/9/11	SampType:	MBLK	TestCode:	M_HG_WATE	Units:	mg/L	Prep Date:	5/9/2011	Run ID:	CETAC_110510A											
Client ID:	ZZZZZ	Batch ID:	56052	TestNo:	SW7470A			Analysis Date:	5/10/2011	SeqNo:	1910912											
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC		LowLimit		HighLimit		RPD Ref Val		%RPD		RPDLimit		Qual

Mercury		ND		0.00020																		
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Sample ID	HGLCSW1 5/9/11	SampType:	LCS	TestCode:	M_HG_WATE	Units:	mg/L	Prep Date:	5/9/2011	Run ID:	CETAC_110510A											
Client ID:	ZZZZZ	Batch ID:	56052	TestNo:	SW7470A			Analysis Date:	5/10/2011	SeqNo:	1910913											
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC		LowLimit		HighLimit		RPD Ref Val		%RPD		RPDLimit		Qual

Mercury		0.00247		0.00020		0.0025		0		98.8		85		115		0		0				
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Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded