



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC Products CO

Certificate of Analysis Number:

12345678

<u>Report To:</u> ABC PRODUCTS CO Joe Credeur 8880 Interchange Drive Houston TX 77054 ph (713) 660-0901 fax:	<u>Project Name:</u> Sycamore Street <u>Site:</u> Sycamore Street <u>Site Address:</u> 1234 Sycamore Street Houston TX <u>PO Number:</u> <u>State:</u> TEXAS <u>State Cert. No.:</u> TX102 <u>Date Reported:</u> 2/1/2002
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HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

ABC Products CO

Certificate of Analysis Number:

12345678

Report To: ABC PRODUCTS CO
 Joe Credeur
 8880 Interchange Drive

 Houston
 TX
 77054
 ph (713 660-0901 fax: (713) 660-8975

Project Name: Sycamore Street
Site: Sycamore Street
Site Address: 1234 Sycamore Street
 Houston TX

PO Number:
State: TEXAS
State Cert. No.: TX102
Date Reported: 2/1/2002

Fax To:

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
GW-1	12345678-01	Water	1/24/2002 3:00:00 PM	1/25/2002 9:30:00 AM		<input type="checkbox"/>
GW-2	12345678-02	Water	1/24/2002 2:01:00 PM	1/25/2002 9:30:00 AM		<input type="checkbox"/>
GW-3	12345678-03	Water	1/24/2002 11:59:00 AM	1/25/2002 9:30:00 AM		<input type="checkbox"/>
GW-4	12345678-04	Water	1/24/2002 3:56:00 PM	1/25/2002 9:30:00 AM		<input type="checkbox"/>

Bernadette Fini
 Customer Service Manager

2/1/2002

Date

Joel Grice
 Laboratory Director

 Ted Yen
 Quality Assurance Officer



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID: GW-1 Collected: 01/25/2002 15:00 SPL Sample ID: 12345678-01

Site: Sycamore Street

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY MODIFIED 8260B			MCL	SW8260BMOD	Units: ug/L		
Benzene	ND	0.5	1		01/29/02 5:45	DO	6067801
Diisopropyl Ether	ND	1	1		01/29/02 5:45	DO	6067801
Ethyl tert-butyl ether	ND	1	1		01/29/02 5:45	DO	6067801
Ethylbenzene	ND	1	1		01/29/02 5:45	DO	6067801
Gasoline Range Organics	ND	50	1		01/29/02 5:45	DO	6067801
Methyl tert-butyl ether	ND	1	1		01/29/02 5:45	DO	6067801
tert-Amyl methyl ether	ND	1	1		01/29/02 5:45	DO	6067801
tert-Butyl alcohol	ND	50	1		01/29/02 5:45	DO	6067801
Toluene	ND	1	1		01/29/02 5:45	DO	6067801
m&p-Xylene	ND	1	1		01/29/02 5:45	DO	6067801
o-Xylene	ND	1	1		01/29/02 5:45	DO	6067801
Total Xylene	ND	1	1		01/29/02 5:45	DO	6067801
Surr: Toluene d-8	92.1	% 70-130	1		01/29/02 5:45	DO	6067801

Bernadette Fini
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte detected in the associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated Value between MDL and PQL



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID: GW-3 Collected: 01/25/2002 11:59 SPL Sample ID: 12345678-03

Site: Sycamore Street

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY MODIFIED 8260B			MCL	SW8260BMOD	Units: ug/L		
Benzene	ND	0.5	1		01/29/02 6:47	DO	6067804
Diisopropyl Ether	ND	1	1		01/29/02 6:47	DO	6067804
Ethyl tert-butyl ether	ND	1	1		01/29/02 6:47	DO	6067804
Ethylbenzene	ND	1	1		01/29/02 6:47	DO	6067804
Gasoline Range Organics	ND	50	1		01/29/02 6:47	DO	6067804
Methyl tert-butyl ether	ND	1	1		01/29/02 6:47	DO	6067804
tert-Amyl methyl ether	ND	1	1		01/29/02 6:47	DO	6067804
tert-Butyl alcohol	ND	50	1		01/29/02 6:47	DO	6067804
Toluene	ND	1	1		01/29/02 6:47	DO	6067804
m&p-Xylene	ND	1	1		01/29/02 6:47	DO	6067804
o-Xylene	ND	1	1		01/29/02 6:47	DO	6067804
Total Xylene	ND	1	1		01/29/02 6:47	DO	6067804
Surr: Toluene d-8	90.8	% 70-130	1		01/29/02 6:47	DO	6067804

Bernadette Fini
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte detected in the associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated Value between MDL and PQL



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID: GW-4 Collected: 01/25/2002 15:56 SPL Sample ID: 12345678-04

Site: Sycamore Street

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY MODIFIED 8260B			MCL	SW8260BMOD	Units: ug/L		
Benzene	ND	0.5	1		01/29/02 7:18	DO	6067805
Diisopropyl Ether	ND	1	1		01/29/02 7:18	DO	6067805
Ethyl tert-butyl ether	ND	1	1		01/29/02 7:18	DO	6067805
Ethylbenzene	ND	1	1		01/29/02 7:18	DO	6067805
Gasoline Range Organics	ND	50	1		01/29/02 7:18	DO	6067805
Methyl tert-butyl ether	ND	1	1		01/29/02 7:18	DO	6067805
tert-Amyl methyl ether	ND	1	1		01/29/02 7:18	DO	6067805
tert-Butyl alcohol	ND	50	1		01/29/02 7:18	DO	6067805
Toluene	ND	1	1		01/29/02 7:18	DO	6067805
m&p-Xylene	ND	1	1		01/29/02 7:18	DO	6067805
o-Xylene	ND	1	1		01/29/02 7:18	DO	6067805
Total Xylene	ND	1	1		01/29/02 7:18	DO	6067805
Surr: Toluene d-8	92.1	% 70-130	1		01/29/02 7:18	DO	6067805

Bernadette Fini
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte detected in the associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated Value between MDL and PQL

Quality Control Documentation



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC Products CO

Analysis: Volatile Organics by Modified 8260B
Method: SW8260BMOD

WorkOrder: 12345678
Lab Batch ID: R78901

Method Blank

Samples in Analytical Batch:

RunID: MSDVOA2_020405A-10875 Units: ug/L
Analysis Date: 01/28/2002 16:46 Analyst: DO

Lab Sample ID Client Sample ID
12345678-01A GW-1
12345678-02A GW-2
12345678-03A GW-3
12345678-04A GW-4

Table with 3 columns: Analyte, Result, Rep Limit. Rows include Benzene, Diisopropyl Ether, Ethyl tert-butyl ether, Ethylbenzene, Gasoline Range Organics, Methyl tert-butyl ether, tert-Amyl methyl ether, tert-Butyl alcohol, Toluene, m&p-Xylene, o-Xylene, Total Xylene, and Surr: Toluene d-8.

Laboratory Control Sample (LCS)

RunID: MSDVOA2_125497A-98345 Units: ug/L
Analysis Date: 01/29/2002 15:27 Analyst: DO

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Rows include Benzene, Diisopropyl Ether, Ethyl tert-butyl ether, Ethylbenzene, Gasoline Range Organics, Methyl tert-butyl ether, tert-Amyl methyl ether, tert-Butyl alcohol, Toluene, m&p-Xylene, o-Xylene, and Total Xylene.

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC Products CO

Analysis: Volatile Organics by Modified 8260B
Method: SW8260BMOD

WorkOrder: 12345678
Lab Batch ID: R78901

Sample Spiked: 12354768-01
RunID: MSDVOA2_125497A-98346 Units: ug/L
Analysis Date: 01/29/2002 1:35 Analyst: DO

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include Benzene, Diisopropyl Ether, Ethyl tert-butyl ether, Ethylbenzene, Gasoline Range Organics, Methyl tert-butyl ether, tert-Amyl methyl ether, tert-Butyl alcohol, Toluene, m&p-Xylene, o-Xylene, Total Xylene.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

*Sample Receipt Checklist
And
Chain of Custody*



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Sample Receipt Checklist

Workorder:	12345678	Received By:	DS
Date and Time Received:	1/26/2002 9:30:00 AM	Carrier name:	FedEx
Temperature:	3	Chilled by:	Water Ice

- | | | | |
|---|--|-----------------------------|---|
| 1. Shipping container/cooler in good condition? | Ye <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact on shipping container/cooler? | Ye <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Ye <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Ye <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Chain of custody signed when relinquished and received? | Ye <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody agrees with sample labels? | Ye <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Samples in proper container/bottle? | Ye <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Sample containers intact? | Ye <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sufficient sample volume for indicated test? | Ye <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. All samples received within holding time? | Ye <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. Container/Temp Blank temperature in compliance? | Ye <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Water - VOA vials have zero headspace | Ye <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |
| 13. Water - pH acceptable upon receipt? | Ye <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

SPL Representative:	<input type="text"/>	Contact Date & Time:	<input type="text"/>
Client Name Contacted:	<input type="text"/>		
Non Conformance Issues:	<input type="text"/>		
Client Instructions:	<input type="text"/>		



SPL, INC.
Analysis Request & Chain of Custody
Record

SPL Workorder No:

12345678

Page 1 of 1

Client Name: <u>ABC Products Co.</u>					matrix	bottle	size	pres.	Number of Containers	REQUESTED ANALYSIS														
Address/Phone: <u>8880 Interchange (bx 77054)</u>										W=water S=soil SL=sludge O=other	P=plastic A=amber G=glass V=vial	1=1liter 4=4oz 40=vial 8=8oz 16=16oz	1=HCl 2=HNO3 3=H2SO4 O=other	TPH 600 / 8260 MGD										
Client Contact: <u>Joe Credeur</u>																								
Project Contact: <u>Joe Credeur</u>																								
Project No.: <u>75627</u>																								
Project Location: <u>Sycamore Street</u>																								
Invoice To: <u>ABC PRODUCTS CO</u>																								
SAMPLE ID	DATE	TIME	COMP	GRAB																				
CW-1	1/24/02	3:00pm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	W	V	4	1	3	V														
GW-2	↓	2:01pm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	W	V	4	1	3	V														
GW-3	↓	11:54AM	<input type="checkbox"/>	<input checked="" type="checkbox"/>	W	V	4	1	3	V														
GW-4	↓	3:56pm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	W	V	4	1	3	V														
			<input type="checkbox"/>	<input type="checkbox"/>																				
			<input type="checkbox"/>	<input type="checkbox"/>																				
			<input type="checkbox"/>	<input type="checkbox"/>																				
			<input type="checkbox"/>	<input type="checkbox"/>																				
			<input type="checkbox"/>	<input type="checkbox"/>																				

Client/Consultant Remarks: _____ Laboratory Remarks: _____ Intact? Y N
 Temp: 50C

Requested TAT	Special Reporting Requirements Standard QC <input type="checkbox"/>	Fax Results <input checked="" type="checkbox"/> Level 3 QC <input type="checkbox"/>	Raw Data <input type="checkbox"/> Level 4 QC <input type="checkbox"/>	Special Detection Limits (specify):	PM review (initial): <u>BF</u>
24hr <input type="checkbox"/> 72hr <input type="checkbox"/>	1. Relinquished by Sampler: <u>Joe Smith</u>		date <u>1/25/02</u>	time <u>5:10pm</u>	2. Received by: <u>J. Credeur</u>
48hr <input type="checkbox"/> Std. <input checked="" type="checkbox"/>	3. Relinquished by: <u>J. Credeur</u>		date <u>1/26/02</u>	time <u>7:30 AM</u>	4. Received by: <u>Don Smith</u>
Other <input type="checkbox"/>	5. Relinquished by: <u>Don Smith</u>		date <u>1/26/02</u>	time <u>9:30 AM</u>	6. Received by Laboratory: <u>Bill Allen</u>

- 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901
- 500 Ambassador Caffery Parkway, Scott, LA 70583 (337) 237-4775
- 459 Hughes Drive, Traverse City, MI 49684 (231) 947-5777