Hillsboro Landfill, Inc.

3205 SE MINTER BRIDGE ROAD HILLSBORO, OR 97123

PERMIT # 9679

PERMIT TO DISPOSE OF NON-HAZARDOUS MATERIALS

This permit authorizes disposal of Customer's waste materials in accordance with the Industrial Waste & Disposal Services Agreement dated *2/2004*.

EXPIRES: 7/5/06

GENERATOR: CONOCOPHILLIPS/WILLBRIDGE

DESCRIPTION: *SOIL/SOLIDS/SLUDGE OIL WATER SEPARATOR*	TONS: *5 tons*
☒ SPECIAL WASTE ☐ CS ☐ C&D ☐ CLEAN-UP	
LOCATION: *PORTLAND, OREGON* *5528 NW DOANE AVENUE*	COUNTY: *Multnomah*
CONTACT: *SCOTT GILFILLAN*	PHONE: *360-957-2018*
	FAX: *503-247-1002*

BILLING: *Landfill account COWLITZ CLEAN SWEEP*	PO#: *N/A*	JOB#: *N/A*

We accept business checks, cash, VISA / Mastercard or charge(with prior approval)

SPECIAL HANDLING : *NOTE: NO FREE LIQUIDS*

MK TyT

APPROVED: KC *KRISTIN CASTNER* DATE: *04/05/06 2:18:58 PM*

A COPY OF THIS PERMIT MUST BE SHOWN BY EACH DRIVER

THERE IS A MINIMUM CHARGE OF $50-$60 FOR EACH LOAD OF SPECIAL WASTE

WASTE MANAGEMENT

HAZARDOUS WASTE IS STRICTLY PROHIBITED

9638

WM
WASTE MANAGEMENT

Columbia Ridge, Hillsboro, Riverbend, Graham Road, Capital, Wenatchee

Profile Number: 9679
Expiration Date: 7-5-06

WASTE PROFILE SHEET
TERMS & CONDITIONS

Service Agreement on File? ☐ Yes ☐ No

This form is to be used to comply with the requirements of governmental waste screening criteria.

Profile Addendum Attached? ☐ Yes ☐ No

A. Waste Generator Information

1. Generator/Site Name: ConocoPhillips/Willbridge
2. SIC Code:
3. Site Address: 5528 Nw Doane Ave
4. Site City: Portland
5. Site State: OR
7. Zip Code: 97210
6. Site County: Multnomah
8. Generator USEPA/Federal ID#:
9. Site Phone: 503-248-1517
10. Customer Name: ConocoPhillips
11. Customer Phone: 503-248-1517
12. Customer Contact: Marty Craimer
13. Customer FAX: 503-248-1592

B. Waste Stream and Billing Information

1. Waste Description, Category: Sludge
3. Billing Address:
2. State Waste Code:
4. Process Generating Waste: Soil/Solids Settling out in Oil-Water-Separator at Pump-and-Treat Product Recovery System at Petroleum Terminal
5. Transporter/Transfer Station: CCS
6. Shipping Method: Truck
7. Estimated Quantity (Weight & Vol.): 5 tons per ☐ Job ☒ Year ☐ Other
8. Delivery Date(s): March 2006 & Fall 2006
9. Personal Protective Equipment Requirements:
10. Is this a US Dept. of Transportation (USDOT) Hazardous Material? ☐ Yes ☒ No (If no, skip 10, 11 and 12)
11. Reportable Quantity:
12. Hazard Class / I.D. #:
13. Shipping Name:

☐ Check if additional information is attached, indicate the number of attached pages: 5

C. Generator's Certification

		Yes	No	
1.	Is the waste represented by this waste profile sheet a "Hazardous Waste" as defined by USEPA, Canadian, Mexican, State, or Provincial regulation?	☐	☒	
2.	Does the waste represented by this waste profile sheet contain regulated radioactive material or regulated concentrations of Polychlorinated Biphenyls (PCBs)?	☐	☒	
3.	Does this waste profile sheet and all attachments contain true and accurate descriptions of the waste material?	☒	☐	
4.	Has all relevant information within the possession of the Generator and Customer regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor?	☒	☐	
5.	Is the analytical data attached hereto derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules?	☒	☐	☐ N/A
6.	Will all changes that occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor?	☒	☐	

D. WM Management's Decision

1. Management Method: Comingle
2. Designated Facility: HIF
3. Hours of acceptance: ☐ N/A
4. Precautions, Special Handling Procedures, or Limitations on Approval: NFL

Generic Approval: ☐ Yes ☐ No

Special Waste Decision: ☒ Approved ☐ Disapproved

Sales Person: Date: Technical Manager: KC Date: 4-5-06

GENERATOR AND CUSTOMER MUST READ AND SIGN REVERSE HEREOF INITIAL [initials] INITIAL

COP0015937

TERMS AND CONDITIONS

1. ACCEPTABLE WASTE. Customer shall deliver and Company shall accept for disposal or other management purpose only Acceptable Waste. As used herein, "Customer" shall mean both Customer and Generator listed on the reverse hereof. Customer shall deliver the full quantity of Acceptable Waste generated and/or handled by Customer as estimated on the reverse hereof. Acceptable Waste means and includes only such waste as is described on the reverse and which is approved and permitted for management at the Designated Facility listed on the reverse, and shall not include any Nonconforming Waste. As used herein, Nonconforming Waste means waste that: (a) is not in conformance with the description and/or estimated quantity of the waste set forth on the reverse; (b) is or contains any infectious waste, or radioactive, volatile, corrosive, highly flammable, explosive, biomedical, biohazardous material or hazardous, dangerous, or toxic substances, as defined pursuant to or listed or regulated under applicable federal, state or local law, except as stated on the reverse; or (c) is prohibited from being received, managed or disposed of at the Designated Facility by federal, state or local law, regulation, rule, code, ordinance, order, permit or permit condition;

2. REPRESENTATIONS & WARRANTIES. Customer represents and warrants that (a) the description of the waste set forth on the reverse hereof is true and correct in all material respects; (b) all waste delivered to the Designated Facility by Customer shall be Acceptable Waste as defined above and shall not be or contain Nonconforming Waste; (c) Customer shall, and shall cause any carrier with which it contracts to, handle and transport the waste in a safe and workmanlike manner in full compliance with all applicable federal, state and local laws, ordinances, decisions, orders, rules or regulations; and (d) Customer has advised its drivers of Company's prohibition on delivery of Nonconforming Waste, of the definitions and listing of hazardous waste and hazardous substances under applicable federal and state law and regulations and of the definition of Acceptable Waste herein. Company represents and warrants that it shall manage the Acceptable Waste in a safe and workmanlike manner in full compliance with all applicable federal, state and local laws, ordinances, decisions, orders, rules or regulations.

3. WASTE REJECTION. Company may inspect, analyze or test any waste delivered by Customer and/or may reject, refuse or revoke acceptance of any waste if, in the opinion of Company, the waste or tender of delivery fails to conform to or Customer fails to comply with the terms of this Agreement, including by delivery of Nonconforming Waste. Company may also reject any waste which (a) Company reasonably believes would, as a result of or upon disposal or other management, be a violation of local, state or federal law, regulation, ordinance or permits, including land use restrictions or conditions applicable to the Designated Facility; or (b) in Company's opinion would present a significant risk to human health or the environment, cause a nuisance or otherwise create or expose Company or Customer to potential liability. Company also shall have the right to refuse to accept or to reject any Acceptable Waste in the event of Customer's failure to pay fees owed by Customer hereunder. In the event Company rejects or revokes acceptance of waste hereunder, Customer shall, at its sole cost, immediately remove or arrange to have the rejected waste removed from Company's control or property. Customer shall pay and/or reimburse Company for any and all costs, damages and/or fines incurred as a result of or relating to Customer's tender or delivery of Nonconforming Waste or other failure to comply or conform to this Agreement, including costs of inspection, testing and analysis.

4. SPECIAL HANDLING; TITLE. If Company elects, in its sole discretion, to handle, rather than reject, Nonconforming Waste, Company shall have the right to manage such Nonconforming Waste in the manner deemed most appropriate by Company given the characteristics of the Nonconforming Waste. Company may assess and Customer shall pay additional fees associated with delivery of Nonconforming Waste, including, but not limited to, special handling or disposal charges, and costs associated with different quantities of waste, different delivery dates, modifications in operations, specialized equipment, and other operational, environmental, health, safety or regulatory requirements. Title to and ownership of Acceptable Waste shall transfer to Company upon its final acceptance of Acceptable Waste. Title to, ownership of and liability for Nonconforming Waste shall at all times remain with Customer. Revocation of acceptance by Company shall operate to revest all incidents of ownership in Customer.

5. INDEMNITY. Each party hereto (the "Indemnitor") hereby agrees to indemnify, hold harmless and defend the other party, and its owners, officers, directors, employees and agents (collectively, the "Indemnitees"), from and against any and all liabilities, penalties, fines, forfeitures, fees, demands, claims, causes of action, suits, judgments and costs and expenses incidental thereto, including attorneys' fees (collectively, "Damages"), which any or all of the Indemnitees may hereafter suffer, incur, be responsible for or pay out, including for personal injuries, property damage, or contamination of or adverse effects on the environment, to the extent caused by, or arising from or in connection with the breach of any representations or warranties of the Indemnitor set forth in this Agreement, or any negligent actions or omissions or willful misconduct of the Indemnitor, its employees, officers, owners, directors or agents, or the violation of any law, ordinance or regulation, including, without limitation, the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. § 9601 et seq., as amended. Such indemnity shall exclude Damages to the extent they arise as a result of any negligent actions or omissions or willful misconduct of the Indemnitees or their employees, officers, owners, directors or agents. The indemnification obligation hereunder shall arise only in excess of any available and collectible insurance proceeds and the Indemnitor shall be liable hereunder to pay only its share of the amount of Damages, if any, that exceeds the total amount that all insurance has paid for the Damages, plus the total of all deductible and self-insured expenses paid under all insurance policies. The obligations in this Section 5 shall survive the performance and termination of this Agreement.

6. UNCONTROLLABLE CIRCUMSTANCES; TERMINATION. Except for the obligation to pay fees hereunder, the performance of this Agreement may be discontinued or temporarily suspended by either party, and neither party shall be deemed to be in breach of this Agreement, in the event performance is prevented by a cause or causes beyond the reasonable control of the affected party. Such causes shall include, but not be limited to, acts of God, acts of war, riot, fire, explosion, accident, flood or sabotage, governmental laws (including nuisance), permit conditions, regulations, restrictions (including land use), condition of the waste, injunction or actions or omissions of third party transporters or other contractors, suppliers or vendors. Company may immediately terminate management services hereunder upon written notice to Customer in the event Customer breaches any term, provision or obligation under this Agreement, in which case Customer shall be liable for and shall pay to Company all costs and losses incurred by Company as a result of or relating to any such termination.

7. MISCELLANEOUS. This Agreement shall be governed by the laws of the state in which the Designated Facility is located. Every provision of this Agreement shall be severable. This Agreement represents the entire understanding and Agreement between the parties relating to the management of waste, except that, if the parties, or their parent companies, are parties to a national service agreement, the terms of such national service agreement shall govern over any inconsistent terms in this Agreement. No representations, statements or Agreements, unless agreed to by the parties in writing, shall modify, change, amend or otherwise affect the obligations undertaken in this Agreement. No waiver by either party of any one or more defaults or breaches by the other in the performance of this Agreement shall operate or be construed as a waiver of any future defaults or breaches. Customer may not assign this Agreement without the prior written consent of Company. This Agreement shall be binding upon and shall inure to the benefit of the parties' successors and assigns.

THIS IS A LEGALLY BINDING CONTRACT. EACH UNDERSIGNED INDIVIDUAL ACKNOWLEDGES THAT HE/SHE HAS READ AND UNDERSTANDS THE TERMS AND CONDITIONS OF THIS AGREEMENT SET FORTH ABOVE AND ON THE REVERSE HEREOF AND THAT HE/SHE HAS THE AUTHORITY TO SIGN ON BEHALF OF CUSTOMER/GENERATOR AND COMPANY. BY SIGNING BELOW, CUSTOMER AND GENERATOR INDICATE A FIRST HAND KNOWLEDGE OF THE WASTE'S CHARACTERISTICS AND CERTIFY THE TRUTH OF THE INFORMATION ON THE REVERSE HEREOF. AGREED TO AS OF THE DATES BELOW.

CUSTOMER:	GENERATOR:	COMPANY:
(AUTHORIZED SIGNATURE)	(AUTHORIZED SIGNATURE)	(AUTHORIZED SIGNATURE)
(NAME, TITLE) Scott Griffin [illegible] Div. [illegible]	(NAME, TITLE) [illegible]	(NAME, TITLE)
DATE: 4-4-06	DATE: 3/24/06	DATE: 4/5/06

105447 v04.SE (2@4V04!.DOC) (#106447 v4 - Landfill Services Waste Profile and Terms)
11/21/00 6:00 PM

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8242
phone (425) 420-9200 fax (425) 420-9210
Spokane 11512 East 1st Avenue, Spokane Valley, WA 99206-5412
phone (509) 924-9200 fax (509) 924-9290
Portland 6105 SW Hampton Avenue, Suite 220, Portland, OR 97008-7113
phone (503) 200-9200 fax (503) 200-9210
Bend 20112 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone (541) 383-3310 fax (541) 383-7580
Anchorage 2000 W Dimond Avenue, Suite A-10, Anchorage, AK 99502-1101
phone (907) 563-9200 fax (907) 563-9210

Delta Environmental Consultants - Tigard	Project Name:	Tosco #0603, Portland, OR	
7150 SW Hampton - Suite 220	Project Number	[none]	Report Created
Tigard, OR 97223	Project Manager	Tim Browning	02/27/06 12:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Solids	P6B0464-01	Soil	02/06/06 14:00	02/13/06 10:00

www.ncalabs.com

Seattle 1200 North Lynn Way N, Suite 400, Renton, WA 98055-6264
phone: (425) 420-9200 fax: (425) 420-9210
Anchorage 1120 E. 3rd Ave., Suite 100, Anchorage, AK 99501-2102
phone: (907) 334-9200 fax: (907) 334-9210
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906-9200 fax: (503) 906-9210
Bend 20332 Empire Avenue, Suite E-1, Bend, OR 97701-5711
phone: (541) 383-9310 fax: (541) 383-9311
Anchorage 2000 W International Airport Road, Suite A10, Anchorage, AK 99502-1119
phone: (907) 561-9200 fax: (907) 561-9210

Delta Environmental Consultants - Tigard	Project Name: Tacco #00608 Portland, OR	
7150 SW Hampton - Suite 220	Project Number: [none]	Report Created:
Tigard, OR 97223	Project Manager: Tim Browning	03/27/06 17:30

Gasoline Hydrocarbons per NW TPH-Gx Method and BTEX per EPA Method 8021B

North Creek Analytical - Portland

Analyte	Method	Result	MDL	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P6B0463.01	**Soil**	**Solids**				**Sampled: 02/06/06 13:00**				
Benzene	NW G. 8021B	ND	---	0.0656	mg/kg dry	1x	W020545	03/15/06	03/15/06 11:17	
Toluene	"	ND	---	0.125	"	"	"	"	"	
Ethylbenzene	"	ND	---	0.125	"	"	"	"	"	
Xylenes (total)	"	0.268	---	0.125	"	"	"	"	"	
Gasoline Range Hydrocarbons	"	78.0		10.0	"	"	"	"	"	
Surrogate: 4-BFB (FID)		*Recovery: 51.4%*		*Limits: 50 - 150 %*		"			"	
Surrogate: TFT (FID)		*64.5%*		*50 - 150 %*		"			"	

North Creek Analytical - Portland

Sarah Reynolds Project Manager

The results in this report apply to the samples analyzed in accordance with chain of custody document. This analytical report must be reproduced in its entirety.

NORTH CREEK ANALYTICAL, INC.
Environmental Laboratory Network

COP0015940

www.scalab.com

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phone (425) 420-9200 fax (425) 423-0216
Spokane: 1012 East 3rd Avenue, Spokane Valley, WA 99206-5202
phone (509) 924-9200 fax (509) 924-9290
Portland: 9405 SW Nimbus Avenue, Beaverton, OR 97008-7145
phone (503) 906-9200 fax (503) 906-9210
Bend: 20427 Pinebrow Avenue, Suite #1, Bend, OR 97701-5711
phone (541) 383-9310 fax 541.382.7588
Anchorage: 2000 W International Airport Road Suite A-10, Anchorage, AK 99502-1251
phone (907) 563-9200 fax (907) 563-9210

Delta Environmental Consultants - Tigard	Project Name: Tosco 10608 - Portland, OR	
7150 SW Hampton Suite 220	Project Number: [none]	Report Level: II
Tigard OR 97223	Project Manager: Tim Dittrich	03/27/06 17:36

Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PS00464-01	**Soil**	**Solids**				**Sampled: 02/06/06 14:00**				
Diesel Range Organics	NWTPH-Dx	28200		330	mg/kg dry	10x	6020703	02/16/06	02/17/06 01:25	
Heavy Oil Range Hydrocarbons	"	6850	—	659		"	"	"	"	

Surrogate(s): 1-Chlorooctadecane Recovery: 112% Limits: 50 - 150 %

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phone: (509) 924 9200 fax: (509) 924 9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906 9200 fax: (503) 906 9210
Bend 19411 Empire Avenue, Suite #1, Bend, OR 97701-5711
phone: (541) 383-9310 fax: 541-383-2565
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563 9200 fax: (907) 563 9210

Delta Environmental Consultants - Tigard	Project Name	Tosco #0608, Portland, OR	
7150 SW Hampton Suite 320	Project Number	[none]	Report Created
Tigard, OR 97223	Project Manager	Tim Browning	02/27/06 17:30

Total Metals per EPA 6000/7000 Series Methods

North Creek Analytical - Portland

Analyte	Method	Result	MDL	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P6B0464-01	Soil	Solids				Sampled: 02/06/06 14:00				
Lead	EPA 6020	ND	---	130	mg/kg dry	1x	6020/06	02/21/06	02/22/06 22:29	

North Creek Analytical - Portland

Sarah Rackwell Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

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113755

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B.O.L. / FREIGHT BILL

ALL ABOUT Solutions

DATE 4/7/06

STATEMENT

PLEASE PAY LAST AMOUNT IN BALANCE COLUMN

Combination Bill of Lading and Freight Bill

Generator: Conoco Phillips 5528 NW DOANE AVE PTLD, OR

Receiving Facility: Hillsboro Landfill

Operator: Dan Mullendore | W.O.#: 860165 | Unit #: 142 | Received by (TSD):

Customer warrants that the waste material being transferred by the above collector does not contain any contaminants including, without limitations; pesticides, chlorinated solvents at concentrations greater than 1,000 PPM, PCB's at greater concentrations than 2 PPM (or PPM with manifest), or any other material classified as hazardous by 40 CFR part 261, customer subparts C and D (implementing the Federal Resource Conservation and Recovery Act, or by any equivalent state hazardous waste or hazardous substance classification program). Should laboratory tests find this waste product not in compliance with 40 CFR part 261, customer (generator) agrees to pay for all disposal costs incurred

Signature X LOM LYONS Date 4-7-6

QUANTITY	DESCRIPTION	CHARGES	BALANCE
est. 5 yds	Oil/water Seperator sludge		
	mixed w/ sawdust to		
	solidify.		
	Thank You		
	for your Business!!!		
		SUBTOTAL	
		TAX	
		TOTAL	

A FINANCE CHARGE OF 1 5% per month may be applied to any past due amount Past due accounts may be placed on C O.D without notification If outside collection action is necessary, purchaser shall pay all costs of collection including reasonable attorney's fees

EPA ID# WAH000014944 CCB#78140 USDOT 492568

WHITE - TRANSPORTER YELLOW - RECEIVING FACILITY

COP0015943

Driver's Signature

JOB# 860165

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Original
Ticket# 964284

Customer Name COWLITZCLEAN COWLITZ CLEAN SW
Ticket Date 04/07/2006
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest na
Destination
PO 9679
Profile 9679 (Soil/Solids/Sludge Oil Water Separator)
Generator 168-CONOCOWILL Conoco Phillips/Willbridge

Carrier SELFHLD SELF HAULED
Vehicle# 126
Container
Driver
Check#
Billing #
Gen EPA ID

Volume

	Time	Scale	Operator				
In	04/07/2006 11:49:21	Inbound 1	bml	Gross	23800	LBS	
Out	04/07/2006 12:10:39	MANUAL WT	bml	Tare	18680	LBS	
				Net	5120	LBS	
				Tons		2.56	

Comments

Consumer Comments? We want to know. Please call.

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	2.56	Tons	40.06	66.79	$102.55	MULT-IN
2	EVL-Env Fee Lg.	100	1	Load	3.00		$3.00	

Total Tax $66.79
Total Ticket $172.34

403WM

COP0015944

113806

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B.O.L. / FREIGHT BILL

ALL ABOUT Solutions

DATE

STATEMENT

PLEASE PAY LAST AMOUNT IN BALANCE COLUMN

Combination Bill of Lading and Freight Bill

Generator: Conoco Phillips 5528 NW Doane St. Portland, OR. 97210

Receiving Facility: Waste Mgmt - Hillsboro Landfill Minter Bridge Rd. Hillsboro, OR

Operator: Arby Lewis | W.O.#: 860273 | Unit #: 142 | Received by (TSD): [illegible]

Customer warrants that the waste material being transferred by the above collector does not contain any contaminants including, without limitations; pesticides, chlorinated solvents at concentrations greater than 1,000 PPM, PCB's at greater concentrations than 2 PPM (or PPM with manifest), or any other material classified as hazardous by 40 CFR part 261, customer subparts C and D (implementing the Federal Resource Conservation and Recovery Act, or by any equivalent state hazardous waste or hazardous substance classification program) Should laboratory tests find this waste product not in compliance with 40 CFR part 261, customer (generator) agrees to pay for all disposal costs incurred.

Signature X Tom Lyons Date 6-20-2006

QUANTITY	DESCRIPTION	CHARGES	BALANCE
Est. 3 TONS	Solidified Petroleum Contaminated Solids		
	generated from Treatment System Separator		
	Material Not Regulated by DOT		
	Waste Management Permit #19679		
	Thank You for Your Business!		
	Tom Lyons		
		SUBTOTAL	
		TAX	
		TOTAL	

A FINANCE CHARGE OF 1.5% per month may be applied to any past due amount. Past due accounts may be placed on C.O.D. without notification. If outside collection action is necessary, purchaser shall pay all costs of collection including reasonable attorney's fees.

EPA ID# WAH000014944 CCB#78140 USDOT 492568

COP0015945

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Original
Ticket# 984382

Customer Name COWLITZCLEAN COWLITZ CLEAN SW
Ticket Date 06/21/2006
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest na
Destination
PO 9679
Profile 9679 (Soil/Solids/Sludge Oil Water Separator)
Generator 168-CONOCOWILL Conoco Phillips/Willbridge

Carrier SELFHLD SELF HAULED
Vehicle# 125
Volume
Container
Driver
Check#
Billing # 0000068
Gen EPA ID

	Time	Scale	Operator	Inbound			
In	06/21/2006 13:35:20	Inbound 2	tom		Gross	22900	lb
Out	06/21/2006 13:57:18	Outbound	bml		Tare	18420	lb
					Net	4480	lb
					Tons	2.24	

Comments

Consumer Comments? We want to know. Please call.

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	2.24	Tons	40.06	58.46	$89.73	MULT-IN
2	EVL-Env Fee Lg.	100	1	Load	4.00		$4.00	MULT-IN

Total Tax $58.46
Total Ticket $152.19

Driver's Signature

COP0015946

113472

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Longview, WA 98632
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B.O.L. / FREIGHT BILL

ALL ABOUT Solutions

DATE 10/25/06

STATEMENT

PLEASE PAY LAST AMOUNT IN BALANCE COLUMN

Combination Bill of Lading and Freight Bill

Generatior: Conoco Phillips 5528 NW DOANE Portland, OR

Receiving Facility: Hillsboro LAND FILL

Operator: Dan M	W.O.#: 860	Unit #: 142	Received by (TSD):

Customer warrants that the waste material being transferred by the above collector does not contain any contaminants including, without limitations; pesticides, chlorinated solvents at concentrations greater than 1,000 PPM, PCB's at greater concentrations than 2 PPM (or PPM with manifest), or any other material classified as hazardous by 40 CFR part 261, customer subparts C and D (implementing the Federal Resource Conservation and Recovery Act, or by any equivalent state hazardous waste or hazardous substance classification program). Should laboratory tests find this waste product not in compliance with 40 CFR part 261, customer (generator) agrees to pay for all disposal costs incurred.

Signature X [signature] (Delta) on behalf of Conoco Phillips Date 10/25/06

QUANTITY	DESCRIPTION	CHARGES	BALANCE
EST 3 tons	Solidified Sludge		
	Material Not Regulated by DOT		
	Thank You For Your Business!!!		
		SUBTOTAL	
		TAX	
		TOTAL	

A FINANCE CHARGE OF 1.5% per month may be applied to any past due amount. Past due accounts may be placed on C.O.D. without notification. If outside collection action is necessary, purchaser shall pay all costs of collection including reasonable attorney's fees.

EPA ID# WAH000014944 CCB#78140 USDOT 492568

COP0015947

Portland term.
0921/0922

Oregon
Theodore R. Kulongoski, Governor

Department of Environmental Quality
Northwest Region Portland Office
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987
(503) 229-5263
FAX (503) 229-6945
TTY (503) 229-5471

June 30, 2006

0922
AGENCY CORR.

Marty Cramer
ConocoPhillips
5528 NW Doane Avenue
Portland, Oregon 97210

Re: Portland Harbor Stormwater Concerns

Dear Ms./Mr. Cramer:

In 2001, the Oregon Department of Environmental Quality (DEQ) entered into an agreement with the U.S. Environmental Protection Agency (EPA) that assigned DEQ the responsibility for controlling current and future upland discharges to the Portland Harbor superfund site. The purpose is to ensure these potential sources do not pose an unacceptable risk to aquatic organisms or to people and animals that consume fish from the harbor.

DEQ is currently working with upland parties to implement source control actions at sites in order to mitigate ongoing contamination to the river. Stormwater runoff from upland sites has been identified as one of the potential sources of contamination to the river. Evaluating and controlling discharges of contaminants via stormwater is an important consideration in source control and is required under DEQ's Environmental Cleanup authority. The process for controlling these sources is detailed in the EPA/DEQ Joint Source Control Strategy[1] (JSCS).

To implement this strategy, DEQ is currently working with many property owners to take immediate measures to ensure stormwater is adequately characterized and controlled to prevent contamination to the river. In many cases, this work will go beyond existing applicable discharge permit requirements[2] that may exist at a site.

When the Portland Harbor in-water RI/FS is completed, EPA will issue a Record of Decision (ROD). The ROD will describe the objectives and actions necessary to clean up the river. Sites that have not taken actions to implement stormwater control measures may be included in the ROD unless data exist demonstrating they are not a source of contamination to the Portland Harbor site.

Following cleanup efforts in Portland Harbor, river water and sediments will be monitored to ensure that those efforts were successful, and to identify any sources of contaminants that could contribute

[1] This document can be found at http://www.deq.state.or.us/nwr/PortlandHarbor/JSCS.htm.

[2] Some Portland Harbor sites are already operating under a stormwater permit which requires certain stormwater control measures. However, these permits do not address all of the contaminants that are most problematic in Portland Harbor and may not be sufficient to address the Portland Harbor cleanup goals. Additionally, some sites that are not currently operating under a stormwater permit may also be sources of contaminants to the river. These sites may need to implement additional stormwater control measures to prevent recontamination of harbor sediments.

to recontamination. This could result in additional evaluation of sources at your site and/or additional control measures on those sources.

Taking action now to evaluate and control stormwater discharges from your property will minimize the likelihood that these outcomes will affect your operations in the future. We are encouraging you to work with your DEQ Project Manager to ensure stormwater and stormwater-borne sediments leaving your site are managed to prevent or reduce the amount of contaminants leaving your site, if warranted.

To provide more information on this topic, DEQ has scheduled two free Stormwater Evaluation Workshops (see attached) for Portland Harbor property owners, managers and consultants. If you have any questions, please contact your DEQ Project Manager for more information, or contact Karen Tarnow, DEQ's Portland Harbor Stormwater Coordinator at 503-229-5988 or tarnow.karen.e@deq.state.or.us

Thank you for your continued cooperation in identifying and controlling sources of pollution to the Willamette River. We look forward to working with you on stormwater evaluation and control.

Sincerely,

Keith Johnson

Keith Johnson
Lower Willamette Section Manager

Attachment: Stormwater Evaluation Workshop Announcement

Portland Harbor Superfund Site

Stormwater Evaluation Workshops for Portland Harbor Cleanup Sites

WHEN: **July 17, 2006 1:30 – 4:30**
July 31, 2006 1:30 – 4:30
(Both workshops will cover the same material)

WHERE: **University Place Hotel at Portland State University**
310 SW Lincoln Street in Downtown Portland
(Across the street from DEQ's NW Region office)

WHAT: **Explanation of Stormwater Sampling Procedures**

Background: DEQ is working with certain Portland Harbor-area properties to evaluate and control stormwater that is discharging contaminants of concern into the Willamette River. DEQ's approach to this work is described in Appendix D of the Portland Harbor Joint Source Control Strategy.[1] At many sites, this work is already underway or will be commencing this fall.

Purpose of the Workshops: DEQ is holding two free workshops for property owners and consultants to explain the procedures and answer any questions people may have. The workshop will begin with a presentation and Q&A session (60-90 minutes). Following that, staff will be available for 1-on-1 consultations.

Questions? Contact your DEQ Project Manager or Karen Tarnow at 503-229-5988

DEQ
State of Oregon
Department of
Environmental
Quality

[1] This document can be found at http://www.deq.state.or.us/nwr/PortlandHarbor/JSCS.htm.

Hillsboro Landfill, Inc.

3205 SE MINTER BRIDGE ROAD HILLSBORO, OR 97123

PERMIT # 10148

PERMIT TO DISPOSE OF NON-HAZARDOUS MATERIALS

This permit authorizes disposal of Customer's waste materials in accordance with the Industrial Waste & Disposal Services Agreement dated *2/04*.

EXPIRES: 12/11/06

GENERATOR: CONOCO PHILLIPS	
DESCRIPTION: *PCS - DRILL CUTTINGS*	TONS: *15*
☐ SPECIAL WASTE ☒ CS ☐ C&D ☐ CLEAN-UP	
LOCATION: *PORTLAND, OREGON* *5528 NW DOANE STREET*	COUNTY: *Multnomah*
CONTACT: *SCOTT GILFILLAN*	PHONE: *360*957-2018*
	FAX: *503-247-1002*

BILLING: *Landfill account COWLITZ CLEAN SWEEP*	PO#: *N/A*	JOB#: *N/A*

We accept business checks, cash, VISA / Mastercard or charge(with prior approval)

SPECIAL HANDLING : *NOTE: NO FREE LIQUIDS*

MK TyT

APPROVED: *KRISTIN CASTNER* DATE: *09/11/06 3:20:09 PM*

A COPY OF THIS PERMIT MUST BE SHOWN BY EACH DRIVER

THERE IS A MINIMUM CHARGE OF $50-$60 FOR EACH LOAD OF SPECIAL WASTE

WASTE MANAGEMENT

HAZARDOUS WASTE IS STRICTLY PROHIBITED

WASTE MANAGEMENT

Columbia Ridge, Hillsboro, Riverbend, Graham Road, Capitol, Wenatchee

Profile Number: 10148
Expiration Date: 12/11/06

WASTE PROFILE SHEET
TERMS & CONDITIONS

Service Agreement on File? ☐ Yes ☐ No

This form is to be used to comply with the requirements of non-hazardous waste screening criteria.

Profile Addendum Attached? ☐ Yes ☐ No

A. Waste Generator Information

1. Generator/Site Name: ConocoPhillips
2. SIC Code:
3. Site Address: 5528 NW Doane St.
4. Site City: Portland
5. Site State: OR.
6. Site Country: Multnomah
7. Zip Code: 97210
8. Generator USEPA/Federal ID#: n/a
9. Site Phone: 503-248-1558
10. Customer Name: Cowlitz Clean Sweep
11. Customer Phone: 360-957-2018
12. Customer Contact: Scott Gilfillan
13. Customer FAX: 503-247-1002

B. Waste Stream and Billing Information

1. Waste Description: Category: Petroleum Soil
2. State Waste Code: DWSC
3. Billing Address: on file CCS
4. Process Generating Waste: Soil cuttings from well drilling @ Petroleum Terminal
5. Transporter/Transfer Station: CCS - Hillsboro
6. Shipping Method: Dump Truck
7. Estimated Quantity (Weight & Vol.): 4-5 yards per ☑ Job ☐ Year ☐ Other
8. Delivery Date(s): Week of Sept. 18th
9. Personal Protective Equipment Requirements: n/a
10. Is this a US Dept. of Transportation (USDOT) Hazardous Material? ☐ Yes, ☑ No (If no, skip 10, 11 and 12)
11. Reportable Quantity:
12. Hazard Class / I.D. #:
13. Shipping Name:

☐ Check if additional information is attached. Indicate the number of attached pages:

C. Generator's Certification (Please check appropriate responses, sign and date the manifest)

	Yes	No	
1. Is the waste represented by this waste profile sheet a "Hazardous Waste" as defined by USEPA, Canadian, Mexican, State, or Provincial regulation?	☐	☑	
2. Does the waste represented by this waste profile sheet contain regulated radioactive material or regulated concentrations of Polychlorinated Biphenyls (PCBs)?	☐	☑	
3. Does this waste profile sheet and all attachments contain true and accurate descriptions of the waste material?	☑	☐	
4. Has all relevant information within the possession of the Generator and Customer regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor?	☑	☐	
5. Is the analytical data attached hereto derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules?	☑	☐	☐ N/A
6. Will all changes that occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor?	☑	☐	

D. Waste Management's Decision

1. Management Method: ADC
2. Designated Facility: MF
3. Hours of acceptance: ☐ N/A
4. Precautions, Special Handling Procedures, or Limitations on Approval:

Generic Approval: ☐ Yes ☐ No

Special Waste Decision: ☑ Approved ☐ Disapproved

Sales Person: Date:

Technical Manager: Date: 9-11-06

GENERATOR AND CUSTOMER MUST READ AND SIGN REVERSE HEREOF INITIAL

INITIAL SE

X Scott Gilfillan Div. Mgr. CCS 9/11/06

COP0015952

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Original
Ticket# 1008939

Customer Name COWLITZCLEAN COWLITZ CLEAN SW
Ticket Date 09/16/2006
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest na
Destination
PO 10148/0000
Profile 10148 (PCS - Drill Cuttings)
Generator 168-CONOCOPDX CONOCO PHILLIPS - PORTLAND

Carrier SELFHLD SELF HAULED
Vehicle# 133
Volume
Container
Driver
Check#
Billing # 0000068
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound			
In	09/16/2006 11:04:05	MANUAL WT	jlr		Gross	27260	lb
Out	09/16/2006 11:15:16	Outbound	jlr		Tare	18280	lb
					Net	8980	lb
					Tons	4.49	

Comments

Consumer Comments? We want to know. Please call®
WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	4.49	Tons	40.25	23.19	$180.72	MULT-IN
2	EVL-Env Fee Lg.	100	1	Load	4.00		$4.00	MULT-IN

Total Tax $23.19
Total Ticket $207.91

Driver's Signature

403WM

COP0015955

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Original
Ticket# 1019420

Customer Name COWLITZCLEAN COWLITZ CLEAN SW
Ticket Date 10/25/2006
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest NA
Destination
PO 10148/0000
Profile 10148 (PCS - Drill Cuttings)
Generator 168-CONOCOPDX CONOCO PHILLIPS - PORTLAND

Carrier SELFHLD SELF HAULED
Vehicle# 110
Volume
Container
Driver DAN
Check#
Billing # 0000068
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound			
In	10/25/2006 14:04:05	Inbound 1	sdm		Gross	23260	lb
Out	10/25/2006 14:17:59	Outbound	sdm		Tare	18260	lb
					Net	5000	lb
					Tons	2.50	

Comments

Consumer Comments? We want to know. Please call.

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	2.50	Tons	40.25	12.91	$100.63	MULT-IN
2	EVL-Env Fee Lg.	100	1	Load	4.00		$4.00	MULT-IN

Total Tax $12.91
Total Ticket $117.54

Driver's Signature

403WM

COP0015954

ANALYTICAL REPORT

Prepared for:
NewFields Environmental Forensics Practice
100 Ledgewood Place, Suite 302
Rockland, MA 02370

Project:	Delta Environmental Portland Terminal
ETR:	0607102
Report Date:	August 16, 2006

Certifications and Accreditations
Massachusetts MA030
Connecticut PH-0141
New Hampshire 220602
Rhode Island 64
New Jersey MA015
Maine MA030
New York 11627
Louisiana 03090
Army Corps of Engineers
Department of the Navy
Florida E87814

This report shall not be reproduced except in full, without written approval from the laboratory.

375 Paramount Drive, Suite 2, Raynham, Massachusetts 02767, (508) 822-9300, Fax (508) 822-3288

Sample ID Cross Reference

Client: **NewFields Environmental Forensics Practice** Lab Code: **MA00030**
Project: **Delta Environmental-Portland Terminal** ETR: **0607102**

Lab Sample ID	Client Sample ID
0607102-01	K-4-5
0607102-02	K-4-11.5
0607102-03	K-5-5
0607102-04	K-5-10.5
0607102-05	K-6-3
0607102-06	K-6-10
0607102-07	K-6-13
0607102-08	K-7-5
0607102-09	K-7-13
0607102-10	K-9-4
0607102-11	K-9-10
0607102-12	K-9-13

375 Paramount Drive, Suite 2, Raynham, Massachusetts 02767 (508) 822-9300, Fax (508) 822-3288

COP0015956

Certificate Program Summary

Method numbers assume the most recent EPA revisions. For a complete listing of analytes for the referenced methods please contact your Alpha Woods Hole Lab Project Manager or the Quality Assurance Manager.

Connecticut Department of Public Health Certificate No. : PH-0141 - *Wastewater* (General Chemistry: 120.1, 150.1, 160.1, 160.2, 180.1, 300.0, 310.1, 335.2, 365.2, 405.1, 413.1, COD HACH 8000; Metals: 200.7, 245.1; Organics: 608, 624, 625). *Solid Waste/Soil* (General Chemistry: 1010, 9010/9014, 9045, 9056, 9060; Metals: 6010, 6020, 7041, 7471; Organics: 8081, 8082, 8260, 8270, ETPH)

Florida Department of Health Certificate No. : E87814 - Secondary NELAP Accreditation for *Wastewater* (General Chemistry: 120.1/2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, SM2320B, 335.2, 365.2, 413.1, 420.1, SM2540G, COD HACH 8000; Metals: 200.7, 204.2, 206.2, 239.2, 245.1, 270.2, 279.2; Organics: 608, 624, 625). *Solid and Hazardous Waste* (General Chemistry: 9010/9014, 9045, 9050, 9056, 9060, 9065; Metals: 6010, 6020, 7041, 7060, 7421, 7470, 7471, 7740, 7841; Organics: 8081, 8082, 8260, 8270).

Louisiana Department of Environmental Quality Certificate No. : 03090 - Primary NELAP Accrediting Authority for *Wastewater* (General Chemistry: 120.1/2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 310.1/SM2320B, 335.2, 365.2, 376.2, 405.1, 413.1, 420.1, SM2540G, COD HACH 8000; Metals: 200.7, 204.2, 206.2, 239.2, 245.1, 270.2, 279.2; Organics: 608, 624, 625). *Solid and Hazardous Waste* (General Chemistry: 1010, 1311, 9010/9014, 9045, 9056, 9060; Metals: 6010, 6020, 7041, 7060, 7191, 7421, 7470, 7471, 7740, 7841; Organics: 8081, 8082, 8260, 8270).

Maine Department of Human Services Certificate No. : MA030 - *Wastewater* (General Chemistry: 120.1/2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 310.1/SM2320B, 335.2, 365.2, 405.1, 413.1, 420.1, COD HACH 8000; Metals: 200.7, 239.2, 245.1, 270.2, 279.2; Organics: 608, 624).

Massachusetts Department of Environmental Protection Certificate No. : M-MA030 - *Wastewater* (General Chemistry: 120.1/2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 310.1/SM2320B, 335.2, 365.2, 405.1, 413.1, 420.1, COD HACH 8000; Metals: 200.7, 239.2, 245.1, 270.2, 279.2; Organics: 608, 624).

New Hampshire Department of Environmental Services Certificate No. : 220604 - Secondary NELAP Accreditation for *Wastewater* (General Chemistry: 120.1/2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 310.1/SM2320B, 335.2, 365.2, 376.2, 405.1, 413.1, 420.1, COD HACH 8000, SM2540G; Metals: 200.7, 204.2, 206.2, 239.2, 245.1, 270.2, 279.2; Organics: 608, 624, 625).

New Jersey Department of Environmental Protection Certificate No. : MA015 - *Solid and Hazardous Waste* (General Chemistry: 1010, 1311, 3060, 7196, 9010/9014, 9045, 9056, 9060; Metals: 3010, 3015, 3020, 3050, 3051, 6010, 6020, 7041, 7060, 7131, 7191, 7211, 7421, 7470, 7471, 7520, 7740, 7761, 7841; Organics: 3510, 3545, 5030, 5035, 3620, 3630, 3640, 3660, 8081, 8082, 8100, 8260, 8270).

New York Department of Health Certificate No. : 11627 - Secondary NELAP Accreditation for *Wastewater* (Metals: 200.7, 204.2, 206.2, 239.2, 245.1, 270.2, 279.2; Organics: 608, 624, 625). *Solid and Hazardous Waste* (Metals: 6010, 7041, 7060, 7470, 7471, 7740; Organics: 8081, 8082, 8260, 8270).

Rhode Island Department of Health Certificate No. : 00064 - Chemistry: *Organic and Inorganic in Surface Water, Wastewater/Sewage and Soil* (Method numbers not specified with certificate.)

U.S. Army Corps of Engineers - General Chemistry: 9010/9014, 9071/418.1, 9060; Organics: 8081, 8082, 8260, 8270, 8270-SIM; Metals: 6010, 6020, 7000

Department of the Navy - General Chemistry: 9010/9014, 9060; Organics: 8081, 8082, 8015-mod, 8260, 8270, 8270-SIM; Metals: 6010, 6020.

CASE NARRATIVE
Alpha Woods Hole Lab

ETR: 0607102
Project: Delta Environmental-Portland Terminal

All analyses were performed according to Alpha Woods Hole Labs quality assurance program and documented Standard Operating Procedures (SOPs). The analytical results contained in this report were performed within holding time, and with appropriate quality control measures, except where noted. A summary of all state and federal accreditations is provided within this report. Blank correction of results is not performed in the laboratory for any parameter. Soil/sediment samples are reported on a dry weight basis unless otherwise noted. Tissue and sediment samples are not certifiable under the NELAC accreditation.

Total Saturated Hydrocarbons and Total Extractable Material by GC/FID

Oil samples were analyzed following the procedures in Alpha Woods Hole Lab SOP *Total Petroleum Hydrocarbons by Gas Chromatography/Flame Ionization Detector (Revision 1.1)* Method 8100/8015mod and SOP *Addendum for Saturated Hydrocarbons, Rev. 1.0, 2004*. Soil samples (approximately 30g) are spiked with surrogate compounds and extracted by *Shaker Table Extraction (Revision 0.0, 02/20/02)*. Solvent extracts are dried over sodium sulfate and concentrated to an appropriate final volume based on oil content as determined by gravimetric weighing. A portion of the final extract for soil samples was split for GC/FID analysis. Extracts are analyzed by gas chromatography with flame ionization detection (FID). A multi-level initial calibration over the n-alkane range from C9-C40 was evaluated and quantified using internal standard techniques prior to sample analysis.

1. Sample K-6-10 (0607102-06) and its duplicate (0607102-06D) have several compounds above the 30% relative percent difference QC limit. Note that the results were below the reporting limit, with all exhibiting a "F" qualifier. The integrations in the native sample and the duplicate were reviewed and found to be appropriate.

The enclosed results of analyses are representative of the samples as received by the laboratory. Alpha Woods Hole Lab makes no representations or certifications as to the method of sample collection, sample identification, or transporting/handling procedures used prior to the receipt of samples by Alpha Woods Hole Lab. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved by: Normand Marrinucci Jr. Title: Forensics Manager Date: 8/16/06
Forensics Manager

Form I
Total Saturated Hydrocarbons by GC/FID

ALPHA WOODS HOLE LABS

Client: **New Fields Environmental Forensics Practice**
Project: **Delta Environmental-Portland Terminal**
Client ID: K-5-5
Case: N/A SDG: N/A
Matrix: Soil

Lab Code: MA00030
ETR: 0607102
Lab ID: 0607102-03
Associated Blank: TS072706B07
Concentration Units: mg/Kg

Date Collected	Date Received	Date Extracted	Date Analyzed	Percent Solid	Sample Amount (g)	Final Volume (ml)	Dilution Factor	Analyst
07/24/06	07/26/06	07/27/06	08/03/06	91.8	30.01	2	1	AC

Parameter	Result		Parameter	Result	
n-Nonane (C9)	0.073	U	n-Docosane (C22)	0.073	U
n-Decane (C10)	0.073	U	n-Tricosane (C23)	0.073	U
n-Undecane (C11)	0.073	U	n-Tetracosane (C24)	0.073	U
n-Dodecane (C12)	0.073	U	n-Pentacosane (C25)	0.073	U
n-Tridecane (C13)	0.073	U	n-Hexacosane (C26)	0.073	U
2,6,10 Trimethyldodecane (1380)	0.073	U	n-Heptacosane (C27)	0.073	U
n-Tetradecane (C14)	0.073	U	n-Octacosane (C28)	0.073	U
2,6,10 Trimethyltridecane (1470)	0.073	U	n-Nonacosane (C29)	0.073	U
n-Pentadecane (C15)	0.073	U	n-Triacontane (C30)	0.073	U
n-Hexadecane (C16)	0.073	U	n-Hentriacontane (C31)	0.073	U
Norpristane (1650)	0.073	U	n-Dotriacontane (C32)	0.073	U
n-Heptadecane (C17)	0.073	U	n-Tritriacontane (C33)	0.073	U
Pristane	0.073	U	n-Tetratriacontane (C34)	0.073	U
n-Octadecane (C18)	0.073	U	n-Pentatriacontane (C35)	0.073	U
Phytane	0.073	U	n-Hexatriacontane (C36)	0.073	U
n-Nonadecane (C19)	0.073	U	n-Heptatriacontane (C37)	0.073	U
n-Eicosane (C20)	0.073	U	n-Octatriacontane (C38)	0.073	U
n-Heneicosane (C21)	0.073	U	n-Tetracontane (C40)	0.073	U

Total Hydrocarbon Summary

Total Saturated Hydrocarbons	0.073	U
Total Petroleum Hydrocarbons	0.19	J

Surrogate	% Recovery	Acceptance Range (%)
ortho-Terphenyl	75	50-130
d50-Tetracosane	75	50-130

N/A - No; Applicable
J - Estimated value, below quantitation limit.
U - The analyte was analyzed for but not detected at the sample specific level reported

COP0015959

Form I
Total Saturated Hydrocarbons by GC/FID

ALPHA WOODS HOLE LABS

Client: **NewFields Environmental Forensics Practice**
Project: **Delta Environmental-Portland Terminal**
Client ID: **K-5-10.5**
Case: **N/A** SDG: **N/A**
Matrix: **Soil**

Lab Code: MA00030
ETR: 0607102
Lab ID: 0607102-04
Associated Blank: IS072706B07
Concentration Units: mg/Kg

Date Collected	Date Received	Date Extracted	Date Analyzed	Percent Solid	Sample Amount (g)	Final Volume (ml)	Dilution Factor	Analyst
07/24/06	07/26/06	07/27/06	08/03/06	91.2	5.04	5	1	AC

Parameter	Result		Parameter	Result	
n-Nonane (C9)	1.1	U	n-Docosane (C22)	1.1	U
n-Decane (C10)	1.1	U	n-Tricosane (C23)	1.1	U
n-Undecane (C11)	1.1	U	n-Tetracosane (C24)	1.1	U
n-Dodecane (C12)	1.1	U	n-Pentacosane (C25)	1.1	U
n-Tridecane (C13)	1.1	U	n-Hexacosane (C26)	1.1	U
2,6,10 Trimethyldodecane (1380)	1.1	U	n-Heptacosane (C27)	1.1	U
n-Tetradecane (C14)	1.1	U	n-Octacosane (C28)	1.1	U
2,6,10 Trimethyltridecane (1470)	68		n-Nonacosane (C29)	1.1	U
n-Pentadecane (C15)	1.1	U	n-Triacontane (C30)	1.1	U
n-Hexadecane (C16)	1.1	U	n-Hentriacontane (C31)	1.1	U
Norpristane (1650)	3.7		n-Dotriacontane (C32)	1.1	U
n-Heptadecane (C17)	1.1	U	n-Tritriacontane (C33)	1.1	U
Pristane	5.6		n-Tetratriacontane (C34)	1.1	U
n-Octadecane (C18)	1.1	U	n-Pentatriacontane (C35)	1.1	U
Phytane	0.60	J	n-Hexatriacontane (C36)	1.1	U
n-Nonadecane (C19)	1.1	U	n-Heptatriacontane (C37)	1.1	U
n-Eicosane (C20)	1.1	U	n-Octatriacontane (C38)	1.1	U
n-Heneicosane (C21)	1.1	U	n-Tetracontane (C40)	1.1	U

Total Hydrocarbon Summary

Total Saturated Hydrocarbons	6.2
Total Petroleum Hydrocarbons	6400

Surrogate	% Recovery	Acceptance Range (%)
o-Ter-Phenyl	81	50-130
d50-Tetracosane	80	50-130

N/A - Not Applicable
J - Estimated value, below quantitation limit
U - The analyte was analyzed for but not detected at the sample specific level reported

Form I
Total Saturated Hydrocarbons by GC/FID

ALPHA WOODS HOLE LABS

Client: NewFields Environmental Forensics Practice
Project: Delta Environmental-Portland Terminal
Client ID: K-6-3
Case: N/A SDG: N/A
Matrix: Soil

Lab Code: MA00030
ETR: 0607102
Lab ID: 0607102-05
Associated Blank: TS072706B07
Concentration Units: mg/Kg

Date Collected	Date Received	Date Extracted	Date Analyzed	Percent Solid	Sample Amount (g)	Final Volume (ml)	Dilution Factor	Analyst
07/24/06	07/26/06	07/27/06	08/03/06	90.3	9.98	5	1	AC

Parameter	Result		Parameter	Result	
n-Nonane (C9)	0.55	U	n-Docosane (C22)	0.55	U
n-Decane (C10)	0.55	U	n-Tricosane (C23)	0.55	U
n-Undecane (C11)	0.55	U	n-Tetracosane (C24)	0.55	U
n-Dodecane (C12)	0.55	U	n-Pentacosane (C25)	0.55	U
n-Tridecane (C13)	0.55	U	n-Hexacosane (C26)	0.55	U
2,6,10 Trimethyldodecane (1380)	0.55	U	n-Heptacosane (C27)	0.55	U
n-Tetradecane (C14)	0.55	U	n-Octacosane (C28)	0.55	U
2,6,10 Trimethyltridecane (1470)	0.55	U	n-Nonacosane (C29)	0.55	U
n-Pentadecane (C15)	0.55	U	n-Triacontane (C30)	0.55	U
n-Hexadecane (C16)	0.55	U	n-Hentriacontane (C31)	0.55	U
Norpristane (1650)	0.55	U	n-Dotriacontane (C32)	0.55	U
n-Heptadecane (C17)	0.55	U	n-Tritriacontane (C33)	0.55	U
Pristane	0.35	J	n-Tetratriacontane (C34)	0.55	U
n-Octadecane (C18)	0.55	U	n-Pentatriacontane (C35)	0.55	U
Phytane	0.21	J	n-Hexatriacontane (C36)	0.55	U
n-Nonadecane (C19)	0.55	U	n-Heptatriacontane (C37)	0.55	U
n-Eicosane (C20)	0.55	U	n-Octatriacontane (C38)	0.55	U
n-Heneicosane (C21)	0.55	U	n-Tetracontane (C40)	0.55	U

Total Hydrocarbon Summary

Total Saturated Hydrocarbons [1]	0.57	
Total Petroleum Hydrocarbons	18	U

Surrogate	% Recovery	Acceptance Range (%)
ortho-Terphenyl	73	50-150
alpha-Androstane	71	50-150

N/A - Not Applicable
J - Estimated value, below quantitation limit
U - The analyte was analyzed for but not detected at the sample specific level reported

COP0015961

Form I
Total Saturated Hydrocarbons by GC/FID

ALPHA WOODS HOLE LABS

Client: NewFields Environmental Forensics Practice
Project: Delta Environmental-Portland Terminal
Client ID: K-6-10
Case: N/A SDG: N/A
Matrix: Soil

Lab Code: MA00030
ETR: 0607102
Lab ID: 0607102-06
Associated Blank: TS072706B07
Concentration Units: mg/Kg

Date Collected	Date Received	Date Extracted	Date Analyzed	Percent Solid	Sample Amount (g)	Final Volume (ml)	Dilution Factor	Analyst
07/24/06	07/26/06	07/27/06	08/03/06	90.5	9.97	5	1	AC

Parameter	Result		Parameter	Result	
n-Nonane (C9)	0.55	U	n-Docosane (C22)	0.55	U
n-Decane (C10)	0.55	U	n-Tricosane (C23)	0.55	U
n-Undecane (C11)	0.55	U	n-Tetracosane (C24)	0.55	U
n-Dodecane (C12)	0.55	U	n-Pentacosane (C25)	0.55	U
n-Tridecane (C13)	0.55	U	n-Hexacosane (C26)	0.55	U
2,6,10 Trimethyldodecane (1380)	0.55	U	n-Heptacosane (C27)	0.55	U
n-Tetradecane (C14)	0.55	U	n-Octacosane (C28)	0.55	U
2,6,10 Trimethyltridecane (1470)	0.55	U	n-Nonacosane (C29)	0.55	U
n-Pentadecane (C15)	0.55	U	n-Triacontane (C30)	0.55	U
n-Hexadecane (C16)	0.55	U	n-Hentriacontane (C31)	0.55	U
Norpristane (1650)	0.55	U	n-Dotriacontane (C32)	0.55	U
n-Heptadecane (C17)	0.55	U	n-Tritriacontane (C33)	0.55	U
Pristane	0.072	J	n-Tetratriacontane (C34)	0.55	U
n-Octadecane (C18)	0.55	U	n-Pentatriacontane (C35)	0.55	U
Phytane	0.039	J	n-Hexatriacontane (C36)	0.55	U
n-Nonadecane (C19)	0.55	U	n-Heptatriacontane (C37)	0.55	U
n-Eicosane (C20)	0.55	U	n-Octatriacontane (C38)	0.55	U
n-Heneicosane (C21)	0.55	U	n-Tetracontane (C40)	0.55	U

Total Hydrocarbon Summary

Total Saturated Hydrocarbons	0.11	J
Total Petroleum Hydrocarbons	26	

Surrogate	% Recovery	Acceptance Range (%)
ortho-Terphenyl	75	50-130
1,50-Tetracosane	73	50-130

N/A - Not Applicable
J - Estimated value, below quantitation limit
U - The analyte was analyzed for but not detected at the sample specific level reported

COP0015962

Form I
Duplicate
Total Saturated Hydrocarbons by GC/FID

ALPHA WOODS HOLE LABS

Client: NewFields Environmental Forensics Practice
Project: Delta Environmental-Portland Terminal
Client ID: K-6-10
Case: N/A SDG: N/A
Matrix: Soil

Lab Code: MA00030
ETR: 0607102
Lab ID: 0607102-06 D
Associated Blank: IS072706B07
Concentration Units: mg/Kg

Date Collected	Date Received	Date Extracted	Date Analyzed	Percent Solid	Sample Amount (g)	Final Volume (ml)	Dilution Factor	Analyst
07/24/06	07/26/06	07/27/06	08/03/06	90.5	9.96	5	1	AC

Parameter	Result		Parameter	Result	
n-Nonane (C9)	0.55	U	n-Docosane (C22)	0.55	U
n-Decane (C10)	0.55	U	n-Tricosane (C23)	0.55	U
n-Undecane (C11)	0.55	U	n-Tetracosane (C24)	0.55	U
n-Dodecane (C12)	0.55	U	n-Pentacosane (C25)	0.55	U
n-Tridecane (C13)	0.55	U	n-Hexacosane (C26)	0.55	U
2,6,10 Trimethyldodecane (1380)	0.55	U	n-Heptacosane (C27)	0.55	U
n-Tetradecane (C14)	0.55	U	n-Octacosane (C28)	0.55	U
2,6,10 Trimethyltridecane (1470)	0.55	U	n-Nonacosane (C29)	0.55	U
n-Pentadecane (C15)	0.55	U	n-Triacontane (C30)	0.55	U
n-Hexadecane (C16)	0.55	U	n-Hentriacontane (C31)	0.55	U
Norpristane (1650)	0.55	U	n-Dotriacontane (C32)	0.55	U
n-Heptadecane (C17)	0.55	U	n-Tritriacontane (C33)	0.55	U
Pristane	0.044	J	n-Tetratriacontane (C34)	0.55	U
n-Octadecane (C18)	0.55	U	n-Pentatriacontane (C35)	0.55	U
Phytane	0.028	J	n-Hexatriacontane (C36)	0.55	U
n-Nonadecane (C19)	0.55	U	n-Heptatriacontane (C37)	0.55	U
n-Eicosane (C20)	0.55	U	n-Octatriacontane (C38)	0.55	U
n-Heneicosane (C21)	0.55	U	n-Tetracontane (C40)	0.55	U

Total Hydrocarbon Summary

Total Saturated Hydrocarbons	0.072	J
Total Petroleum Hydrocarbons	18	U

Surrogate	% Recovery	Acceptance Range (%)
o-Terphenyl	76	50-130
d50-Tetracosane	74	50-130

N/A - Not Applicable
J - Estimated value, below quantitation limit
U - The analyte was analyzed for but not detected at the sample specific level reported

Duplicate
Total Saturated Hydrocarbons by GC/FID

ALPHA WOODS HOLE LABS

Client: NewFields Environmental Forensics Practice
Project: Delta Environmental-Portland Terminal
Client ID: K-6-10
Case: N/A SDG: N/A
Matrix: Soil

Lab Code: MA00030
ETR: 0607102
Lab ID: 0607102-06
Associated Blank: TS072706B07
Concentration Units: mg/Kg

Date Collected	Date Received	Date Extracted	Percent Solid	Analyst
07/24/06	07/26/06	07/27/06	90.5	AC

Parameter	Sample Result	Duplicate Result	RPD	RPD Limit
n-Nonane (C9)	0.55 U	0.55 U	N/A	30
n-Decane (C10)	0.55 U	0.55 U	N/A	30
n-Undecane (C11)	0.55 U	0.55 U	N/A	30
n-Dodecane (C12)	0.55 U	0.55 U	N/A	30
n-Tridecane (C13)	0.55 U	0.55 U	N/A	30
2,6,10 Trimethyldodecane (1380)	0.55 U	0.55 U	N/A	30
n-Tetradecane (C14)	0.55 U	0.55 U	N/A	30
2,6,10 Trimethyltridecane (1470)	0.55 U	0.55 U	N/A	30
n-Pentadecane (C15)	0.55 U	0.55 U	N/A	30
n-Hexadecane (C16)	0.55 U	0.55 U	N/A	30
Norpristane (1650)	0.55 U	0.55 U	N/A	30
n-Heptadecane (C17)	0.55 U	0.55 U	N/A	30
Pristane	0.072 J	0.044 J	48*	30
n-Octadecane (C18)	0.55 U	0.55 U	N/A	30
Phytane	0.039 J	0.028 J	33*	30
n-Nonadecane (C19)	0.55 U	0.55 U	N/A	30
n-Eicosane (C20)	0.55 U	0.55 U	N/A	30
n-Heneicosane (C21)	0.55 U	0.55 U	N/A	30
n-Docosane (C22)	0.55 U	0.55 U	N/A	30
n-Tricosane (C23)	0.55 U	0.55 U	N/A	30
n-Tetracosane (C24)	0.55 U	0.55 U	N/A	30
n-Pentacosane (C25)	0.55 U	0.55 U	N/A	30
n-Hexacosane (C26)	0.55 U	0.55 U	N/A	30
n-Heptacosane (C27)	0.55 U	0.55 U	N/A	30
n-Octacosane (C28)	0.55 U	0.55 U	N/A	30
n-Nonacosane (C29)	0.55 U	0.55 U	N/A	30
n-Triacontane (C30)	0.55 U	0.55 U	N/A	30
n-Hentriacontane (C31)	0.55 U	0.55 U	N/A	30
n-Dotriacontane (C32)	0.55 U	0.55 U	N/A	30
n-Tritriacontane (C33)	0.55 U	0.55 U	N/A	30
n-Tetratriacontane (C34)	0.55 U	0.55 U	N/A	30
n-Pentatriacontane (C35)	0.55 U	0.55 U	N/A	30
n-Hexatriacontane (C36)	0.55 U	0.55 U	N/A	30
n-Heptatriacontane (C37)	0.55 U	0.55 U	N/A	30
n-Octatriacontane (C38)	0.55 U	0.55 U	N/A	30

N/A - Not Applicable
* - Value outside of QC Limits
J - Estimated value, below quantitation limit
U - The analyte was analyzed for but not detected at the sample specific level reported

Duplicate
Total Saturated Hydrocarbons by GC/FID

ALPHA WOODS HOLE LABS

Client: NewFields Environmental Forensics Practice
Project: Delta Environmental-Portland Terminal
Client ID: K-6-10
Case: N/A SDG: N/A
Matrix: Soil

Lab Code: MA00030
ETR: 0607102
Lab ID: 0607102-06
Associated Blank: FS072706B07
Concentration Units: mg/Kg

Date Collected	Date Received	Date Extracted	Percent Solid	Analyst
07/24/06	07/26/06	07/27/06	90.5	AC

Parameter	Sample Result	Duplicate Result	RPD	RPD Limit
n-Tetracontane (C40)	0.55 U	0.55 U	N/A	30
Total Saturated Hydrocarbons [1]	0.11 J	0.072 J	42*	30
Total Petroleum Hydrocarbons	26	18 U	X	30

Surrogate	% Recovery		Acceptance Range (%)
ortho-Terphenyl	75	76	50-130
dilli-Tetracosane	73	74	50-130

N/A - Not Applicable
X - It is not possible to calculate RPD, one result is below the detection limit, the other is above reporting limit
* - Value outside of QC Limits.
J - Estimated value, below quantitation limit
U - The analyte was analyzed for but not detected at the sample specific level reported.

Concentrations reported as calculated values, which includes rounding for significant figures. RPD values are reported based on the unrounded calculated result.

COP0015965

Form I
Total Saturated Hydrocarbons by GC/FID

ALPHA WOODS HOLE LABS

Client: **New Fields Environmental Forensics Practice**
Project: **Delta Environmental-Portland Terminal**
Client ID: K-6-13
Case: N/A SDG: N/A
Matrix: Soil

Lab Code: MA00030
ETR: 0607102
Lab ID: 0607102-07
Associated Blank: TS072706B07
Concentration Units: mg/Kg

Date Collected	Date Received	Date Extracted	Date Analyzed	Percent Solid	Sample Amount (g)	Final Volume (ml)	Dilution Factor	Analyst
07/24/06	07/26/06	07/27/06	08/03/06	77.4	9.93	5	1	AC

Parameter	Result		Parameter	Result	
n-Nonane (C9)	0.65	U	n-Docosane (C22)	0.65	U
n-Decane (C10)	0.65	U	n-Tricosane (C23)	0.65	U
n-Undecane (C11)	0.65	U	n-Tetracosane (C24)	0.65	U
n-Dodecane (C12)	0.65	U	n-Pentacosane (C25)	0.65	U
n-Tridecane (C13)	0.65	U	n-Hexacosane (C26)	0.65	U
2,6,10 Trimethyldodecane (1380)	37		n-Heptacosane (C27)	0.65	U
n-Tetradecane (C14)	0.65	U	n-Octacosane (C28)	0.65	U
2,6,10 Trimethyltridecane (1470)	25		n-Nonacosane (C29)	0.65	U
n-Pentadecane (C15)	0.65	U	n-Triacontane (C30)	0.65	U
n-Hexadecane (C16)	0.65	U	n-Hentriacontane (C31)	0.65	U
Norpristane (1650)	1.9		n-Dotriacontane (C32)	0.65	U
n-Heptadecane (C17)	0.65	U	n-Tritriacontane (C33)	0.65	U
Pristane	3.8		n-Tetratriacontane (C34)	0.65	U
n-Octadecane (C18)	0.65	U	n-Pentatriacontane (C35)	0.65	U
Phytane	0.63	J	n-Hexatriacontane (C36)	0.65	U
n-Nonadecane (C19)	0.65	U	n-Heptatriacontane (C37)	0.65	U
n-Eicosane (C20)	0.65	U	n-Octatriacontane (C38)	0.65	U
n-Heneicosane (C21)	0.65	U	n-Tetracontane (C40)	0.65	U

Total Hydrocarbon Summary

Total Saturated Hydrocarbons *	4.4
Total Petroleum Hydrocarbons	2800

Surrogate	% Recovery	Acceptance Range (%)
ortho-Terphenyl	77	50-130
d50-Tetracosane	76	50-130

N/A - Not Applicable
J - Estimated value, below quantitation limit
U - The analyte was analyzed for but not detected at the sample specific level reported.

COP0015966

Form I
Total Saturated Hydrocarbons by GC/FID

ALPHA WOODS HOLE LABS

Client: NewFields Environmental Forensics Practice
Project: Delta Environmental-Portland Terminal
Client ID: K-7-5
Case: N/A SDG: N/A
Matrix: Soil

Lab Code: MA00030
ETR: 0607102
Lab ID: 0607102-08
Associated Blank: TS072706B07
Concentration Units: mg/Kg

Date Collected	Date Received	Date Extracted	Date Analyzed	Percent Solid	Sample Amount (g)	Final Volume (ml)	Dilution Factor	Analyst
07/24/06	07/26/06	07/27/06	08/03/06	91.5	30.09	2	1	AC

Parameter	Result		Parameter	Result	
n-Nonane (C9)	0.073	U	n-Docosane (C22)	0.073	U
n-Decane (C10)	0.073	U	n-Tricosane (C23)	0.073	U
n-Undecane (C11)	0.073	U	n-Tetracosane (C24)	0.073	U
n-Dodecane (C12)	0.073	U	n-Pentacosane (C25)	0.073	U
n-Tridecane (C13)	0.073	U	n-Hexacosane (C26)	0.073	U
2,6,10 Trimethyldodecane (1380)	0.073	U	n-Heptacosane (C27)	0.073	U
n-Tetradecane (C14)	0.073	U	n-Octacosane (C28)	0.073	U
2,6,10 Trimethyltridecane (1470)	0.073	U	n-Nonacosane (C29)	0.073	U
n-Pentadecane (C15)	0.073	U	n-Triacontane (C30)	0.073	U
n-Hexadecane (C16)	0.073	U	n-Hentriacontane (C31)	0.073	U
Norpristane (1650)	0.073	U	n-Dotriacontane (C32)	0.073	U
n-Heptadecane (C17)	0.073	U	n-Tritriacontane (C33)	0.073	U
Pristane	0.008	J	n-Tetratriacontane (C34)	0.073	U
n-Octadecane (C18)	0.073	U	n-Pentatriacontane (C35)	0.073	U
Phytane	0.005	J	n-Hexatriacontane (C36)	0.073	U
n-Nonadecane (C19)	0.073	U	n-Heptatriacontane (C37)	0.073	U
n-Eicosane (C20)	0.073	U	n-Octatriacontane (C38)	0.073	U
n-Heneicosane (C21)	0.073	U	n-Tetracontane (C40)	0.073	U

Total Hydrocarbon Summary

Total Saturated Hydrocarbons [1]	0.013	J
Total Petroleum Hydrocarbons	2.4	U

Surrogate	% Recovery	Acceptance Range (%)
ortho-Terphenyl	74	50-130
d50-Tetracosane	74	50-130

N/A - Not Applicable
J - Estimated value, below quantitation limit
U - The analyte was analyzed for but not detected at the sample specific level reported

Form I
Total Saturated Hydrocarbons by GC/FID

ALPHA WOODS HOLE LABS

Client: New Fields Environmental Forensics Practice
Project: Delta Environmental-Portland Terminal
Client ID: K-7-13
Case: N/A SDG: N/A
Matrix: Soil

Lab Code: MA00030
ETR: 0607102
Lab ID: 0607102-09
Associated Blank: TS072706B07
Concentration Units: mg/Kg

Date Collected	Date Received	Date Extracted	Date Analyzed	Percent Solid	Sample Amount (g)	Final Volume (ml)	Dilution Factor	Analyst
07/24/06	07/26/06	07/27/06	08/03/06	77.7	4.95	5	1	AC

Parameter	Result		Parameter	Result	
n-Nonane (C9)	1.3	U	n-Docosane (C22)	1.3	U
n-Decane (C10)	1.3	U	n-Tricosane (C23)	1.3	U
n-Undecane (C11)	1.3	U	n-Tetracosane (C24)	1.3	U
n-Dodecane (C12)	1.3	U	n-Pentacosane (C25)	1.3	U
n-Tridecane (C13)	1.3	U	n-Hexacosane (C26)	1.3	U
2,6,10 Trimethyldodecane (1380)	44		n-Heptacosane (C27)	1.3	U
n-Tetradecane (C14)	1.3	U	n-Octacosane (C28)	1.3	U
2,6,10 Trimethyltridecane (1470)	32		n-Nonacosane (C29)	1.3	U
n-Pentadecane (C15)	1.3	U	n-Triacontane (C30)	1.3	U
n-Hexadecane (C16)	1.3	U	n-Hentriacontane (C31)	1.3	U
Norpristane (1650)	2.3		n-Dotriacontane (C32)	1.3	U
n-Heptadecane (C17)	1.3	U	n-Tritriacontane (C33)	1.3	U
Pristane	3.3		n-Tetratriacontane (C34)	1.3	U
n-Octadecane (C18)	1.3	U	n-Pentatriacontane (C35)	1.3	U
Phytane	0.55	J	n-Hexatriacontane (C36)	1.3	U
n-Nonadecane (C19)	1.3	U	n-Heptatriacontane (C37)	1.3	U
n-Eicosane (C20)	1.3	U	n-Octatriacontane (C38)	1.3	U
n-Heneicosane (C21)	1.3	U	n-Tetracontane (C40)	1.3	U

Total Hydrocarbon Summary

Total Saturated Hydrocarbons	3.9	
Total Petroleum Hydrocarbons	4900	

Surrogate	% Recovery	Acceptance Range [%]
ortho-Terphenyl	79	50-130
d50-Tetracosane	77	50-130

N/A - Not Applicable
J - Estimated value, below quantitation limit.
U - The analyte was analyzed for but not detected at the sample specific level reported.

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COP0015968

Form I
Total Saturated Hydrocarbons by GC/FID

ALPHA WOODS HOLE LABS

Client: NewFields Environmental Forensics Practice
Project: Delta Environmental-Portland Terminal
Client ID: K-9-4
Case: N/A SDG: N/A
Matrix: Soil

Lab Code: MA00030
ETR: 0607102
Lab ID: 0607102-10
Associated Blank: TS072706B07
Concentration Units: mg/Kg

Date Collected	Date Received	Date Extracted	Date Analyzed	Percent Solid	Sample Amount (g)	Final Volume (ml)	Dilution Factor	Analyst
07/24/06	07/26/06	07/27/06	08/03/06	77.3	5.05	5	1	AC

Parameter	Result		Parameter	Result	
n-Nonane (C9)	1.3	U	n-Docosane (C22)	1.3	U
n-Decane (C10)	1.3	U	n-Tricosane (C23)	1.3	U
n-Undecane (C11)	1.3	U	n-Tetracosane (C24)	1.3	U
n-Dodecane (C12)	1.3	U	n-Pentacosane (C25)	1.3	U
n-Tridecane (C13)	1.3	U	n-Hexacosane (C26)	1.3	U
2,6,10 Trimethyldodecane (1380)	1.3	U	n-Heptacosane (C27)	1.3	U
n-Tetradecane (C14)	1.3	U	n-Octacosane (C28)	1.3	U
2,6,10 Trimethyltridecane (1470)	1.3	U	n-Nonacosane (C29)	1.3	U
n-Pentadecane (C15)	1.3	U	n-Triacontane (C30)	1.3	U
n-Hexadecane (C16)	1.3	U	n-Hentriacontane (C31)	1.3	U
Norpristane (1650)	1.3	U	n-Dotriacontane (C32)	1.3	U
n-Heptadecane (C17)	1.3	U	n-Tritriacontane (C33)	1.3	U
Pristane	1.3	U	n-Tetratriacontane (C34)	1.3	U
n-Octadecane (C18)	1.3	U	n-Pentatriacontane (C35)	1.3	U
Phytane	1.3	U	n-Hexatriacontane (C36)	1.3	U
n-Nonadecane (C19)	1.3	U	n-Heptatriacontane (C37)	1.3	U
n-Eicosane (C20)	1.3	U	n-Octatriacontane (C38)	1.3	U
n-Heneicosane (C21)	1.3	U	n-Tetracontane (C40)	1.3	U

Total Hydrocarbon Summary

Total Saturated Hydrocarbons	1.3	U
Total Petroleum Hydrocarbons	2700	

Surrogate	% Recovery	Acceptance Range (%)
ortho-Terphenyl	77	50-130
d50-Tetracosane	75	50-130

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported

Form I
Total Saturated Hydrocarbons by GC/FID

ALPHA WOODS HOLE LABS

Client: NewFields Environmental Forensics Practice
Project: Delta Environmental-Portland Terminal
Client ID: K-9-10
Case: N/A SDG: N/A
Matrix: Soil

Lab Code: MA00030
ETR: 0607102
Lab ID: 0607102-11
Associated Blank: TS072706B07
Concentration Units: mg/Kg

Date Collected	Date Received	Date Extracted	Date Analyzed	Percent Solid	Sample Amount (g)	Final Volume (ml)	Dilution Factor	Analyst
07/24/06	07/26/06	07/27/06	08/03/06	90.4	9.95	5	1	AC

Parameter	Result		Parameter	Result	
n-Nonane (C9)	0.56	U	n-Docosane (C22)	0.56	U
n-Decane (C10)	0.56	U	n-Tricosane (C23)	0.56	U
n-Undecane (C11)	0.56	U	n-Tetracosane (C24)	0.56	U
n-Dodecane (C12)	0.56	U	n-Pentacosane (C25)	0.56	U
n-Tridecane (C13)	0.56	U	n-Hexacosane (C26)	0.56	U
2,6,10 Trimethyldodecane (1380)	0.56	U	n-Heptacosane (C27)	0.56	U
n-Tetradecane (C14)	0.56	U	n-Octacosane (C28)	0.56	U
2,6,10 Trimethyltridecane (1470)	0.56	U	n-Nonacosane (C29)	0.56	U
n-Pentadecane (C15)	0.56	U	n-Triacontane (C30)	0.56	U
n-Hexadecane (C16)	0.56	U	n-Hentriacontane (C31)	0.56	U
Norpristane (1650)	0.56	U	n-Dotriacontane (C32)	0.56	U
n-Heptadecane (C17)	0.56	U	n-Tritriacontane (C33)	0.56	U
Pristane	0.56	U	n-Tetratriacontane (C34)	0.56	U
n-Octadecane (C18)	0.56	U	n-Pentatriacontane (C35)	0.56	U
Phytane	0.56	U	n-Hexatriacontane (C36)	0.56	U
n-Nonadecane (C19)	0.56	U	n-Heptatriacontane (C37)	0.56	U
n-Eicosane (C20)	0.56	U	n-Octatriacontane (C38)	0.56	U
n-Heneicosane (C21)	0.56	U	n-Tetracontane (C40)	0.56	U

Total Hydrocarbon Summary

Total Saturated Hydrocarbons	0.56	U
Total Petroleum Hydrocarbons	18	U

Surrogate	% Recovery	Acceptance Range (%)
ortho-Terphenyl	78	50-130
1,50-Tetracosane	76	50-130

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported

08/16/06 07:28

COP0015970

Form I
Total Saturated Hydrocarbons by GC/FID

ALPHA WOODS HOLE LABS

Client: NewFields Environmental Forensics Practice
Project: Delta Environmental-Portland Terminal
Client ID: K-9-13
Case: N/A SDG: N/A
Matrix: Soil

Lab Code: MA00030
ETR: 0607102
Lab ID: 0607102-12
Associated Blank: TS072706B07
Concentration Units: mg/Kg

Date Collected	Date Received	Date Extracted	Date Analyzed	Percent Solid	Sample Amount (g)	Final Volume (ml)	Dilution Factor	Analyst
07/24/06	07/26/06	07/27/06	08/04/06	86.6	5.02	5	1	AC

Parameter	Result		Parameter	Result	
n-Nonane (C9)	1.2	U	n-Docosane (C22)	1.2	U
n-Decane (C10)	1.2	U	n-Tricosane (C23)	1.2	U
n-Undecane (C11)	1.2	U	n-Tetracosane (C24)	1.2	U
n-Dodecane (C12)	1.2	U	n-Pentacosane (C25)	1.2	U
n-Tridecane (C13)	1.2	U	n-Hexacosane (C26)	1.2	U
2,6,10 Trimethyldodecane (1380)	31		n-Heptacosane (C27)	1.2	U
n-Tetradecane (C14)	1.2	U	n-Octacosane (C28)	1.2	U
2,6,10 Trimethyltridecane (1470)	26		n-Nonacosane (C29)	1.2	U
n-Pentadecane (C15)	1.2	U	n-Triacontane (C30)	1.2	U
n-Hexadecane (C16)	1.2	U	n-Hentriacontane (C31)	1.2	U
Norpristane (1650)	5.2		n-Dotriacontane (C32)	1.2	U
n-Heptadecane (C17)	1.2	U	n-Tritriacontane (C33)	1.2	U
Pristane	14		n-Tetratriacontane (C34)	1.2	U
n-Octadecane (C18)	1.2	U	n-Pentatriacontane (C35)	1.2	U
Phytane	3.4		n-Hexatriacontane (C36)	1.2	U
n-Nonadecane (C19)	1.2	U	n-Heptatriacontane (C37)	1.2	U
n-Eicosane (C20)	1.2	U	n-Octatriacontane (C38)	1.2	U
n-Heneicosane (C21)	1.2	U	n-Tetracontane (C40)	1.2	U

Total Hydrocarbon Summary

Total Saturated Hydrocarbons	17
Total Petroleum Hydrocarbons	3300

Surrogate	% Recovery	Acceptance Range (%)
ortho-Terphenyl	78	50-130
d50-Tetracosane	76	50-130

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

COP001597

CITY OF PORTLAND
ENVIRONMENTAL SERVICES
1120 SW Fifth Avenue, Room 1000, Portland, Oregon 97204-1912 ▪ Sam Adams, Commissioner ▪ Dean Marriott, Director

November 9, 2006

Mr. Henning Larson
Department of Environmental Quality
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987

Subject: Storm Water Pathway Evaluation Work Plan – ConocoPhillips Company, Portland Terminal

Dear Mr. Larson:

The City of Portland Bureau of Environmental Services (City) appreciates this opportunity to provide comments to the Oregon Department of Environmental Quality (DEQ) from our review of the *Storm Water Pathway Evaluation Work Plan, ConocoPhillips Company Portland Terminal* prepared by Delta and dated October 20, 2006. The City's review focused on the evaluation of potential contaminant discharges to the City stormwater conveyance system from the ConocoPhillips site.

The ConocoPhillips site at 5528 NW Doane Avenue is divided into three major tank farms: Tank Farm 1 to the east of NW Doane Avenue, Tank Farm 2 to the south of the intersection between NW Doane Avenue and NW Front Avenue, and Tank Farm 3 to the northeast of the intersection between NW Doane Avenue and NW St. Helens Road. Each of the three tank farms has an onsite oil/water separator (OWS) that treats stormwater before it is discharged to the City's stormwater conveyance system. Tank Farms 1 and 2 discharge to the City's Outfall 22 basin, and Tank Farm 3 discharges to the City's Outfall 19 basin. A portion of site stormwater from areas outside the tank farms is either transported through underground piping to the City's stormwater conveyance system or flows overland to surrounding areas. Both Outfall 22 and Outfall 19 discharge to the Willamette River within the Portland Harbor Study Area.

In general, the work plan and the documents submitted to date provide a clear approach to assessing the potential for site contaminants to reach the Willamette River via the stormwater pathway. The City offers the following specific comments on the *Storm Water Pathway Evaluation Work Plan.*

Comments by Section:

Section 2.4.2 Current Operations

This section describes the "treatment" process of stormwater that is collected onsite and diverted through the OWS. While the document refers to this stormwater as "treated" before entering the City's stormwater conveyance system, the water is receiving only mechanical separation of oil and petroleum products. Other contaminants may still be discharging to the City's system. Please clarify in the text that the OWS only removes oil and sheen from the stormwater.

COP0015972

Section 2.4.3 Other Areas
Please describe the nature of activities that take place on the gravel area in Tank Farm 3, as this area drains directly to the City's Outfall 19 stormwater system.

Section 4.0 Site Chemicals of Interest and Analysis
In addition to the proposed catch basin sediment analytical list, the City requests that pesticide analysis (using EPA Method 8081) also be included. Based on a discussion with DEQ regarding the Willbridge area, some tanks may have been used historically for storage of pesticide formulations and pesticides have been detected at elevated concentrations in the sediment offshore from Outfall 22.

Section 5.1 Catch Basin Sampling Locations
The City recommends that the following additional catch basins be sampled:

- Tank Farm 1 – A catch basin from the truck loading area (CB-01, -02 or -03), and one from the area that drains directly to the NW Doane Avenue stormwater lines (CB-17).
- Tank Farm 3 – A catch basin from the untreated area (CB-42).
- Dock Area – Please also sample CB-A, because this drains to a 4" line and elevated PCBs have been detected just off shore from this line.

Section 5.2.2 Reporting
The text should state that a data validation report will be included with the results.

Section 6.1 Sampling Locations
In addition to the three stormwater sampling locations described in this section, the City also requests that non-treated stormwater be collected and analyzed. This would include runoff from roofs, parking and storage areas, which drain to the stormwater system on NW Doane Avenue. A map showing drainage areas for the non-treated stormwater should be provided to determine representative sampling locations for non-treated stormwater that ultimately enters the City's stormwater conveyance system.

Section 6.2 Sampling Frequency
Please state here that at least two of the samples will be collected during "first flush" events and storm event criteria (e.g., antecedent dry period and predicted storm size) specified in the DEQ/EPA Portland Harbor Joint Source Control Strategy (JSCS) will be met.

Section 6.4 Analytical Testing
Please clarify that the analyte list for the liquid samples will be determined based on the results of catch basin sampling, but that method detection limits will need to be adjusted to meet the low liquid screening levels.

Section 6.5 Screening Evaluation and Reporting
This section needs to clarify that stormwater samples will be compared to different screening levels than the catch basin solids. Liquid samples should be compared to JSCS SLVs for ecological receptors.

COP0015973

Figures

The City's storm lines and 60-inch-diameter line to Outfall 22 do not show up very well on the site figures. As these lines complete the stormwater pathway to the river, figures should be revised to ensure they are visible and the outfalls are labeled. Also, on Figures 2 and 6, please indicate that the "Kittridge Outfall" is actually the City's Outfall 19.

Other

Please provide a list of analytes and method detection and reporting limits from the laboratories that will be conducting the analysis of these samples, to ensure that data can be screened against the JSCS SLVs. The samples that have been collected to date as part of the facility's NPDES permit were not analyzed with low enough detection limits to conduct this comparison.

Thank you for your consideration of these comments. Please feel free to contact me at (503) 823-2296 if you have any questions regarding this letter.

Sincerely,

Linda Scheffler
Water Resources Program Manager
Superfund Program

Cc: Tom Roick/DEQ
Kristine Koch/EPA
Dawn Sanders/ City of Portland
Rick Applegate/City of Portland
Michael Pronold/City of Portland
Bruce Brody-Heine/GSI

COP0015974

0922

LETTER OF WARNING

United States Coast Guard

MARINE SAFETY OFFICE
RESPONSE BRANCH
(503)240-9379

6767 N. BASIN AVENUE
PORTLAND, OREGON
97217

On or about 30 JAN 2007, U. S. Coast Guard Marine Safety Office Portland, Oregon investigated a pollution incident involving your ~~vessel~~/facility at 5528 NW DOANE AVE. It has been determined that you are responsible for this incident, associated removal costs and any damages resulting from your discharge of oil.

A discharge of oil into a navigable waterway of the United States is a violation of Section 311 of the Clean Water Act. A violation of the Act can result in a civil penalty of up to ~~$25,000~~ 32,500 for each violation.

Under the Oil Spill Liability Act of 1990, the responsible party is liable for, among other things, removal costs and damages resulting from this incident. As long as the OSC determines that you are taking adequate actions in this matter, Federal removal action will usually be limited to monitoring the progress of your actions and providing guidance as necessry.

In consideration of this incident and the absence of recent similar violations, I am issuing this Letter of Warning in lieu of initiating an administrative penalty action. I currently do not intend to pursue this matter further. However, this incident may be considered or processed as a violation, if further information is uncovered. I urge your cooperation in preventing repetition of such violations.

A record of this incident will be maintained by the Coast Guard and this violation may be considered in the event future violations occur.

RESPONSIBLE PARTY

Name: CONOCO PHILLIPS
Address: 5528 NW DOANE AVE
PORTLAND, OR 97210

Phone #: 503-248-1538

Vsl/Fac Name: CONOCO PHILLIPS
VIN/FIN: PDX200058
Other Source Info:

RP violation history NONE IN LAST 12 MONTHS

DISCHARGE INFORMATION

A violation of 33 USC 1321(b)(3) has been determined in that, there was a discharge of an oil or designated hazardous substance, in a harmful quantity, into a navigable waterway or adjoining shoreline of the United States, from your vessel, onshore or offshore facility, and you are the responsible party.

Incident Description: ON 30 JAN 2007 A SHEEN WAS OBSERVED FROM OUTFALL ON CONOCO PHILLIPS PROPERTY. SOURCE WAS TRACED TO HISTORIC GROUND SPILL LEACHING INTO STORM SYSTEM. CLEAN-UP IS UNDERWAY.

Issued by MST3 GEORGE R BRON Date/Time 31 JAN 07 0834
Pollution Investigator

Received by SENT VIA US MAIL Date/Time 31 JAN 07 0834

COP0015975

U.S. Department of Transportation

United States Coast Guard

COMMANDING OFFICER

NOTICE OF FEDERAL INTEREST FOR AN OIL POLLUTION INCIDENT

CONOCO PHILLIPS
5528 NW DOANE AVE
PORTLAND OR 97210

503-240-9370

Gentlemen:

On or about 30 JAN 2007, an oil pollution incident occurred ~~or threatens to occur~~ at CONOCO PHILLIPS. You may be financially responsible for that incident. Under Federal Statutes, the United States Government may take action to minimize or mitigate damage to the public health or welfare that is threatened or that may be caused by this incident.

Under the Oil Pollution Act of 1990, the responsible party is liable for, among other things, removal costs and damages resulting from this incident. The failure or refusal of the responsible party to provide all reasonable cooperation and assistance requested by the Federal On-Scene Coordinator (OSC) will eliminate any defense or entitlement to limited liability which otherwise might be available under the Act.

You are advised that your failure to properly carry out the removal of the discharge as ordered by the OSC or to comply with any administrative orders necessary to protect the public health and welfare, may subject you to additional penalties. For such failure, owners, operators, or persons in charge of the vessel or facility from which the oil is discharged are subject under the Federal Water Pollution Control Act (FWPCA), as amended, to a civil penalty of up to ~~$25,000~~ $32,500 per day of violation or up to 3 times the costs incurred by the Oil Spill Liability Trust Fund. Should you require further information concerning this matter, please contact MST3 BIRCH, GEORGE R. at the above address and telephone number.

As long as the OSC determines that you are taking adequate actions in this matter, Federal removal action will usually be limited to monitoring the progress of your actions and providing guidance as necessary. Under the FWPCA, as amended, your response actions may be taken into account in determining the amount of any penalty assessed as a result of the discharge.

Sincerely,

MST3 [signature]

Received and Acknowledged: SENT VIA US MAIL

Witness(es): MST3 [signature]

DEPT. OF TRANSP., USCG, CG-5549 (5-92) *U.S.GPO:1992-0-622-727 SN 7530-01-GF3-2620

COP0015976

Hillsboro Landfill, Inc.

3205 SE MINTER BRIDGE ROAD HILLSBORO, OR 97123

PERMIT # 100189OR

Tracking Number 10711

PERMIT TO DISPOSE OF NON-HAZARDOUS MATERIALS

This permit authorizes disposal of Customer's waste materials in accordance with the Industrial Waste & Disposal Services Agreement dated *2/04*

EXPIRES: 7/5/07

GENERATOR: CONOCOPHILLIPS

DESCRIPTION: *PCS*	**TONS:** *20*
☐ SPECIAL WASTE ☒ CS ☐ C&D ☐ CLEAN-UP	
LOCATION: *PORTLAND, OREGON*	**COUNTY:** *Multnomah*
CONTACT: *SCOTT GILFILLAN*	**PHONE:** *503-248-1517*
	FAX: *503-247-9466*

BILLING: *Landfill account COWLITZ CLEAN SWEEP*	**PO#:** *N/A*	**JOB#:** *N/A*

We accept business checks, cash, VISA / Mastercard or charge(with prior approval)

SPECIAL HANDLING : ***NOTE: NO FREE LIQUIDS***

MK **TyT**

APPROVED: KC ***KRISTIN CASTNER*** DATE: ***04/05/07 11:58:58 AM***

A COPY OF THIS PERMIT MUST BE SHOWN BY EACH DRIVER

THERE IS A MINIMUM CHARGE OF $50-$60 FOR EACH LOAD OF SPECIAL WASTE

WASTE MANAGEMENT

HAZARDOUS WASTE IS STRICTLY PROHIBITED

WASTE MANAGEMENT

100189OR

Columbia Ridge Hillsboro Riverbend Graham Road Capitol Wenatchee

Profile Number: 10711

Expiration Date: _____

WASTE PROFILE SHEET
TERMS & CONDITIONS

Service Agreement on File? ☐ Yes ☐ No

This form is to be used to comply with the requirements of governmental waste screening criteria

Profile Addendum Attached? ☐ Yes ☐ No

A. Waste Generator Information

1 Generator/Site Name: Conoco Phillips
2 SIC Code: _____
3 Site Address: 5528 NW Doane
4 Site City: Portland
5 Site State: OR 7 Zip Code: 97210
6 Site Country: U.S
8 Generator USEPA/Federal ID#: _____
9 Site Phone: 503 248 1517
10 Customer Name: Cowlitz Clean Sweep
11 Customer Phone: 503 247 9466
12 Customer Contact: Scott Giffin
13. Customer FAX: _____

B. Waste Stream and Billing Information

1 Waste Description Category: Non Hazardous Soil
3 Billing Address: _____
2 State Waste Code: _____
4 Process Generating Waste: Monitoring well installation
5 Transporter/Transfer Station: _____
6 Shipping Method: _____
7 Estimated Quantity (Weight & Vol): 10 tons per x job ☐ Year ☐ Other _____
8 Delivery Date(s): _____
9 Personal Protective Equipment Requirements: Level D
10 Is this a US Dept of Transportation (USDOT) Hazardous Material? ☐ Yes x No (If no skip 10 11 and 12)
11 Reportable Quantity: _____
12 Hazard Class / I.D #: _____
13. Shipping Name: _____

☐ Check if additional information is attached. Indicate the number of attached pages: _____

C. Generator's Certification (Please check appropriate responses, sign and date reverse side)

		Yes	No	
1	Is the waste represented by this waste profile sheet a Hazardous Waste as defined by USEPA Canadian, Mexican State or Provincial regulation?	☐	X	
2	Does the waste represented by this waste profile sheet contain regulated radioactive material or regulated concentrations of Polychlorinated Biphenyls (PCBs)?	☐	X	
3	Does this waste profile sheet and all attachments contain true and accurate descriptions of the waste material?	X	☐	
4	Has all relevant information within the possession of the Generator and Customer regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor?	X	☐	
5	Is the analytical data attached hereto derived from testing a representative sample in accordance with 40 CFR 261 20(c) or equivalent rules?	X	☐	☐ N/A
6	Will all changes that occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor?	X	☐	

D. WM Management's Decision

1 Management Method: _____
2 Designated Facility: _____
3 Hours of acceptance: _____ ☐ N/A
4 Precautions, Special Handling Procedures, or Limitations on Approval: _____

Generic Approval: ☐ Yes ☐ No
Special Waste Decision: ☐ Approved ☐ Disapproved

Sales Person: _____ Date: _____ Technical Manager: _____ Date: _____

GENERATOR AND CUSTOMER MUST READ AND SIGN REVERSE HEREOF INITIAL JFT INITIAL _____

James F. Trotter, Site Manager
ConocoPhillips Company

COP0015978

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Original
Ticket# 1052775

Customer Name COWLITZCLEAN COWLITZ CLEAN SW
Ticket Date 04/09/2007
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest na
Destination
PO 1001890R
Profile 1001890R (PCS)
Generator 168-CONOCOPHILLIPS97210 CONOCO PHILLIPS 97210

Carrier SELFHLD SELF HAULED
Vehicle# 143
Container
Driver dan
Check#
Billing # 0000068
Gen EPA ID
Grid

Volume

	Time	Scale	Operator	Inbound			
In	04/09/2007 08:24:00	Inbound 1	bml		Gross	25580	lb
Out	04/09/2007 08:35:51	Outbound	bml		Tare	18400	lb
					Net	7180	lb
					Tons	3.59	

Comments

Consumer Comments? We want to know. Please call.

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	3.59	Tons	29.21	20.78	$104.86	MULT-IN
2	EVL-Env Fee Lg.	100	1	Load	4.00		$4.00	MULT-IN

Total Tax $20.78
Total Ticket $129.64

Driver's Signature

COP0015979

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

February 28, 2007

Jacob Neal
Delta Environmental Consultants - Tigard
7150 SW Hampton - Suite 220
Tigard, OR 97223

RE: Willbridge Terminal -Conoco Phillips

Enclosed are the results of analyses for samples received by the laboratory on 02/19/07 10:25. The following list is a summary of the Work Orders contained in this report, generated on 02/28/07 10:33.

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

Work Order	Project	ProjectNumber
PQB0636	Willbridge Terminal -Conoco	ORZ0922

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.

Sarah Rockwell Project Manager

COP0015080

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Delta Environmental Consultants - Tigard	Project Name:	**Willbridge Terminal -Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922	Report Created:
Tigard, OR 97223	Project Manager:	Jacob Neal	02/28/07 10:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
U-18-10	PQB0636-01	Soil	02/16/07 12:50	02/19/07 10:25
U-18-15	PQB0636-02	Soil	02/16/07 12:58	02/19/07 10:25
U-18-20	PQB0636-03	Soil	02/16/07 13:10	02/19/07 10:25
U-19-5	PQB0636-04	Soil	02/16/07 15:40	02/19/07 10:25
U-19-10	PQB0636-05	Soil	02/16/07 15:45	02/19/07 10:25
U-19-15	PQB0636-06	Soil	02/16/07 15:50	02/19/07 10:25
U-19-18	PQB0636-07	Soil	02/16/07 15:55	02/19/07 10:25

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.

Sarah Rockwell, Project Manager

COP0015081

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Delta Environmental Consultants - Tigard	Project Name:	Willbridge Terminal -Conoco Phillips	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922	Report Created:
Tigard, OR 97223	Project Manager:	Jacob Neal	02/28/07 10:33

Gasoline Hydrocarbons per NW TPH-Gx Method

TestAmerica - Portland, OR

Analyte	Method	Result	MDL[A]	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQB0636-01 (U-18-10)		Soil			Sampled: 02/16/07 12:50					
Gasoline Range Hydrocarbons	NW TPH-Gx	228	—	4.67	mg/kg dry	1x	7020700	02/19/07 11:35	02/20/07 00:04	
Surrogate(s): a,a,a-TFT			*66.8%*		*50 - 150 %*	"			"	
PQB0636-02 (U-18-15)		Soil			Sampled: 02/16/07 12:58					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	—	5.13	mg/kg dry	1x	7020700	02/19/07 11:35	02/20/07 00:58	
Surrogate(s): a,a,a-TFT			*70.1%*		*50 - 150 %*	"			"	
PQB0636-03 (U-18-20)		Soil			Sampled: 02/16/07 13:10					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	—	5.40	mg/kg dry	1x	7020700	02/19/07 11:35	02/20/07 01:53	
Surrogate(s): a,a,a-TFT			*74.2%*		*50 - 150 %*	"			"	
PQB0636-04 (U-19-5)		Soil			Sampled: 02/16/07 15:40					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	—	4.07	mg/kg dry	1x	7020700	02/19/07 11:35	02/20/07 02:47	
Surrogate(s): a,a,a-TFT			*74.8%*		*50 - 150 %*	"			"	
PQB0636-05 (U-19-10)		Soil			Sampled: 02/16/07 15:45					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	—	4.29	mg/kg dry	1x	7020700	02/19/07 11:35	02/20/07 03:15	
Surrogate(s): a,a,a-TFT			*76.5%*		*50 - 150 %*	"			"	
PQB0636-06 (U-19-15)		Soil			Sampled: 02/16/07 15:50					
Gasoline Range Hydrocarbons	NW TPH-Gx	87.3	—	5.41	mg/kg dry	1x	7020700	02/19/07 11:35	02/20/07 04:09	
Surrogate(s): a,a,a-TFT			*76.9%*		*50 - 150 %*	"			"	
PQB0636-07 (U-19-18)		Soil			Sampled: 02/16/07 15:55					
Gasoline Range Hydrocarbons	NW TPH-Gx	26.5	—	5.12	mg/kg dry	1x	7020700	02/19/07 11:35	02/20/07 04:36	
Surrogate(s): a,a,a-TFT			*77.3%*		*50 - 150 %*	"			"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.

Sarah Rockwell

Sarah Rockwell, Project Manager

TestAmerica
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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
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Delta Environmental Consultants - Tigard	Project Name:	**Willbridge Terminal -Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922	Report Created:
Tigard, OR 97223	Project Manager:	Jacob Neal	02/28/07 10:33

Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method with Acid/Silica Gel Cleanup

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQB0636-01 (U-18-10)		Soil			Sampled: 02/16/07 12:50					
Diesel Range Organics	NWTPH-Dx	**23600**	---	151	mg/kg dry	10x	7020701	02/19/07 17:00	02/20/07 20:15	
Heavy Oil Range Hydrocarbons	"	**1480**	---	302	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*102%*		*50 - 150 %*	"			"	*Z9*
PQB0636-02 (U-18-15)		Soil			Sampled: 02/16/07 12:58					
Diesel Range Organics	NWTPH-Dx	**70.9**	---	16.3	mg/kg dry	1x	7020701	02/19/07 17:00	02/20/07 14:08	Q9
Heavy Oil Range Hydrocarbons	"	**79.1**	---	32.5	"	"	"	"	"	Q9
Surrogate(s): 1-Chlorooctadecane			*117%*		*50 - 150 %*	"				
PQB0636-03 (U-18-20)		Soil			Sampled: 02/16/07 13:10					
Diesel Range Organics	NWTPH-Dx	ND	---	17.6	mg/kg dry	1x	7020701	02/19/07 17:00	02/20/07 14:40	
Heavy Oil Range Hydrocarbons	"	ND	---	35.2	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*107%*		*50 - 150 %*	"			"	
PQB0636-04 (U-19-5)		Soil			Sampled: 02/16/07 15:40					
Diesel Range Organics	NWTPH-Dx	**14.5**	---	13.5	mg/kg dry	1x	7020701	02/19/07 17:00	02/20/07 15:12	Q6
Heavy Oil Range Hydrocarbons	"	**80.7**	---	26.9	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*111%*		*50 - 150 %*	"			"	
PQB0636-05 (U-19-10)		Soil			Sampled: 02/16/07 15:45					
Diesel Range Organics	NWTPH-Dx	ND	---	13.9	mg/kg dry	1x	7020701	02/19/07 17:00	02/20/07 15:45	
Heavy Oil Range Hydrocarbons	"	ND	---	27.8	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*110%*		*50 - 150 %*	"			"	
PQB0636-06 (U-19-15)		Soil			Sampled: 02/16/07 15:50					
Diesel Range Organics	NWTPH-Dx	ND	---	17.9	mg/kg dry	1x	7020701	02/19/07 17:00	02/20/07 16:13	
Heavy Oil Range Hydrocarbons	"	ND	---	35.7	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*107%*		*50 - 150 %*	"			"	
PQB0636-07 (U-19-18)		Soil			Sampled: 02/16/07 15:55					
Diesel Range Organics	NWTPH-Dx	ND	---	17.2	mg/kg dry	1x	7020701	02/19/07 17:00	02/20/07 16:40	
Heavy Oil Range Hydrocarbons	"	ND	---	34.4	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*102%*		*50 - 150 %*	"			"	

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Sarah Rockwell, Project Manager

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Delta Environmental Consultants - Tigard	Project Name:	**Willbridge Terminal Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922	Report Created:
Tigard, OR 97223	Project Manager:	Jacob Neal	02/28/07 10:33

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQB0636-01 (U-18-10)		**Soil**			**Sampled: 02/16/07 12:50**					
1,2-Dibromoethane	EPA 8260B	ND	—	29.2	ug/kg dry	1x	7020663	02/19/07 11:35	02/20/07 20:07	
1,2-Dichloroethane	"	ND	—	29.2	"	"	"	"	"	
Benzene	"	ND	—	11.7	"	"	"	"	"	
Toluene	"	ND	—	29.2	"	"	"	"	"	
Ethylbenzene	"	ND	—	29.2	"	"	"	"	"	
Xylenes (total)	"	ND	—	58.4	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	—	23.3	"	"	"	"	"	
Naphthalene	"	ND	—	408	"	"	"	"	"	RL1
1,2,4-Trimethylbenzene	"	ND	—	58.4	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	—	146	"	"	"	"	"	RL1
Isopropylbenzene	"	**431**	—	117	"	"	"	"	"	
n-Propylbenzene	"	**1050**	—	29.2	"	"	"	"	"	
Surrogate(s): 4-BFB		*105%*		*75 - 125 %*	*0.02x*				"	
1,2-DCA-d4		*83.7%*		*75 - 125 %*	"				"	
Dibromofluoromethane		*89.7%*		*75 - 125 %*	"				"	
Toluene-d8		*101%*		*75 - 125 %*	"				"	
PQB0636-02 (U-18-15)		**Soil**			**Sampled: 02/16/07 12:58**					
1,2-Dibromoethane	EPA 8260B	ND	—	32.1	ug/kg dry	1x	7020663	02/19/07 11:35	02/20/07 19:40	
1,2-Dichloroethane	"	ND	—	32.1	"	"	"	"	"	
Benzene	"	ND	—	12.8	"	"	"	"	"	
Toluene	"	ND	—	32.1	"	"	"	"	"	
Ethylbenzene	"	ND	—	32.1	"	"	"	"	"	
Xylenes (total)	"	ND	—	64.2	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	—	25.7	"	"	"	"	"	
Naphthalene	"	ND	—	128	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	—	64.2	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	—	32.1	"	"	"	"	"	
Isopropylbenzene	"	ND	—	128	"	"	"	"	"	
n-Propylbenzene	"	ND	—	32.1	"	"	"	"	"	
Surrogate(s): 4-BFB		*98.1%*		*75 - 125 %*	*0.02x*				"	
1,2-DCA-d4		*88.7%*		*75 - 125 %*	"				"	
Dibromofluoromethane		*89.5%*		*75 - 125 %*	"				"	
Toluene-d8		*99.6%*		*75 - 125 %*	"				"	

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Delta Environmental Consultants - Tigard	Project Name:	**Willbridge Terminal-Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922	Report Created:
Tigard, OR 97223	Project Manager:	Jacob Neal	02/28/07 10:33

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQB0636-03 (U-18-20)		**Soil**			**Sampled: 02/16/07 13:10**					
1,2-Dibromoethane	EPA 8260B	ND	—	33.7	ug/kg dry	1x	7020663	02/19/07 11:35	02/20/07 03:13	
1,2-Dichloroethane	"	ND	—	33.7	"	"	"	"	"	
Benzene	"	ND	—	13.5	"	"	"	"	"	
Toluene	"	ND	—	33.7	"	"	"	"	"	
Ethylbenzene	"	ND	—	33.7	"	"	"	"	"	
Xylenes (total)	"	ND	—	67.5	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	—	27.0	"	"	"	"	"	
Naphthalene	"	ND	—	135	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	—	67.5	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	—	33.7	"	"	"	"	"	
Isopropylbenzene	"	ND	—	135	"	"	"	"	"	
n-Propylbenzene	"	ND	—	33.7	"	"	"	"	"	
Surrogate(s): 4-BFB		*100%*			*75 - 125 %*	*0.02x*			"	
1,2-DCA-d4		*84.8%*			*75 - 125 %*	"			"	
Dibromofluoromethane		*86.3%*			*75 - 125 %*	"			"	
Toluene-d8		*98.5%*			*75 - 125 %*	"			"	
PQB0636-04 (U-19-5)		**Soil**			**Sampled: 02/16/07 15:40**					
1,2-Dibromoethane	EPA 8260B	ND	—	25.4	ug/kg dry	1x	7020663	02/19/07 11:35	02/20/07 03:40	
1,2-Dichloroethane	"	ND	—	25.4	"	"	"	"	"	
Benzene	"	ND	—	10.2	"	"	"	"	"	
Toluene	"	ND	—	25.4	"	"	"	"	"	
Ethylbenzene	"	ND	—	25.4	"	"	"	"	"	
Xylenes (total)	"	ND	—	50.8	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	—	20.3	"	"	"	"	"	
Naphthalene	"	ND	—	102	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	—	50.8	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	—	25.4	"	"	"	"	"	
Isopropylbenzene	"	ND	—	102	"	"	"	"	"	
n-Propylbenzene	"	ND	—	25.4	"	"	"	"	"	
Surrogate(s): 4-BFB		*100%*			*75 - 125 %*	*0.02x*			"	
1,2-DCA-d4		*83.7%*			*75 - 125 %*	"			"	
Dibromofluoromethane		*89.7%*			*75 - 125 %*	"			"	
Toluene-d8		*99.0%*			*75 - 125 %*	"			"	

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Sarah Rockwell

Sarah Rockwell, Project Manager

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Delta Environmental Consultants - Tigard	Project Name:	Willbridge Terminal -Conoco Phillips	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922	Report Created:
Tigard, OR 97223	Project Manager:	Jacob Neal	02/28/07 10:33

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQB0636-05 (U-19-10)		**Soil**			**Sampled: 02/16/07 15:45**					
1,2-Dibromoethane	EPA 8260B	ND	—	26.8	ug/kg dry	1x	7020663	02/19/07 11:35	02/20/07 04:07	
1,2-Dichloroethane	"	ND	—	26.8	"	"	"	"	"	
Benzene	"	ND	—	10.7	"	"	"	"	"	
Toluene	"	ND	—	26.8	"	"	"	"	"	
Ethylbenzene	"	ND	—	26.8	"	"	"	"	"	
Xylenes (total)	"	ND	—	53.6	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	—	21.4	"	"	"	"	"	
Naphthalene	"	ND	—	107	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	—	53.6	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	—	26.8	"	"	"	"	"	
Isopropylbenzene	"	ND	—	107	"	"	"	"	"	
n-Propylbenzene	"	ND	—	26.8	"	"	"	"	"	
Surrogate(s): 4-BFB		*99.5%*		*75 - 125 %*		*0.02x*			"	
1,2-DCA-d4		*83.2%*		*75 - 125 %*		"			"	
Dibromofluoromethane		*87.4%*		*75 - 125 %*		"			"	
Toluene-d8		*100%*		*75 - 125 %*		"			"	
PQB0636-06 (U-19-15)		**Soil**			**Sampled: 02/16/07 15:50**					
1,2-Dibromoethane	EPA 8260B	ND	—	33.8	ug/kg dry	1x	7020663	02/19/07 11:35	02/20/07 04:35	
1,2-Dichloroethane	"	ND	—	33.8	"	"	"	"	"	
Benzene	"	ND	—	13.5	"	"	"	"	"	
Toluene	"	ND	—	33.8	"	"	"	"	"	
Ethylbenzene	"	ND	—	33.8	"	"	"	"	"	
Xylenes (total)	"	ND	—	67.6	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	—	27.1	"	"	"	"	"	
Naphthalene	"	ND	—	135	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	—	67.6	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	—	33.8	"	"	"	"	"	
Isopropylbenzene	"	ND	—	135	"	"	"	"	"	
n-Propylbenzene	"	**189**	—	33.8	"	"	"	"	"	
Surrogate(s): 4-BFB		*101%*		*75 - 125 %*		*0.02x*			"	
1,2-DCA-d4		*81.9%*		*75 - 125 %*					"	
Dibromofluoromethane		*86.0%*		*75 - 125 %*		"			"	
Toluene-d8		*97.0%*		*75 - 125 %*		"			"	

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Sarah Rockwell, Project Manager

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Delta Environmental Consultants - Tigard	Project Name:	**Willbridge Terminal -Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922	Report Created:
Tigard, OR 97223	Project Manager:	Jacob Neal	02/28/07 10:33

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQB0636-07 (U-19-18)		**Soil**			**Sampled: 02/16/07 15:55**					
1,2-Dibromoethane	EPA 8260B	ND	—	32.0	ug/kg dry	1x	7020663	02/19/07 11:35	02/20/07 05:02	
1,2-Dichloroethane	"	ND	—	32.0	"	"	"	"	"	
Benzene	"	ND	—	12.8	"	"	"	"	"	
Toluene	"	ND	—	32.0	"	"	"	"	"	
Ethylbenzene	"	ND	—	32.0	"	"	"	"	"	
Xylenes (total)	"	ND	—	64.0	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	—	25.6	"	"	"	"	"	
Naphthalene	"	ND	—	128	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	—	64.0	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	—	32.0	"	"	"	"	"	
Isopropylbenzene	"	ND	—	128	"	"	"	"	"	
n-Propylbenzene	"	ND	—	32.0	"	"	"	"	"	
Surrogate(s):	*4-BFB*	*103%*			*75 - 125 %*	*0.02x*			"	
	1,2-DCA-d4	*85.9%*			*75 - 125 %*	"			"	
	Dibromofluoromethane	*87.9%*			*75 - 125 %*	"			"	
	Toluene-d8	*99.6%*			*75 - 125 %*	"			"	

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Delta Environmental Consultants - Tigard	Project Name:	Willbridge Terminal-Conoco Phillips	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922	Report Created:
Tigard, OR 97223	Project Manager:	Jacob Neal	02/28/07 10:33

Polynuclear Aromatic Compounds per EPA 8270M-SIM

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQB0636-01 (U-18-10)		**Soil**			**Sampled: 02/16/07 12:50**					**RL3**
Acenaphthene	EPA 8270m	ND	—	2440	ug/kg dry	50x	7020727	02/20/07 13:50	02/22/07 14:20	RL1
Acenaphthylene	"	ND	—	1220	"	"	"	"	"	RL1
Anthracene	"	**1030**	—	814	"	"	"	"	"	
Benzo (a) anthracene	"	ND	—	814	"	"	"	"	"	
Benzo (a) pyrene	"	ND	—	814	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	—	814	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	—	814	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	—	814	"	"	"	"	"	
Chrysene	"	ND	—	814	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	—	814	"	"	"	"	"	
Fluoranthene	"	ND	—	814	"	"	"	"	"	
Fluorene	"	**9580**	—	814	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	—	814	"	"	"	"	"	
Naphthalene	"	ND	—	2850	"	"	"	"	"	RL1
Phenanthrene	"	**6770**	—	814	"	"	"	"	"	
Pyrene	"	ND	—	814	"	"	"	"	"	
Surrogate(s): Fluorene-d10			*NR*		*34 - 125 %*	"			"	Z3
Pyrene-d10			*NR*		*41 - 141 %*	"			"	Z3
Benzo (a) pyrene-d12			*NR*		*38 - 143 %*	"			"	Z3
PQB0636-02 (U-18-15)		**Soil**			**Sampled: 02/16/07 12:58**					
Acenaphthene	EPA 8270m	ND	—	172	ug/kg dry	1x	7020727	02/20/07 13:50	02/22/07 14:49	
Acenaphthylene	"	**18.0**	—	172	"	"	"	"	"	
Anthracene	"	**24.5**	—	172	"	"	"	"	"	
Benzo (a) anthracene	"	**69.7**	—	172	"	"	"	"	"	
Benzo (a) pyrene	"	**55.0**	—	172	"	"	"	"	"	
Benzo (b) fluoranthene	"	**46.1**	—	172	"	"	"	"	"	
Benzo (ghi) perylene	"	**32.2**	—	172	"	"	"	"	"	
Benzo (k) fluoranthene	"	**47.7**	—	172	"	"	"	"	"	
Chrysene	"	**67.1**	—	172	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	—	172	"		"	"		
Fluoranthene	"	**102**	—	172	"	"	"	"	"	
Fluorene	"	**23.8**	—	172	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	**28.6**	—	172	"	"	"	"	"	
Naphthalene	"	ND	—	172	"	"	"	"	"	
Phenanthrene	"	**68.9**	—	172	"	"	"	"	"	
Pyrene	"	**115**	—	172	"	"	"	"	"	
Surrogate(s): Fluorene-d10			*91.5%*		*34 - 125 %*	"			"	
Pyrene-d10			*107%*		*41 - 141 %*	"			"	
Benzo (a) pyrene-d12			*119%*		*38 - 143 %*	"			"	

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Sarah Rockwell, Project Manager

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Delta Environmental Consultants - Tigard	Project Name:	**Willbridge Terminal -Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922	Report Created:
Tigard, OR 97223	Project Manager:	Jacob Neal	02/28/07 10:33

Polynuclear Aromatic Compounds per EPA 8270M-SIM

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQB0636-03 (U-18-20)		**Soil**			**Sampled: 02/16/07 13:10**					
Acenaphthene	EPA 8270m	ND	—	18.4	ug/kg dry	1x	7020727	02/20/07 13:50	02/22/07 15:17	
Acenaphthylene	"	ND	—	18.4	"	"	"	"	"	
Anthracene	"	ND	—	18.4	"	"	"	"	"	
Benzo (a) anthracene	"	ND	—	18.4	"	"	"	"	"	
Benzo (a) pyrene	"	ND	—	18.4	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	—	18.4	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	—	18.4	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	—	18.4	"	"	"	"	"	
Chrysene	"	ND	—	18.4	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	—	18.4	"	"	"	"	"	
Fluoranthene	"	ND	—	18.4	"	"	"	"	"	
Fluorene	"	ND	—	18.4	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	—	18.4	"	"	"	"	"	
Naphthalene	"	ND	—	18.4	"	"	"	"	"	
Phenanthrene	"	ND	—	18.4	"	"	"	"	"	
Pyrene	"	ND	—	18.4	"	"	"	"	"	
Surrogate(s): *Fluorene-d10*		*73.1%*		*34 - 125 %*	"				"	
Pyrene-d10		*87.5%*		*41 - 141 %*	"					
Benzo (a) pyrene-d12		*86.9%*		*38 - 143 %*	"					
PQB0636-04 (U-19-5)		**Soil**			**Sampled: 02/16/07 15:40**					
Acenaphthene	EPA 8270m	ND	—	14.4	ug/kg dry	1x	7020727	02/20/07 13:50	02/22/07 15:46	
Acenaphthylene	"	ND	—	14.4	"	"	"	"	"	
Anthracene	"	ND	—	14.4	"	"	"	"	"	
Benzo (a) anthracene	"	ND	—	14.4	"	"	"	"	"	
Benzo (a) pyrene	"	ND	—	14.4	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	—	14.4	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	—	14.4	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	—	14.4	"	"	"	"	"	
Chrysene	"	ND	—	14.4	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	—	14.4	"	"	"	"	"	
Fluoranthene	"	ND	—	14.4	"	"	"	"	"	
Fluorene	"	ND	—	14.4	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	—	14.4	"	"	"	"	"	
Naphthalene	"	ND	—	14.4	"	"	"	"	"	
Phenanthrene	"	ND	—	14.4	"	"	"	"	"	
Pyrene	"	ND	—	14.4	"	"	"	"	"	
Surrogate(s): *Fluorene-d10*		*99.7%*		*34 - 125 %*	"				"	
Pyrene-d10		*108%*		*41 - 141 %*						
Benzo (a) pyrene-d12		*117%*		*38 - 143 %*	"				"	

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Sarah Rockwell, Project Manager

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Delta Environmental Consultants - Tigard	Project Name:	**Willbridge Terminal - Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922	Report Created:
Tigard, OR 97223	Project Manager:	Jacob Neal	02/28/07 10:33

Polynuclear Aromatic Compounds per EPA 8270M-SIM

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQB0636-05 (U-19-10)		**Soil**			**Sampled: 02/16/07 15:45**					
Acenaphthene	EPA 8270m	ND	—	14.8	ug/kg dry	1x	7020727	02/20/07 13:50	02/22/07 16:14	
Acenaphthylene	"	ND	—	14.8	"	"	"	"	"	
Anthracene	"	ND	—	14.8	"	"	"	"	"	
Benzo (a) anthracene	"	ND	—	14.8	"	"	"	"	"	
Benzo (a) pyrene	"	ND	—	14.8	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	—	14.8	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	—	14.8	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	—	14.8	"	"	"	"	"	
Chrysene	"	ND	—	14.8	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	—	14.8	"	"	"	"	"	
Fluoranthene	"	ND	—	14.8	"	"	"	"	"	
Fluorene	"	ND	—	14.8	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	—	14.8	"	"	"	"	"	
Naphthalene	"	ND	—	14.8	"	"	"	"	"	
Phenanthrene	"	ND	—	14.8	"	"	"	"	"	
Pyrene	"	ND	—	14.8	"	"	"	"	"	
Surrogate(s): *Fluorene-d10*		*97.8%*			*24 - 125 %*	"			"	
Pyrene-d10		*110%*			*41 - 141 %*	"			"	
Benzo (a) pyrene-d12		*118%*			*38 - 143 %*	"			"	
PQB0636-06 (U-19-15)		**Soil**			**Sampled: 02/16/07 15:50**					
Acenaphthene	EPA 8270m	ND	—	18.7	ug/kg dry	1x	7020727	02/20/07 13:50	02/22/07 16:43	
Acenaphthylene	"	ND	—	18.7	"	"	"	"	"	
Anthracene	"	ND	—	18.7	"	"	"	"	"	
Benzo (a) anthracene	"	ND	—	18.7	"	"	"	"	"	
Benzo (a) pyrene	"	ND	—	18.7	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	—	18.7	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	—	18.7	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	—	18.7	"	"	"	"	"	
Chrysene	"	ND	—	18.7	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	—	18.7	"	"	"	"	"	
Fluoranthene	"	ND	—	18.7	"	"	"	"	"	
Fluorene	"	ND	—	18.7	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	—	18.7	"	"	"	"	"	
Naphthalene	"	ND	—	18.7	"	"	"	"	"	
Phenanthrene	"	ND	—	18.7	"	"	"	"	"	
Pyrene	"	ND	—	18.7	"	"	"	"	"	
Surrogate(s): *Fluorene-d10*		*79.6%*			*24 - 125 %*	"			"	
Pyrene-d10		*109%*			*41 - 141 %*	"			"	
Benzo (a) pyrene-d12		*80.3%*			*38 - 143 %*	"			"	

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Sarah Rockwell Project Manager

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Delta Environmental Consultants - Tigard	Project Name:	**Willbridge Terminal -Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922	Report Created:
Tigard, OR 97223	Project Manager:	Jacob Neal	02/28/07 10:33

Polynuclear Aromatic Compounds per EPA 8270M-SIM

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQB0636-07 (U-19-18)		Soil			Sampled: 02/16/07 15:55					
Acenaphthene	EPA 8270m	ND	—	17.9	ug/kg dry	1x	7020727	02/20/07 13:50	02/22/07 17:12	
Acenaphthylene	"	ND	—	17.9	"	"	"	"	"	
Anthracene	"	ND	—	17.9	"	"	"	"	"	
Benzo (a) anthracene	"	ND	—	17.9	"	"	"	"	"	
Benzo (a) pyrene	"	ND	—	17.9	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	—	17.9	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	—	17.9	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	—	17.9	"	"	"	"	"	
Chrysene	"	ND	—	17.9	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	—	17.9	"	"	"	"	"	
Fluoranthene	"	ND	—	17.9	"	"	"	"	"	
Fluorene	"	ND	—	17.9	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	—	17.9	"	"	"	"	"	
Naphthalene	"	ND	—	17.9	"	"	"	"	"	
Phenanthrene	"	26.4	—	17.9	"	"	"	"	"	
Pyrene	"	ND	—	17.9	"	"	"	"	"	
Surrogate(s): *Fluorene-d10*		*75.8%*			*24 - 125 %*	"			"	
Pyrene-d10		*92.8%*			*41 - 141 %*	"			"	
Benzo (a) pyrene-d12		*88.8%*			*38 - 143 %*	"			"	

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Delta Environmental Consultants - Tigard	Project Name:	Willbridge Terminal -Conoco Phillips	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922	Report Created:
Tigard, OR 97223	Project Manager:	Jacob Neal	02/28/07 10:33

Percent Dry Weight (Solids) per Standard Methods

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQB0636-01 (U-18-10)		**Soil**			**Sampled: 02/16/07 12:50**					
% Solids	NCA SOP	81.6	---	0.00	% by Weight	1x	7020687	02/19/07 11:47	02/19/07 11:47	
PQB0636-02 (U-18-15)		**Soil**			**Sampled: 02/16/07 12:58**					
% Solids	NCA SOP	77.0	---	0.00	% by Weight	1x	7020687	02/19/07 11:47	02/19/07 11:47	
PQB0636-03 (U-18-20)		**Soil**			**Sampled: 02/16/07 13:10**					
% Solids	NCA SOP	72.3	---	0.00	% by Weight	1x	7020687	02/19/07 11:47	02/19/07 11:47	
PQB0636-04 (U-19-5)		**Soil**			**Sampled: 02/16/07 15:40**					
% Solids	NCA SOP	91.6	---	0.00	% by Weight	1x	7020687	02/19/07 11:47	02/19/07 11:47	
PQB0636-05 (U-19-10)		**Soil**			**Sampled: 02/16/07 15:45**					
% Solids	NCA SOP	90.5	---	0.00	% by Weight	1x	7020687	02/19/07 11:47	02/19/07 11:47	
PQB0636-06 (U-19-15)		**Soil**			**Sampled: 02/16/07 15:50**					
% Solids	NCA SOP	70.8	---	0.00	% by Weight	1x	7020687	02/19/07 11:47	02/19/07 11:47	
PQB0636-07 (U-19-18)		**Soil**			**Sampled: 02/16/07 15:55**					
% Solids	NCA SOP	73.7	---	0.00	% by Weight	1x	7020687	02/19/07 11:47	02/19/07 11:47	

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Delta Environmental Consultants - Tigard	Project Name:	**Willbridge Terminal -Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922	Report Created:
Tigard, OR 97223	Project Manager:	Jacob Neal	02/28/07 10:33

Gasoline Hydrocarbons per NW TPH-Gx Method - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 7020700 **Soil Preparation Method: EPA 5035 Modified**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7020700-BLK1)								Extracted: 02/19/07 14:53						
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	---	3.88	mg/kg wet	1x	--	--	--	--	--	--	02/19/07 23:36	
Surrogate(s): α,α,α-TFT		*Recovery: 82.7%*		*Limits: 50-150%*		"						-	*02/19/07 23:36*	
LCS (7020700-BS1)								Extracted: 02/19/07 14:53						
Gasoline Range Hydrocarbons	NW TPH-Gx	20.7	---	3.78	mg/kg wet	1x	--	23.6	87.7%	(70-130)	--	--	02/19/07 23:09	
Surrogate(s): α,α,α-TFT		*Recovery: 86.0%*		*Limits: 50-150%*		"							*02/19/07 23:09*	
Duplicate (7020700-DUP1)				QC Source: PQB0636-02				Extracted: 02/19/07 14:53						
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	---	5.13	mg/kg dry	1x	ND	--	--	--	30.7%	(40)	02/20/07 01:26	
Surrogate(s): α,α,α-TFT		*Recovery: 72.3%*		*Limits: 50-150%*		"							*02/20/07 01:26*	
Duplicate (7020700-DUP2)				QC Source: PQB0645-01				Extracted: 02/19/07 14:53						
Gasoline Range Hydrocarbons	NW TPH-Gx	125	---	4.32	mg/kg dry	1x	128	--	--	--	2.37%	(40)	02/20/07 05:32	
Surrogate(s): α,α,α-TFT		*Recovery: 74.8%*		*Limits: 50-150%*		"							*02/20/07 05:32*	
Matrix Spike (7020700-MS1)				QC Source: PQB0636-03				Extracted: 02/19/07 14:53						
Gasoline Range Hydrocarbons	NW TPH-Gx	30.3	---	5.40	mg/kg dry	1x	0.773	33.7	87.6%	(65-130)	--	-	02/20/07 02:20	
Surrogate(s): α,α,α-TFT		*Recovery: 77.2%*		*Limits: 50-150%*		"							*02/20/07 02:20*	

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Delta Environmental Consultants - Tigard	Project Name:	**Willbridge Terminal -Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922	Report Created:
Tigard, OR 97223	Project Manager:	Jacob Neal	02/28/07 10:33

Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method with Acid/Silica Gel Cleanup - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 7020701 **Soil Preparation Method: EPA 3550 Fuels**

Analyte	Method	Result	MDL *	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7020701-BLK1)								Extracted: 02/19/07 17:00						
Diesel Range Organics	NWTPH-Dx	ND	—	12.5	mg/kg wet	1x	—	—	—	—	—	—	02/20/07 18:12	
Heavy Oil Range Hydrocarbons	"	ND	—	25.0	"	"	—	—	—	—	—	—	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery:*	*107%*		*Limits: 50-150%*	"							*02/20/07 18:12*	
LCS (7020701-BS1)								Extracted: 02/19/07 17:00						
Diesel Range Organics	NWTPH-Dx	129	—	12.5	mg/kg wet	1x	—	128	101%	(50-150)	—	—	02/20/07 17:41	
Heavy Oil Range Hydrocarbons	"	79.1	—	25.0	"	"	—	76.0	104%	"	—	—	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery:*	*117%*		*Limits: 50-150%*	"							*02/20/07 17:41*	
Duplicate (7020701-DUP1)					QC Source: PQB0636-01			Extracted: 02/19/07 17:00						
Diesel Range Organics	NWTPH-Dx	21900	—	155	mg/kg dry	10x	23600	—	—	—	7.47%	(50)	02/20/07 17:12	
Heavy Oil Range Hydrocarbons	"	1340	—	309	"	"	1480	—	—	—	9.93%	"	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery:*	*370%*		*Limits: 50-150%*	"							*02/20/07 17:12*	Z9

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Delta Environmental Consultants - Tigard	Project Name:	**Willbridge Terminal -Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922	Report Created:
Tigard, OR 97223	Project Manager:	Jacob Neal	02/28/07 10:33

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 7020663 **Soil Preparation Method: EPA 5035 Modified**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7020663-BLK1)								Extracted: 02/19/07 08:10						
1,2-Dibromoethane	EPA 8260B	ND	---	24.9	ug/kg wet	1x	--	--	--	--	--	--	02/19/07 11:14	
1,2-Dichloroethane	"	ND	--	24.9	"	"	--	--	--	--	--	--	"	
Benzene	"	ND	---	9.94	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	--	24.9	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	--	24.9	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	--	49.7	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	--	19.9	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	--	99.4	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	--	49.7	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	--	24.9	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	--	99.4	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	--	24.9	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 103%*			*Limits: 75-125%*	*0.02x*							*02/19/07 11:14*	
1,2-DCA-d4		*94.0%*			*75-125%*	"							"	
Dibromofluoromethane		*93.5%*			*75-125%*	"							"	
Toluene-d8		*100%*			*75-125%*	"							"	
LCS (7020663-BS1)								Extracted: 02/19/07 08:10						
Benzene	EPA 8260B	1000	--	9.94	ug/kg wet	1x	--	994	101%	(81.8-125)	--	--	02/19/07 09:24	
Toluene	"	960	--	24.9	"	"	--	"	96.6%	(80-125)	--	--	"	
Ethylbenzene	"	1070	--	24.9	"	"	--	"	108%	(80-120)	--	--	"	
Xylenes (total)	"	3230	--	49.7	"	"	--	2980	108%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	1090	--	19.9	"	"	--	994	110%	(80-128)	--	--	"	
Naphthalene	"	1200	--	99.4	"	"	--	"	121%	(76.1-153)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 98.5%*			*Limits: 75-125%*	*0.02x*							*02/19/07 09:24*	
1,2-DCA-d4		*97.0%*			*75-125%*	"							"	
Dibromofluoromethane		*100%*			*75-125%*	"							"	
Toluene-d8		*100%*			*75-125%*	"							"	
Matrix Spike (7020663-MS1)					QC Source: PQB0516-01			Extracted: 02/15/07 15:56						
Benzene	EPA 8260B	202000	--	1940	ug/kg wet	20x	ND	194000	104%	(68.5-125)	--	--	02/19/07 09:52	
Toluene	"	193000	--	4850	"	"	ND	"	99.5%	(70.3-125)	--	--	"	
Ethylbenzene	"	219000	--	4850	"	"	97.1	"	113%	(80-124)	--	--	"	
Xylenes (total)	"	649000	--	9710	"	"	155	583000	111%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	217000	--	3880	"	"	ND	194000	112%	(80-130)	--	--	"	
Naphthalene	"	248000	--	19400	"	"	796	"	127%	(69-163)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 102%*			*Limits: 75-125%*	*0.02x*							*02/19/07 09:52*	
1,2-DCA-d4		*96.9%*			*75-125%*	"							"	
Dibromofluoromethane		*101%*			*75-125%*	"							"	
Toluene-d8		*101%*			*75-125%*	"							"	

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Delta Environmental Consultants - Tigard	Project Name:	Willbridge Terminal -Conoco Phillips	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922	Report Created:
Tigard, OR 97223	Project Manager:	Jacob Neal	02/28/07 10:33

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 7020663 Soil Preparation Method: EPA 5035 Modified

Analyte	Method	Result	MDL *	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (7020663-MSD1)				QC Source: PQB0516-01				Extracted: 02/15/07 15:56						
Benzene	EPA 8260B	200000	--	1940	ug/kg wet	20x	ND	194000	103%	(68.5-125)	0.995%	(25)	02/19/07 10:19	
Toluene	"	192000	--	4850	"	"	ND	"	99.0%	(70.3-125)	0.519%	"	"	
Ethylbenzene	"	219000	--	4850	"	"	97.1	"	113%	(80-124)	0.00%	"	"	
Xylenes (total)	"	653000	--	9710	"	"	155	583000	112%	(70-130)	0.614%	"	"	
Methyl tert-butyl ether	"	215000	--	3880	"	"	ND	194000	111%	(80-130)	0.926%	"	"	
Naphthalene	"	237000	--	19400	"	"	796	"	122%	(69-163)	4.54%	"	"	

Surrogate(s):	*4-BFB*	*Recovery:*	*101%*	*Limits:*	*75-125%*	*0.02x*	*02/19/07 10:19*
	1,2-DCA-d4		*96.9%*		*75-125%*	"	"
	Dibromofluoromethane		*101%*		*75-125%*	"	"
	Toluene-d8		*101%*		*75-125%*	"	"

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.

Sarah Rockwell

Sarah Rockwell, Project Manager

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TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906 9200 fax: (503) 906 9210

Delta Environmental Consultants - Tigard	Project Name:	**Willbridge Terminal -Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922	Report Created:
Tigard, OR 97223	Project Manager:	Jacob Neal	02/28/07 10:33

Polynuclear Aromatic Compounds per EPA 8270M-SIM - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 7020727 **Soil Preparation Method: EPA 3550**

Analyte	Method	Result	MDL *	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7020727-BLK1)								Extracted: 02/20/07 13:50						
Acenaphthene	EPA 8270m	ND	---	13.3	ug/kg wet	1x	–	–	–	–	–	–	02/22/07 18:52	
Acenaphthylene	"	ND	---	13.3	"	"	–	–	–	–	–	–	"	
Anthracene	"	ND	---	13.3	"	"	–	–	–	–	–	–	"	
Benzo (a) anthracene	"	ND	---	13.3	"	"	–	–	–	–	–	–	"	
Benzo (a) pyrene	"	ND	---	13.3	"	"	–	–	–	–	–	–	"	
Benzo (b) fluoranthene	"	ND	---	13.3	"	"	–	–	–	–	–	–	"	
Benzo (ghi) perylene	"	ND	---	13.3	"	"	–	–	–	–	–	–	"	
Benzo (k) fluoranthene	"	ND	---	13.3	"	"	–	–	–	–	–	–	"	
Chrysene	"	ND	---	13.3	"	"	–	–	–	–	–	–	"	
Dibenzo (a,h) anthracene	"	ND	---	13.3	"	"	–	–	–	–	–	–	"	
Fluoranthene	"	ND	---	13.3	"	"	–	–	–	–	–	–	"	
Fluorene	"	ND	---	13.3	"	"	–	–	–	–	–	–	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	13.3	"	"	–	–	–	–	–	–	"	
Naphthalene	"	ND	---	13.3	"	"	–	–	–	–	–	–	"	
Phenanthrene	"	ND	---	13.3	"	"	–	–	–	–	–	–	"	
Pyrene	"	ND	---	13.3	"	"	–	–	–	–	–	–	"	
Surrogate(s): Fluorene-d10		*Recovery: 62.2%*			*Limits: 24-125%*	"							*02/22/07 18:52*	
Pyrene-d10		*109%*			*41-141%*	"							"	
Benzo (a) pyrene-d12		*114%*			*38-143%*	"							"	
LCS (7020727-BS1)								Extracted: 02/20/07 13:50						
Acenaphthene	EPA 8270m	155	---	13.3	ug/kg wet	1x	–	166	93.4%	(33-139)	–	–	02/22/07 19:27	
Benzo (a) pyrene	"	181	---	13.3	"	"	–	"	109%	(45-149)	–	–	"	
Pyrene	"	171	---	13.3	"	"	–	"	103%	(39-138)	–	–	"	
Surrogate(s): Fluorene-d10		*Recovery: 65.9%*			*Limits: 24-125%*	"							*02/22/07 19:27*	
Pyrene-d10		*115%*			*41-141%*	"							"	
Benzo (a) pyrene-d12		*120%*			*38-143%*	"							"	
Matrix Spike (7020727-MS1)				QC Source: PQB0269-01				Extracted: 02/20/07 13:50						RL3
Acenaphthene	EPA 8270m	354	---	519	ug/kg dry	5x	ND	258	137%	(33-139)	–	–	02/24/07 04:44	
Benzo (a) pyrene	"	549	---	519	"	"	258	"	113%	(45-149)	–	–	"	
Pyrene	"	1610	---	519	"	"	1220	"	151%	(39-138)	–	–	"	M1
Surrogate(s): Fluorene-d10		*Recovery: 110%*			*Limits: 24-125%*	"							*02/24/07 04:44*	
Pyrene-d10		*122%*			*41-141%*	"							"	
Benzo (a) pyrene-d12		*122%*			*38-143%*	"							"	

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Sarah Rockwell, Project Manager

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ph: (503) 906 9200 fax: (503) 906 9210

Delta Environmental Consultants - Tigard	Project Name:	**Willbridge Terminal -Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922	Report Created:
Tigard, OR 97223	Project Manager:	Jacob Neal	02/28/07 10:33

Polynuclear Aromatic Compounds per EPA 8270M-SIM - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 7020727 **Soil Preparation Method:** EPA 3550

Analyte	Method	Result	MDL *	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (7020727-MSD1)				QC Source: PQB0269-01				Extracted: 02/20/07 13:50						RL3
Acenaphthene	EPA 8270m	320	—	515	ug/kg dry	5x	ND	256	125%	(33-139)	10.1%	(60)	02/24/07 05:12	
Benzo (a) pyrene	"	647	—	515	"	"	258	"	152%	(45-149)	16.4%	"	"	M1
Pyrene	"	1380	—	515	"	"	1220	"	62.5%	(39-138)	15.4%	"	"	

Surrogate(s):	*Fluorene-d10*	*Recovery:*	*113%*	*Limits:*	*24-125%*	"
	Pyrene-d10		*122%*		*41-141%*	"
	Benzo (a) pyrene-d12		*120%*		*38-143%*	"

02/24/07 05:12

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Delta Environmental Consultants - Tigard	Project Name:	Willbridge Terminal - Conoco Phillips	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922	Report Created:
Tigard, OR 97223	Project Manager:	Jacob Neal	02/28/07 10:33

Percent Dry Weight (Solids) per Standard Methods - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 7020687 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL *	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (7020687-DUP1)				QC Source: PQB0636-01				Extracted: 02/19/07 11:47						
% Solids	NCA SOP	79.4	--	0.00	% by Weight	1x	81.6	--	--	--	2.73%	(20)	02/19/07 11:47	

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Delta Environmental Consultants - Tigard	Project Name:	**Willbridge Terminal -Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922	Report Created:
Tigard, OR 97223	Project Manager:	Jacob Neal	02/28/07 10:33

Notes and Definitions

Report Specific Notes:

M1	-	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
Q6	-	Results in the diesel organics range are primarily due to overlap from a heavy oil range product.
Q9	-	Hydrocarbon pattern most closely resembles weathered bunker or similar fuel oil product.
RL1	-	Reporting limit raised due to sample matrix effects.
RL3	-	Reporting limit raised due to high concentrations of non-target analytes
Z3	-	The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information
Z9	-	Unable to calculate surrogate recovery due to matrix interference

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries)
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.

Sarah Rockwell, Project Manager

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ConocoPhillips

FAX TRANSMISSION

To: Brian Pletcher	From: Jim Trotter ConocoPhillips Company 1230 W. Washington St. #212 Tempe, AZ 85281
Company: Delta	Date: 04/27/2007
Fax #: (503) 639-7619	Return FAX #: (602) 452-2509

You should receive 43 page(s) including this one. If you do not receive all pages, please call me at (602) 452-2507.

This message is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately by telephone at the above phone number. Thank You.

RE: Soil profiles

Brian,

Waste profile and determination forms. – Pages 3 + 4.

Thanks,
JFT

Store #: 0922
Report Type Code: WST
Description: Waste determination forms
Date: 4/27/07

F. RCRA SUBPART CC/ NESHAP SUBPART FF DETERMINATION

(Do not complete 1 & 2 of Section F if the waste is non-hazardous)

Answer the following questions Indicate if either process knowledge or analytical testing was used to determine each response and attach supporting documentation	Response		Documented	
	Yes	No	Process	Analysis
1. Does the waste contain < 500 ppmw Volatile Organics (VO) at the point of generation?	☒	☐	☐	☒
2 Does the waste contain < 20 % hydrocarbons by weight when it is/will be placed in a tank or container?	☒	☐	☐	☒
3 Does the waste contain > 10 ppmw benzene?	☐	☒	☐	☒

G. DOT SHIPPING INFORMATION/REACTIVITY AND WASTE COMPATIBILITY

1 Is the Material a USDOT Hazardous Material per 49 CFR 172.101 (If No, Skip to 4) ☐ Yes ☒ No

2. Reportable Quantity (lbs or kgs): _____ 3. Hazard Class/ID: _____

4. USDOT _____
Shipping Name: _____

Prepared by. Jacob Neal Company: Delta Consultants

Approval (Site Mgr) James F. Fitter

Title: Site Manager

Date: 4/27/07

RM&R Site Mgr
Reviewed By:
Reviewed Date:

PROCESS KNOWLEDGE DOCUMENTATION

Process Knowledge must be fully documented and maintained with the Waste Determination Form. This Knowledge supports the waste classification and why analyses or limited analyses were performed on the waste

Process Knowledge Checklist (All methods used in the determination)	
☐	*Material Safety Data Sheet(s):NA*
☐	*Manufacturer's Literature: NA*
☐	*Identify chemicals/materials involved in the waste generation process (including any potential breakdown products : NA*
☒	*Describe the waste generation process : Excavation of impacted soil*
☒	*Identify potential contaminants: Petroleum Hydrocarbons*
☐	*Other documentation generated in conjunction with the waste generation process: NA*
☒	*Preliminary analytical results: See Attached*
☐	*Other Relevant Information:*

Prepared by Jacob Neal Company: Delta Consultants

Approval (Site Mgr) James E. Tetter

Title Site Manager

Date. 4/27/07

RM&R Site Mgr
Reviewed By:
Reviewed Date:

Generator's Nonhazardous Waste Profile Sheet

Requested Disposal Facility _____ Profile Number

☐ Renewal for Profile Number _____ Waste Approval Expiration Date _____

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: Conoco Phillips
2. Site Address: 5528 NW Doane Ave.
3. City/ZIP: Portland, OR 97210
4. State: OR
5. County: Multnomah
6. Contact Name/Title: Jim Trotter
7. Email Address: Jim.F.Trotter@conocophillips.com
8. Phone: 602 452-2507
9. FAX: —
10. NAICS Code:
11. Generator USEPA ID #: Non-Haz N/A
12. State ID# (if applicable):

B. Customer Information ☐ **same as above** P. O. Number: P07091.01

1. Customer Name: Stratus Corporation
2. Billing Address: 39515 SW Hartlery Rd
3. City, State and ZIP: Gaston, OR 79119
4. Contact Name: Scott Flaherty
5. Contact Email: s.flaherty@stratuscorp.net
6. Phone: 5039857912 FAX: 503 985 1953
7. Transporter Name: Stratus Corporation
8. Transporter ID # (if appl.): N/A
9. Transporter Address: 39515 SW Hartley Rd
10. City, State and ZIP: Gaston, OR 79119

C. Waste Stream Information

1. DESCRIPTION
   a. Common Waste Name: Soil State Waste Code(s): None
   b. Describe Process Generating Waste or Source of Contamination:

   Excavation of petroleum contaminated soil

   c. Typical Color(s): Brown
   d. Strong Odor? ☐ Yes ☑ No Describe:
   e. Physical State at 70°F: ☑ Solid ☐ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other:
   f. Layers? ☑ Single layer ☐ Multi- layer ☐ NA
   g. Water Reactive? ☐ Yes ☑ No If Yes, Describe:
   h. Free Liquid Range (%): _____ to _____ ☑ NA(solid)
   i. pH Range: ☐ ≤2 ☑ 2.1-12.4 ☐ ≥12.5 ☐ NA(solid) ☐ Actual:
   j. Liquid Flash Point: ☐ < 140°F ☐ ≥ 140°F ☑ NA(solid) ☐ Actual:
   k. Flammable Solid: ☐ Yes ☑ No
   l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☐ (See Attached)

Constituents *(Total Composition Must be ≥ 100%)*	Concentration %	Constituents *(Total Composition Must be ≥ 100%)*	Concentration %
1. Soil	99-100 %	4.	
2. Petroleum product	0-1%	5.	
3.		6.	

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION
   a. ☑ Event ☐ Base/Ongoing (Check One)
   b. Estimated Annual Quantity: 500 ☑ Tons ☐ Cubic Yards ☐ Drums ☐ Gallons ☐ Other (specify):
   c. Shipping Frequency: 275 Units per ☑ Month ☐ Quarter ☐ Year ☐ One Time ☐ Other
   d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☐ No
   e. USDOT Shipping Description (if applicable): Non-hazardous
3. SAFETY REQUIREMENTS (Handling, PPE, etc.): Level-D

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Generator's Nonhazardous Waste Profile Sheet

D. Regulatory Status (Please check appropriate responses)

1. Is this a USEPA (40 CFR Part 261)/State hazardous waste? If yes, contact your sales representative. ☐ Yes ☑ No
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☑ No
   - ☐ Delisted Hazardous Waste
   - ☐ Excluded Wastes Under 40 CFR 261.4
   - ☐ Treated Hazardous Waste Debris
   - ☐ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions ☐ Yes ☑ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☑ No
   a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☐ No
   b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☐ No
5. Does the waste represented by this waste profile sheet contain concentrations of regulated Polychlorinated Biphenyls (PCBs)? ☐ Yes ☑ No
   a. If yes, is disposal regulated under TSCA? ☐ Yes ☐ No
6. Does the waste contain untreated, regulated, medical or infectious waste? ☐ Yes ☑ No
7. Does the waste contain asbestos? ☐ Yes ☑ No If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☑ No
   If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☑ No

E. Generator Certification (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the Contractor if applicable).
5. Check all that apply:
   - ☐ Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: _____ # Pages: _____
   - ☐ Only the analyses identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
   - ☐ Additional information necessary to characterize the profiled waste has been attached (other than analytical). Indicate the number of attached pages: _____
   - ☐ I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.
   - ☑ By Generator process knowledge, the following waste is not a listed waste and is below all TCLP regulatory limits.

Certification Signature: James F. Trotter **Title:** Site Manager

Company Name: ConocoPhillips Company **Name (Print):** James F. Trotter

Date: 4/27/07

FOR WM USE ONLY

Management Method: ☐ Landfill ☐ Bioremediation **Approval Decision:** ☐ Approved ☐ Not Approved

☐ Non-hazardous solidification ☐ Other: _____ Waste Approval Expiration Date: _____

Management Facility Precautions, Special Handling Procedures or Limitation on approval:

- ☐ Shall not contain free liquid
- ☐ Shipment must be scheduled into disposal facility
- ☐ Approval Number must accompany each shipment
- ☐ Waste Manifest must accompany load

WM Authorization Name / Title: _____ **Date:** _____

State Authorization (if Required): _____ **Date:** _____

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Section 6.2.4.3 - Waste Determination Form
Issue Date: 11-1-2003
Revision Date: 04-29-2005
Owner: Steve Heidorn

☐ *If a Waste Determination Form (WDF) was completed on this material within the last 3 years and there have been no changes in material components or the process generating the material you do not need to complete a new form Complete Section A and file the top copy of this document in the project files for the active period of the project plus 5 years Authorized (Approval) signature required in Section A*

☐ *If a Waste Determination Form (WDF) has not been completed in the last 3 years for the material or if the material components or the material generation process has changed since this material was last generated complete all of the Waste Determination Form Maintain a copy in the project files for the active period of the project plus 5 years*

A. MATERIAL GENERATOR INFORMATION

1 Site Name: Conoco Phillips Willbridge Terminal 2 SIC Code: _____
3 Street Address: 5528 NW Doane Ave. 4 Phone #: 503 248 1517
5. City: Portland 6. State: OR 7 Zip Code: 97210
8. EPA ID #: NA 9 County: Multnomah 10 State ID #: NA
Other State ID #: NA
11. RM&R Project I.D. #: 0922
12 Project Contact Name & Phone Number: Ext. Brian Pletcher 503 639 8098 Ext. 105
13. Date Form Completed: 4/26/2007
14. Material Generation Start Date (Date Waste Container(s) are to be Filled): 4/27/2007

B. MATERIAL INFORMATION

1 Material Name: Soil
2. Material Generation Process: Excavation in Tank Farm 1

☐ *Petroleum contaminated media and debris that fail the test for TCLP but are managed under a Federal/State UST Corrective Action program are solid wastes that are expressly excluded from the definition of a hazardous waste (40 CFR 261 4(b)(10)) Project file has the necessary analytical data.*

☐ *Petroleum contaminated media and debris generated by drilling fluids produced waters and other wastes associated with the exploration development or production of crude oil natural gas or geothermal energy are solid wastes that are expressly excluded from the definition of a hazardous waste (40 CFR 261 4(b)(5) Project file has the necessary analytical data*

The above wastes, though exempt from being a hazardous waste, must still be managed according to RMR Dept. non-hazardous procedures.

Section A and B approval signature required below

Approval (Site Mgr) [signature] *Title* Site Manager *Date* 4/27/07

****Note that the remainder of form does not need to be completed if this is a UST or Upstream project managing exempt waste.***

C. MATERIAL PROFILE

1 Material Type, Specify: Soil
2 Material Generation Frequency: ☒ One Time Only ☐ Periodic/Routine
3. Material Safety Data Sheets (MSDSs are good sources of information If an MSDS is not available electronically, contact the material vendor/manufacture and request an MSDS).
(Mark One Only)
☐ Electronic MSDS/MSDS Number: _____
☐ Hard Copy (A copy of the MSDS should be submitted along with this completed form).
☐ No MSDS available
4. Physical State: (☐ Mark One Only)
☒ Solid ☐ Sludge (20% Solids) ☐ Slurry (> 5% < 20% Solids)
☐ Mixture ☐ Liquid (5% Solids) ☐ Compressed Gas
5. Characteristics: % Solids 100 Specific Gravity _____ Flashpoint _____ °F / °C (Circle) pH _____

RM&R Site Mgr
Reviewed By:
Reviewed Date:

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Hillsboro Landfill, Inc.

3205 SE MINTER BRIDGE ROAD HILLSBORO, OR 97123

PERMIT # 100245OR

Tracking Number 10770

PERMIT TO DISPOSE OF NON-HAZARDOUS MATERIALS

This permit authorizes disposal of Customer's waste materials in accordance with the Industrial Waste & Disposal Services Agreement dated *2/04*.

EXPIRES: *7/27/07*

GENERATOR: CONOCO PHILLIPS

DESCRIPTION: *PCS*	**TONS:** *700*
☐ SPECIAL WASTE ☒ CS ☐ C&D ☐ CLEAN-UP	
LOCATION: *PORTLAND, OREGON* *5528 NW DOANE AVENUE*	**COUNTY:** *Multnomah*
CONTACT: *SCOTT FLAHERTY*	**PHONE:** *503-985-7912*
	FAX: *503-985-1953*

BILLING: *Landfill account STRATUS CORPORATION*	**PO#:** *P07091.01*	**JOB#:** *N/A*

We accept business checks, cash, VISA / Mastercard or charge(with prior approval)

SPECIAL HANDLING : *NONE:*

MK TyT

APPROVED: KC *KRISTIN CASTNER* DATE: *04/27/07 8:53:58 AM*

A COPY OF THIS PERMIT MUST BE SHOWN BY EACH DRIVER

THERE IS A MINIMUM CHARGE OF $50-$60 FOR EACH LOAD OF SPECIAL WASTE

WASTE MANAGEMENT

HAZARDOUS WASTE IS STRICTLY PROHIBITED

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Original
Ticket# 1057250

Customer Name STRATUSCORP STRATUS CORPORATI
Ticket Date 04/27/2007
Payment Type Credit Account
Manual Tickets
Hauling Tickets
Route
State Waste Code
Manifest no
Destination
PO PO# PO7091.01
Profile 10224508 (PCS)
Generator 1GB-CONOCO97610 Conoco Phillips-Portland

Carrier CUTTER TRUCKING
Vehicle# 60
Container
Driver ed
Checks
Billing # 0000371
Gen EPA ID

Grid

Volume

	Time	Scale	Operator	Inbound			
In	04/27/2007 11:54:10	Inbound 1	LR		Gross	55540	lb
Out	04/27/2007 12:03:14	Outbound	edm		Tare	26120	lb
					Net	29420	lb
					Tons	14.71	

Comments

Customer Comments? We want to know. Please call.

	Product	LOX	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RSC-	100	14.71	Tons				MULT-IN
2	EVL-Ent Fee Lg.	100	1	Load				MULT-IN
3	API-Approval Fee S	100	1	Each				MULT-IN

Total Tax
Total Ticket

Driver's Signature

403WM

COP001600

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503) 640-9427

Original
Ticket# 1061356

Customer Name STRATUSCORP STRATUS CORPORATI
Ticket Date 05/14/2007
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest
Destination
PO PO# PO7051.01
Profile 100245GR (PCS)
Generator 168-CONOCO37210 Conoco Phillips-Portland

Carrier SELFHLD SELF HAULED
Vehicle# jr
Volume
Container
Driver jos
Check#
Billing # 0000371
Sen CPA ID
Grid

	Time	Scale	Operator	Inbound			
In	05/14/2007 15:32:26	MAN WEIGHT	jlr		Gross	93320	lb
Out	05/14/2007 15:32:26	MAN WEIGHT	jlr		Tare	37720	lb
					Net	51600	lb
					Tons		30.80

Comments: Hdl by jls smith trk

Customer Comments? We want to know. Please call.

Product		LOB	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-BOC	100	30.80	Tons				MULT-IN
2	SOL Eng Fee Lg.	100	1	Load				MULT-IN

Total Tax
Total Ticket

403WM

COP0016009

Driver's Signature

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503) 640-9427

Original
Ticket# 1061350

Customer Name STRATUSCORP STRATUS CORPORATI
Ticket Date 05/14/2007
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest na
Destination
PO PO# D07031.01
Profile 1002400R (SOB)
Generator 158-CONOCO97210 Conoco Phillips Portland

Carrier SELFHLD SELF HAULED
Vehicle# jr
Container
Driver scott
Check#
Billing # 0000371
Gen EPA ID
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/14/2007 16:02:20	MAN WEIGHT	jlr	Gross	75820	lb
Out	05/14/2007 16:22:20	MAN WEIGHT	jlr	Tare	36640	lb
				Net	40180	lb
				Tons	20.09	

Comments: Hld by jim smith trk

Customer Comments? We want to know. Please call.

Product		LOX	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet RSC	100	20.09	Tons				MULT-IN
2	EVL Env Fee Lg	100	1	Load				MULT-IN

Total Tax
Total Ticket

403WM

COP001601

WASTE MANAGEMENT

Hillsboro Landfill, Inc

3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503) 640-9427

Ticket# 1061300

Customer Name STRATUSCORP STRATUS CORPORATI
Ticket Date 05/14/2007
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest na
Destination
PO PO# PO7091.01
Profile 100245OP (PCS)
Generator 160 CON00097210 Conoco Phillips-Portland

Carrier CELORIEBROTH CELORIE BROTHERS TRUCKI
Vehicle# 4738 Volume
Container
Driver brock
Check#
Billing # 0000371
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound			
In	05/14/2007 14:41:06	MAN WEIGHT	tmc		Gross	103500	lb
Out	05/14/2007 14:41:06	MAN WEIGHT	tmc		Tare	38000	lb
					Net	65000	lb
					Tons		32.54

Comments

Consumer Comments? We want to know. Please call.

Product		LOX	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	32.54	Tons				MULT-IN
2	EVL-Env Fee Lg.	100	1	Load				MULT-IN

Total Tax
Total Ticket

Driver's Signature

403WM

COP001601

WASTE MANAGEMENT

Hillsboro Landfill, Inc.

3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503) 640-9427

Tickets 1061878

Customer Name STRATUSCORP STRATUS CORPORATI
Ticket Date 05/14/2007
Payment Type Credit Account
Manual Ticket#
Hauling Tickets
Route
State Waste Code
Manifest na
Destination
PO PO# PO7091.01
Profile 100245UR (PCS)
Generator 168-CONOCO97R10 Conoco Phillips-Portland

Carrier PACIFIC TRANSPORT DUMP TRK & TRAILER
Vehicle# 5 Volume
Container
Driver Ian
Check#
Billing # 0000371
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound			
In	05/14/2007 14:08:42	[illegible]	Inc		Gross	104240	lb
Out	05/14/2007 14:08:42	[illegible]	Inc		Tare	37200	lb
					Net	67040	lb
					Tons	33.52	

Comments

Consumer Comments? We want to know. Please call.

	Product	LOW	Qty	UOM	Rate	Tax	Amount	Origin
1	Conv Soil Pat-RSC-	100	33.52	Tons				MULT-IN
2	EVL Env Fee Lg.	100	1	Load				MULT-IN

Total Tax
Total Ticket

Driver's Signature

4C3WM

COP0016012

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Original
Ticket# 1061267

Customer Name STRATUSCORP STRATUS CORPORATI
Ticket Date 05/14/2007
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest na
Destination
PO P07102.01
Profile 10027EOR (PCS)
Generator 160-CONOCO4889 Conoco Phillips 4889

Carrier SELFHLD SELF HAULED
Vehicle# jr
Container
Driver Barry
Check#
Billing # 0000371
Gen EPA ID
Grid

Volume

WRONG PERMIT USED
KRISTINE WILL
CORRECT

	Time	Scale	Operator	Inbound			
In	05/14/2007 13:58:31	MANUAL WT	jlr		Gross	97020	lb
Out	05/14/2007 14:13:54	Outbound	jlr		Tare	38520	lb
					Net	58500	lb
					Tons	29.45	

Comments

Consumer Comments? We want to know. Please call.

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-[illegible]	100	29.45	Tons				WASH-IN
2	EVL-Env Fee Lg	100	1	Load				WASH-IN
3	SFI-Approval Fee 6	100	1	Each				WASH-IN

Total Tax
Total Ticket

Driver's Signature

403WM

COP0016013

WASTE MANAGEMENT

Hillsboro Landfill, Inc

3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Ticket# 1061261

Customer Name STRATUSCORP STRATUS CORPORATI Carrier STRATUS CORPORATION
Ticket Date 05/14/2007 Vehicle# 57 Volume
Payment Type Credit Account Container
Manual Ticket# Driver Joe
Hauling Ticket# Check#
Route Billing # [illegible]
State Waste Code Gen EPA ID
Manifest no
Destination Grid
PO PO# PO7891.01
Profile 1002450R (PCE)
Generator 168-CONOCO97210 Conoco Phillips-Portland

	Time	Scale	Operator	Inbound			
In	05/14/2007 13:44:48	MGN WEIGHT	tag		Gross	100200	lb
Out	05/14/2007 13:44:48	MGN WEIGHT	tag		Tare	37720	lb
					Net	62480	lb
					Tons	31.24	

Comments

Consumer Comments? We want to know. Please call.

Product		LDS	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pot-REC	100	31.24	Tons				MULT-IN
2	EPL-Env Fee Lg.	100	1	Load				MULT-IN

Total Tax
Total Ticket

Driver's Signature

103WM

COP0016014

Driven's Signature

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503) 640-9427

Original
Ticket# 1061248

Customer Name STRATUSCORP STRATUS CORPORATI Carrier SELFHLD SELF HAULED
Ticket Date 05/14/2007 Vehicle# 000 Volume
Payment Type Credit Account Container
Manual Ticket# Driver Scott
Hauling Ticket# Check#
Route Billing # 0000271
State Waste Code Gen EPA ID
Manifest
Destination Bris
PO PO# PO7021.01
Profile 100[illegible]
Generator 168-CONOCO57210 Conoco Phillips-Portland

	Time	Scale	Operator	Inbound			
In	05/14/2007 13:27:55	000 [illegible]	BRL		Gross	100[illegible]	lb
Out	05/14/2007 13:27:55	000 [illegible]	BRL		Tare	36[illegible]	lb
					Net	63340	lb
					Tons	31.97	

Comments

Consumer Comments? We want to know. Please call.

Product		LOS	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Fee-RBC	100	31.97	Tons				[illegible]
2	EVL-Env Fee Lg	100	1	Load				[illegible]

Total Tax
Total Ticket

403WM

COP0016015

WASTE MANAGEMENT

Original

Hillsboro Landfill, Inc

3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Ticket# 1061191

Customer Name STRATUSCORP STRATUS CORPORATI
Ticket Date 05/14/2007
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest NA
Destination
PO PO# PO7091.01
Profile 100245DR (PCS)
Generator 160-CONOCO97210 Conoco Phillips-Portland

Carrier CELORIEBROTH CELORIE BROTHERS TRUCKI
Vehicle# 4736 Volume
Container
Driver brock
Check#
Billing # 0000371
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound			
In	05/14/2007 12:10:00	NEW WEIGHT	jlr		Gross	109040	lb
Out	05/14/2007 12:10:00	NEW WEIGHT	jlr		Tare	38900	lb
					Net	70140	lb
					Tons	35.07	

Comments

Consumer Comments? We want to know. Please call.

	Product	LT%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	35.07	Tons				MULT-IN
2	EVL-Env Fee Lg.	100	1	Load				MULT-IN

Total Tax
Total Ticket

403/VM

Driver's Signature

COP0016016

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503) 640-9487

Original
Ticket# 1051180

Customer Name STRATUSCORP STRATUS CORPORATI
Ticket Date 05/14/2007
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest
Destination
PO PO# 007231.01
Profile 10024508 (PCS)
Generator IAA CONOCO97210 Conoco Phillips Portland

Carrier SELFHLD SELF HAULED
Vehicle# 110
Container
Driver IAN
Check#
Billing # 0000371
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound			
In	05/14/2007 11:51:19	Inbound 1	BML		Gross	105060	lb
Out	05/14/2007 12:05:20	Outbound 1	BML		Tare	37180	lb
					Net	68880	lb
					Tons		34.44

Comments: hld by pacific transport

Customer Comments? We want to know. Please call.

Product		LOW	Qty	UOM	Rate	Tax	Account	Origin
1	Cont Soil Pet-RBC	100	34.44	Tons				MULT-IN
2	Evt-Env Fee Lg.	100	1	Load				MULT-IN

Total Tax
Total Ticket

Driver's Signature

400WM

COP001601

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Original
Ticket# 1061143

Customer Name STRATUSCORP STRATUS CORPORATI Carrier SELFHLD SELF HAULED
Ticket Date 05/14/2007 Vehicle# 57 Volume
Payment Type Credit Account Container
Manual Ticket# Driver JOE
Hauling Ticket# Check#
Route Billing # [illegible]
State Waste Code Gen EPA ID
Manifest NA
Destination Grid
PO PO# PO7091.01
Profile 10024SOR (PCS)
Generator 158 CONOC097210 Conoco Phillips-Portland

	Time	Scale	Operator	Inbound			
In	05/14/2007 10:56:12	Inbound 1	BAL		Gross	98020	lb
Out	05/14/2007 11:10:10	Outbound	bal		Tare	37720	lb
					Net	60300	lb
					Tons	30.15	

Comments HLD BY JIM SMITH TAK

Consumer Comments? We want to know. Please call.

Product		LD#	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Ret-ROC-	100	30.15	Tons				MULT-IN
2	EVL-Env Fee Lg.	100	1	Load				MULT-IN

Total Tax
Total Ticket

Driver's Signature [signature]

4083WM

COP0016018

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-648-9427

Original
Ticket# 1061131

Customer Name STRATUSCORP STRATUS CORPORATI
Ticket Date 05/14/2007
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest NA
Destination
PO PO# PO7091.01
Profile 100245DR (PCS)
Generator 168-CONOCO97210 Conoco Phillips-Portland

Carrier SELFHLD SELF HAULED
Vehicle# 102 Volume
Container
Driver SCOTT
Check#
Billing # 0000371
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound			
In	05/14/2007 10:41:52	Inbound 1	BHL		Gross	55240	lb
Out	05/14/2007 11:00:14	Outbound	bmi		Tare	35620	lb
					Net	57620	lb
					Tons		28.81

Comments

Consumer Comments: We want to know. Please call.

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-PSC-	100	28.81	Tons				MULT-IN
2	EVL-Env Fee Lg.	100	1	Load				MULT-IN

Total Tax
Total Ticket

Driver's Signature

408WM

COP0016019

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Original
Ticket# 1061106

Customer Name STRATUSCORP STRATUS CORPORATI
Ticket Date 05/14/2007
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest na
Destination
PO P07102.01
Profile 100273CR (PCH)
Generator 168-CONOCO4889 Conoco Phillips 4889

Carrier CELORIEBRUTH CELORIE BROTHERS TRUCKI
Vehicle# 90
Volume
Container
Driver Barry
Check#
Billing # 0000371
Gen EPA ID
Grid

WRONG PERMIT USED
KRISTINE WILL MAKE
CORRECTION

	Time	Scale	Operator	Inbound			
In	05/14/2007 10:11:38	MANUAL WT	tmc		Gross	81180	lb
Out	05/14/2007 10:28:46	Outbound	jlr		Tare	39240	lb
					Net	41940	lb
					Tons	20.97	

Comments

Consumer Comments? We want to know. Please call.

	Product	LOC	Qty	Unit	Rate	Tax	Amount	Origin
1	Cont Soil Res-RBC-	100	20.97	Tons				WASH-IN
2	BVL-Env Fee Lg.	100	1	Load				WASH-IN
3	AFI-Approval Fee S	100	1	Each				WASH-IN

Total Tax
Total Ticket

Driver's Signature

409WM

COP0016020

WASTE MANAGEMENT

Hillsboro Landfill, Inc

3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503) 640-9427

Ticket# 1061089

Customer Name STRATUSCORP STRATUS CORPORATI
Ticket Date 05/14/2007
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest no
Destination
PO PO# P07091.01
Profile 100245OR (PCS)
Generator 168-CONOCO97210 Conoco Phillips-Portland

Carrier GELDRIEBROTH GELDRIE BROTHERS TRUCKI
Vehicle# 4736 Volume
Container
Driver Brock
Check#
Billing # 0000371
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound			
In	05/14/2007 09:48:39	MAN WEIGHT	tmc		Gross	104280	lb
Out	05/14/2007 09:48:39	MAN WEIGHT	tmc		Tare	38900	lb
					Net	65380	lb
					Tons	32.69	

Comments

Customer Comments? We want to know. Please call.

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RDC	100	32.69	Tons				MULT-IN
2	EVL-Env Fee Ld.	100	1	Load				MULT-IN

Total Tax
Total Ticket

Driver's Signature

COP0016021

WASTE MANAGEMENT

Hillsboro Landfill, Inc

3265 SE Minter Bridge
Hillsboro, OR. 97123
Ph: (503)-640-9427

Ticket# 1057318

Customer Name STRATUSCORP STRATUS CORPORATI
Ticket Date 04/27/2007
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest N
Destination
PO PO# PB2091.01
Profile 100245DR (PCS)
Generator 168-CONOCOV7210 Conoco Phillips-Portland

Carrier CUTTER TRUCKNG
Vehicle# JR
Volume
Container
Driver ED
Check#
Billing # 0000371
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound			
In	04/27/2007 13:51:40	MAN WEIGHT	JLR		Gross	62360	lb
Out	04/27/2007 13:51:40	MAN WEIGHT	JLR		Tare	26360	lb
					Net	36280	lb
					Tons	18.14	

Comments

Consumer Comments? We want to know. Please call.

Product		LBS	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-REC-	100	18.14	Tons				MULT-IN
2	EVC-Env Fee Lg.	100	1	Load				MULT-IN
3	AFI-Approval Fee 8	100	1	Each				MULT-IN

Total Tax
Total Ticket

Driver's Signature

COP0016022

WASTE MANAGEMENT

Hillsboro Landfill, Inc

3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Ticket# 1057262

Customer Name STRATUSCOMP STRATUS CORPORATI
Ticket Date 04/27/2007
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest n/a
Destination
PO PO# 007091.01
Profile 100245OR (PCB)
Generator 16A-CONOCO97210 Conoco Phillips-Portland

Carrier CELORIEBROTH CELORIE BROTHERS TRUCKI
Vehicle# 4673 Volume
Container
Driver jeff
Check#
Billing # 0000371
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound			
In	04/27/2007 12:12:09	MAN WEIGHT	cc		Gross	104220	lb
Out	04/27/2007 12:12:09	MAN WEIGHT	cc		Tare	41960	lb
					Net	62320	lb
					Tons	31.16	

Comments

Consumer Comments? We want to know. Please call.

	Product	LOW	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pot-AGC-	100	31.16	Tons				MULT-IN
2	Evt-Env Fee Lg.	100	1	Load				MULT-IN
3	AFI Approval Fee S	100	1	Each				MULT-IN

Total Tax
Total Ticket

Driver's Signature

COP0016023

WASTE MANAGEMENT

Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Original
Ticket# 1061459

Customer Name STRATUSCORP STRATUS CORPORATI Carrier WEST COAST DUMP TRUCKS
Ticket Date 05/15/2007 Vehicle# West Volume
Payment Type Credit Account Container
Manual Ticket# Driver Carry
Hauling Ticket# Check#
Route Billing # 0000071
State Waste Code Gen EPA ID
Manifest No
Destination Grid
PO PO# P07091.01
Profile 100240OR (PCS)
Generator TAB-CONA-097210 Conoco Phillips-Portland

	Time	Scale#	Operator	Inbound			
In	05/15/2007 09:38:50	MANUAL WT	jlr		Gross	103620	lb
Out	05/15/2007 09:44:38	Outbound	jlr		Tare	39120	lb
					Net	64500	lb
					Tons	32.25	

Comments

Consumer Comments: We want to know. Please call.

Product	LOW	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Ave-SBC	100	32.25	Tons				MULT-IN
2 EVL Env Fee Lg	100	1	Load				MULT-IN

Total Tax
Total Ticket

Driver's Signature

403WM

COP0016024

Hillsboro Landfill, Inc.

3205 SE MINTER BRIDGE ROAD HILLSBORO, OR 97123

PERMIT # 100200WA

Tracking Number 10785

PERMIT TO DISPOSE OF NON-HAZARDOUS MATERIALS

This permit authorizes disposal of Customer's waste materials in accordance with the Industrial Waste & Disposal Services Agreement dated *4/03*

EXPIRES: 5/1/08

GENERATOR: SIEMENS WATER TECHNOLOGIES ES PNW 123

DESCRIPTION: *SPENT ACTIVATED CARBON*	TONS: *50*
☒ SPECIAL WASTE ☐ CS ☐ C&D ☐ CLEAN-UP	
LOCATION: *BRUSH PRAIRIE, WASHINGTON*	COUNTY: *Clark not in metro*
CONTACT: *WADE LONG*	PHONE: *360-699-7392*
	FAX: *360-695-0358*

BILLING: *Landfill account SIEMENS WATER TECHNOLOGIES (CLEAN ENVIRONMENTAL)*	PO#: *N/A*	JOB#: *N/A*

We accept business checks, cash, VISA / Mastercard or charge(with prior approval)

SPECIAL HANDLING : *NOTE: NO FREE LIQUIDS*

MK TyT

APPROVED: *KRISTIN CASTNER* DATE: *05/01/07 2:18:38 PM*

A COPY OF THIS PERMIT MUST BE SHOWN BY EACH DRIVER

THERE IS A MINIMUM CHARGE OF $50 $60 FOR EACH LOAD OF SPECIAL WASTE

WASTE MANAGEMENT

HAZARDOUS WASTE IS STRICTLY PROHIBITED

SIEMENS

2523 Mutahar Street - Box 3308 Parker, AZ 85344 *AZD 982 441 263*
11711 Reading Road Red Bluff, CA 96080 *CAR 000 058 784*

February 28, 2007

Consultant:

Brian Pletcher
Delta
Phone: (503) 639-8098
FAX: (503) 639-7619

Generator Mailing Address:

(360) 794-9523
Conoco Phillips
11921 185th Ave SE
Snohomish, WA 98290-

The following Spent Carbon Profile has been approved for acceptance at Siemens Water Technologies:

Generator:	Conoco Phillips	
EPA ID:	n/a	
Site Address:	Willbridge Terminal: 5528 NW Doane Ave Portland, OR 97210-	
Waste Codes:	None	No Waste Codes Per Generator
Carbon Type:	Aqueous	
PH Range:	4.1 to 10.5	
FL Range:	1 to 15	
Profile Number:	W70119AC	
Valid Through:	2/28/2009	

Lab ID 23429
SCPF No. 20-128

Please feel free to call the undersigned at (928) 669-5758 if you have any questions.

Sincerely,

Deborah Foster

Deborah Foster
Profiling Chemist

Siemens Water Technologies has all the necessary permits and licenses for the waste that has been characterized and identified by this profile

Section 6 2 4.3 - Waste Determination Form
Issue Date: 11-1-2003
Revision Date: 04-29-2005
Owner: Steve Heidorn

☐ *If a Waste Determination Form (WDF) was completed on this material within the last 3 years and there have been no changes in material components or the process generating the material you do not need to complete a new form Complete Section A and file the top copy of this document in the project files for the active period of the project plus 5 years Authorized (Approval) signature required in Section A*

☐ *If a Waste Determination Form (WDF) has not been completed in the last 3 years for the material or if the material components or the material generation process has changed since this material was last generated complete all of the Waste Determination Form Maintain a copy in the project files for the active period of the project plus 5 years*

A. MATERIAL GENERATOR INFORMATION

1. Site Name: ConocoPhillips Site No. 0922 – Willbridge Terminal
2. SIC Code: N/A
3. Street Address: 5528 NW Doane Avenue
4. Phone #: 503-248-1517
5. City: Portland
6. State: OR
7. Zip Code: 97210
8. EPA ID #: N/A
9. County: MULT
10. State ID #: N/A
Other State ID #:
11. RM&R Project I.D. #: 0922
12. Project Contact Name & Phone Number: Ext. Mike Noll
13. Date Form Completed: 6/20/07
14. Material Generation Start Date (Date Waste Container(s) are to be Filled): 1/10/07

B. MATERIAL INFORMATION

1. Material Name: Spent Granular Activated Carbon
2. Material Generation Process: Groundwater Treatment System/Oil Recovery System for MDO/Diesel releases. Treats oily groundwater for discharge to POTW.

☒ *Petroleum contaminated media and debris that fail the test for TCLP but are managed under a Federal/State UST Corrective Action program are solid wastes that are expressly excluded from the definition of a hazardous waste (40 CFR 261 4(b)(10)) Project file has the necessary analytical data.*

☐ *Petroleum contaminated media and debris generated by drilling fluids, produced waters, and other wastes associated with the exploration development or production of crude oil natural gas or geothermal energy are solid wastes that are expressly excluded from the definition of a hazardous waste (40 CFR 261 4(b)(5) Project file has the necessary analytical data.*

The above wastes, though exempt from being a hazardous waste, must still be managed according to RMR Dept. non-hazardous procedures.

Section A and B approval signature required below

Approval (Site Mgr) James T. Trittle *Title* Site Manager *Date* 6/22/07

****Note that the remainder of form does not need to be completed if this is a UST or Upstream project managing exempt waste.***

C. MATERIAL PROFILE

1. Material Type, Specify: Spent Carbon
2. Material Generation Frequency: ☐ One Time Only ☒ Periodic/Routine
3. Material Safety Data Sheets (MSDSs are good sources of information If an MSDS is not available electronically, contact the material vendor/manufacture and request an MSDS).
(Mark One Only)
   - ☒ Electronic MSDS/MSDS Number: Activated Carbon
   - ☐ Hard Copy (A copy of the MSDS should be submitted along with this completed form)
   - ☐ No MSDS available
4. Physical State: (☐ Mark One Only)
   - ☒ Solid ☐ Sludge (20% Solids) ☐ Slurry (> 5% < 20% Solids)
   - ☐ Mixture ☐ Liquid (5% Solids) ☐ Compressed Gas
5. Characteristics: % Solids 85-99 Specific Gravity _____ Flashpoint >140 ^{0}F pH 4.1 to 10.5
Circle Unit

RM&R Site Mgr
Reviewed By:
Reviewed Date:

COP0016027

6. Material description and major components (percent):
Spent Carbon – aqueous (95%)
Foreign Material – dirt, sand, sediments (5%)

7. List potential contaminants/materials contacted in process (i e , Lead, benzene/butane, gas oil, etc):
Petroleum hydrocarbons

8 Describe any operational processing of the material (i e., purged with nitrogen/steam, water washed, etc):
None

D. SOLID WASTE DETERMINATION

1 Is the material a solid waste? ☒ Yes ☐ No (if no, explain below as per 40 CFR 261.2(f))

E. HAZARDOUS WASTE DETERMINATION

Answer the following questions If the response to question 1, 2, 3, 4, or 5 is "Yes," the waste is hazardous. Indicate if either process knowledge or analytical testing was used to determine each response and attach supporting documentation	Response		Documented	
	Yes	No	Process	Analysis
1. Is the waste a listed hazardous waste, a mixture of, or derived from a listed waste?	☐	☒	☐	☒
2. Is the waste Ignitable?	☐	☒	☐	☒
3. Is the waste Corrosive?	☐	☒	☐	☒
4. Is the waste Reactive?	☐	☒	☐	☒
5. Is the waste Characteristically Toxic?	☐	☒	☐	☒
LDR Information:	☐	☐	☐	☐
6. Is the waste an LDR defined Wastewater (WW)? (Contains <1% TOC and <1% TSS).	☐	☒	☐	☐
7. Is the waste an LDR defined Non-Wastewater (NWW)? (Any waste that does not meet the WW definition).	☐	☒	☐	☐

8 Is the Waste a Hazardous Waste? ☐ YES ☒ NO (If the answer is "No" do not complete 1 & 2 of Section F)

9 If the Waste is Non-Hazardous, identify appropriate Non-Hazardous Waste category:

☒ Non-hazardous Industrial Waste (Special Waste)
☐ Innocuous Non-Hazardous Industrial Waste
☐ Trash

RM&R Site Mgr
Reviewed By:
Reviewed Date:

F. RCRA SUBPART CC/ NESHAP SUBPART FF DETERMINATION

(Do not complete 1 & 2 of Section F if the waste is non-hazardous)

Answer the following questions Indicate if either process knowledge or analytical testing was used to determine each response and attach supporting documentation	Response		Documented	
	Yes	No	Process	Analysis
1. Does the waste contain < 500 ppmw Volatile Organics (VO) at the point of generation?	☐	☐	☐	☐
2. Does the waste contain < 20 % hydrocarbons by weight when it is/will be placed in a tank or container?	☐	☐	☐	☐
3. Does the waste contain > 10 ppmw benzene?	☐	☒	☐	☒

G. DOT SHIPPING INFORMATION/REACTIVITY AND WASTE COMPATIBILITY

1 Is the Material a USDOT Hazardous Material per 49 CFR 172.101 (If No, Skip to 4) ☐ Yes ☒ No

2. Reportable Quantity (lbs or kgs): _____ 3. Hazard Class/ID: _____

4. USDOT NMFC #40560, UFC #20460
Shipping Name: Non-Regulated and Non-Hazardous

Prepared by Cale Fleming Company: Delta Consultants

Approval (Site Mgr) James F. Trotter

Title Site Manager

Date: 6/22/07

RM&R Site Mgr
Reviewed By:
Reviewed Date:

PROCESS KNOWLEDGE DOCUMENTATION

Process Knowledge must be fully documented and maintained with the Waste Determination Form This Knowledge supports the waste classification and why analyses or limited analyses were performed on the waste

Process Knowledge Checklist (All methods used in the determination)	
☒	***Material Safety Data Sheet(s):Not Applicable***
☐	***Manufacturer's Literature:***
☒	***Identify chemicals/materials involved in the waste generation process (including any potential breakdown products):*** *Petroleum hydrocarbons, granular activated carbon (spent)*
☒	***Describe the waste generation process:*** *Treatment of oily groundwater through activated aqueous carbon adsorption*
☒	***Identify potential contaminants:*** *Petroleum Hydrocarbons*
☒	***Other documentation generated in conjunction with the waste generation process:*** *Straight Bill of Lading, Waste Management – Hillsboro Landfill Waste Disposal Permit #100200WA Waste Management –Hillsboro Waste Disposal Tickets, Waste Characterization Data (WCD) Form – Waste Management, Siemens Spent Carbon Profile Acceptance Form, Siemens Analytical Report 1*
☒	***Preliminary analytical results:*** ***Benzene <0.005 mg/L TCLP;***
☐	***Other Relevant Information:***

Prepared by Cale Fleming Company: Delta Consultants

Approval (Site Mgr) James F. Trotter

Title Site Manager

Date 6/22/07

RM&R Site Mgr
Reviewed By:
Reviewed Date:

SAMPLE COLLECTION AND ANALYTICAL DOCUMENTATION

Sample collection and analytical data must be documented and maintained with the Waste Determination Form. This information supports the waste classification by documenting the procedure for collecting representative samples and by identifying the analytical documentation that must be included in the waste determination file with the waste determination form. Complete the following information and attach all supporting documentation.

Sampling Procedures
Date(s) of sample collection: *January 2007*
Describe the sample location or unit from which the sample was taken (include sample points): *Mid-point of carbon vessel*
Describe sample method(s) and equipment used to collect the sample: *Representative grab sample(s) from carbon vessel* ***Were Free Liquids Present?*** ☐ *Yes* ☒ *No*
Describe sample preparation, collection, and preservation methods: *3 – 1 quart non-preserved sample containers collected at midpoint of carbon vessel. The samples are not required to be chilled.*
Sampling Rationale: ***1. Why does the number, type, and location of samples collected represent the waste material?*** *Generally, systems are configured such that the top of the carbon bed, or most convenient access point, will provide the most heavily loaded carbon sample, or vice versa. To ensure the collection of a representative sample, care should be taken to sample at the mid-point of the carbon bed or adsorption system or to collect evenly spaced samples and mix them to ensure a representative sample and a truly characteristic waste profile.* ***2. Why was the analysis limited to the selected parameters?*** *Required based on the Spent Carbon Profile Form. Additional testing may be required if any fail limits for TCLP.*

Analytical Data Checklist (All Items Attached)	
☒	***Analytical results, including QC data.***
☒	***Listing of Analytical methods, including preparatory methods (if used).***
☒	***Listing of Reporting Limits (i.e., Detection Limits).***
☒	***Name of Analytical Laboratory used.***
☐	***Chain-of-Custody Form(s).***

RM&R Site Mgr
Reviewed By:
Reviewed Date:

INSTRUCTIONS FOR COMPLETION OF SECTION E OF WASTE DETERMINATION FORM

(1) Is the waste a listed hazardous waste, mixed with a listed hazardous waste, or derived from a listed hazardous waste? Descriptions of listed wastes are found in 40 CFR 261 31 through 261 33 (4 0 CFR Part 261 Subpart D) These are often referred to as the:

- ✓ F Listed Wastes (waste from non-specific sources - 261 31)
- ✓ K Listed Wastes (wastes from specific sources - 261.32)
- ✓ P Listed Wastes (unused acute hazardous off-specification materials as well as container residues and spill residues of these materials - 261 33)
- ✓ U Listed Wastes (unused toxic hazardous off-specification materials as well as container residues and spill residues of these materials - 261 33)

(2) Is the waste ignitable per 4 0 CFR 261.21?

- ✓ Liquid wastes (other than those aqueous wastes containing <24% alcohol by volume) which have a flash point <60C (140 F) are ignitable wastes
- ✓ Non-liquid wastes which are capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture, or spontaneous chemical changes and, when ignited, burn so vigorously and persistently that they create a hazard, are considered ignitable wastes
- ✓ Wastes which meet the definition of an ignitable compressed gas (see 49 CFR 173 300) are ignitable wastes
- ✓ Wastes which meet the definition of oxidizer (see 49 CFR 173.151) are ignitable wastes.

(3) Is the waste corrosive per 40 CFR 261.22?

- ✓ Aqueous wastes which have a pH less than or equal to 2 or greater than or equal to 12 5 are considered corrosive wastes
- ✓ Liquid wastes which corrode steel at a rate greater than 6 35 mm (0 250 inches) per year are considered corrosive wastes

(4) Is the waste reactive per 40 CFR 261 23? A waste is reactive if it is capable of detonation or explosive decomposition or reaction:

1. At standard temperature and pressure, or
2. If subjected to a strong ignition source, or
3. Heated under confinement.

A waste is reactive if, when mixed with water, it is:

1. Potentially explosive, or
2. Reacts violently, or
3. Generates toxic gases of vapors.

   A cyanide- or sulfide-bearing waste is reactive if, when exposed to pH conditions between 2 and 12 5, it can generate toxic gases, vapors, or fumes in a quantity sufficient to present a danger to human health or the environment. (Generally, if a waste generates 250 ppm or more reactive cyanides or 500 ppm or more reactive sulfides, it is considered a reactive waste)

A waste is reactive if it is:

1. Normally unstable and readily undergoes violent change without detonating, or
2. A forbidden explosive (see 49 CFR 173.53), or
3. A Class B explosive (see 49 CFR 173.88).

(5) Is the waste toxic per 40 CFR 261 24?
A waste is toxic for any constituent which leaches at or greater than the regulatory level set by EPA when the waste is subjected to the Toxicity Characteristic Leachate Procedure (TCLP) as described in EPA Method 1311 (SW-846)

(6) Is the waste defined as a wastewater per 40 CFR 268.2(f)?
Wastewater are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1 % by weight total suspended solids (TSS)

(7) Is the waste defined as a non-wastewater per 40 CFR 268 2(d)? Non-wastewaters are wastes that do not meet the criteria for wastewaters.

RM&R Site Mgr
Reviewed By:
Reviewed Date:

INSTRUCTIONS FOR COMPLETION OF PROCESS KNOWLEDGE SECTION OF WASTE DETERMINATION FORM

Process knowledge must be documented and maintained in written or electronic format It cannot be stored solely in someone's mind. It must support why the waste has been classified and why a particular test method was not performed. Examples of process knowledge:

- Material Safety Data Sheets (MSDSs)
- Manufacturers Literature
- Identification of chemicals/materials involved in the waste stream generation process (include any potential breakdown products)
- Full description of waste stream generation activities
- Identification of potential contaminants
- Other documentation generated in conjunction with a particular process
- Preliminary testing results
- Other relevant information

INSTRUCTIONS FOR COMPLETION OF SAMPLE COLLECTION AND ANALYTICAL DOCUMENTATION SECTION OF WASTE DETERMINATION FORM

Analytical data that is supported by Quality Control Data and Sample Documentation information must be documented if process knowledge does not sufficiently support a classification Information that must be maintained if analytical data is used for classification purposes:

Sampling Procedures

- Dates of sample collection
- Description of the site and/or unit from which the sample was collected, including sampling locations
- Sampling method and equipment used for sampling
- Description of sampling techniques, including collection, containerization, and preservation
- Rationale (Why does the number, type, and location of samples collected represent the waste stream being characterized?)

Analytical Data

- Analytical results including quality control data
- Identification of analytical methods (include preparatory methods, if any)
- Identification of detection limits
- Identification of the laboratory performing the analytical analysis

Chain of Custody

- Company Information Complete
- Sample by indicated
- Collection Date
- Collection Time
- Sample Description
- Sample Type
- Sample Matrix
- Number of containers of each sample type
- Analysis Requested
- Preservative Used
- Relinquished By (Date/Time Signature)
- Relinquished To (Date/Time Signature)

RM&R Site Mgr
Reviewed By:
Reviewed Date:

SIEMENS

Water Technologies

Carbon Activated Laboratory
5375 South Boyle Avenue
Los Angeles, CA 90058
TELEPHONE 323.277.3084
FACSIMILE 323.277.3080

ANALYTICAL REPORT

Customer: Conoco Phillip	Lab I.D. #: 23429
SCPT No : : 20-128	Date Reported: 01/10/07
Address: 5528 NW Doane Ave Portland Oregon 97210	Date Sampled: Date Received: 01/09/07
WES Contact: Pacific Northwest Sales	Date Analyzed: 01/10/07
Sampler:	Date Extracted: 01/09/07

EPA METHOD 1311 AND 8260
VOLATILE ORGANIC COMPOUNDS

Compound	cas #	Concentration (mg/L) ppm in TCLP extract	Limit of detection (mg/L)	TCLP limits (mg/L)
Vinyl Chloride	75-01-4	<0.030	0.03	0.2
1,1 Dichloroethene	75-35-4	<0.005	0.005	0.7
Chloroform	67-66-3	<0.005	0.005	6.0
1,2-Dichloroethane	107-06-2	<0.005	0.005	0.5
Methyl Ethyl Ketone Butanone	78-93-3	<0.50	0.50	200
Carbon Tetrachloride	56-23-5	<0.010	0.010	0.5
Trichloroethene	79-01-6	<0.005	0.005	0.5
Benzene	71-43-2	<0.005	0.005	0.5
Tetrachloroethene	127-18-4	<0.005	0.005	0.7
Chlorobenzene	108-90-7	<0.005	0.005	100

The volatile organic analyses was extracted using a Zero Headspace Toxicity Characteristic Leaching Procedure (TCLP). The leachate was prepared according to the procedure as listed in the 40CFR Part 261, et al., and Federal Register . March 29, 1990 and June 29 1990 .

A sample is considered to have failed the volatile TCLP test and is considered a hazardous waste if any of the volatile compounds exceed the maxima limits as listed in the last column. These limits have been taken from the March 29, Federal Register . pp 11845-6

Respectfully submitted,

Margaret Jefferson

Margaret Jefferson
Laboratory Manager

Liquid

Emailed to NARE 01/22

This report is submitted in confidence to the above named client. Authorization for publication of this report, conclusions, or extracts from or regarding it is restricted without written consent of Siemens Water Technologies as a mutual protection to our client's, the public and ourselves.

WASTE CHARACTERIZATION DATA (WCD) FORM - Electronic

Waste Management Approval Code _____

Important: This form is to be completed by a representative of the generator. Please read the instruction page prior to the completion of this form. This form must be typewritten or legibly handwritten in ink, signed and dated.

Salesperson: _____
Telephone: _____
Fax: _____

☒ New Waste Approval
☐ Update Approval - Previous Approval Number: _____
Disposal Site Requested: _____

1. Generator Information

Generator's Name: Siemens Water Technologies ES PNW 123
Point of Origin/ Address: Po Box 898
City: Brush Prairie State: WA Zip: 98606
Generator's Representative: Wade Long
Title: Branch Manager
Telephone: 360-699-7392
Fax: 360-695-0358
Emergency/Information Contact: _____
Title:
Telephone: _____

EPA ID #:
State Registration Number: _____
TNRCC Waste Code Number: _____
County: _____ SIC Code: _____
Customer's Name: _____
Customer's Mailing Address: _____
City: _____ State: _____ Zip: _____
Representative:
Telephone: _____
Fax: _____

2. Transporter Information

Transporter's Name: Same as above
Mailing Address: _____
City: _____ State: _____ Zip: _____

Transporter ID: _____
Telephone: _____
Fax: _____

3. Waste Stream Information

Waste/Waste Stream Name: spent activated carbon
Process Knowledge [Describe materials and process(es) generating the waste]: groundwater contamination / odor control / potable water treatment
Is this waste a characteristically hazardous waste as per 40 CFR 261.21-24? ☐ Yes ☒ No
Is this waste an F, K, P, or U listed hazardous waste as per 40 CFR 261.30-33? ☐ Yes ☒ No
Is this a waste regulated by the Railroad Commission? ☐ Yes ☒ No
Estimate Quantity: 3 ☒ Tons ☐ Cubic Yards ☐ Drums ☐ Gallons ☐ Other _____
Frequency: _____ ☐ One Time ☒ Monthly ☐ Quarterly ☐ Semi-Annual ☐ Annual ☐ Other _____

4. Physical Characteristics

Physical State at 72°F: ☐ Combination of ☒ Solid ☐ Liquid ☐ Semi-solid ☐ Powder
Appearance/Texture: ☒ Granular/Lump ☐ Powder/Fine ☐ Free Flowing Liquid ☐ Other _____
Color(s): Black
Odor: ☐ Strong - Describe: _____ ☒ Mild ☒ None
Corrosivity (pH): ☐ ≤2 ☐ 2.1 - 7.0 ☒ 7.1 - 12.4 ☐ ≥12.5 ☐ Actual _____ ☐ N/D
Bulk Density: _____ ☐ lbs./gal. ☐ lbs./yd³ ☒ Other 60#/cuft ☐ N/D
Ignitability (Flashpoint, °F): ☐ ≤72 ☐ 73 - 140 ☐ 141 - 200 ☒ >201 ☐ Actual _____ ☐ N/D

COP0016035

5. Chemical Composition

Based upon generator's knowledge of the process and expected contaminants, please provide a breakdown of the waste stream requesting disposal. Account for 100 % of the waste.

Components/Expected Contaminants	Range (%)
BTEX	<1% expected

6. Additional Waste Components

Indicate if the waste contains any of the following. If any are marked, please include in the overall composition in Section 5

☐ Used Oils ☐ Free Liquids ☐ Radioactive Materials ☐ Etiological Agents ☐ OSHA Substances
☐ Virgin Oils ☐ PCB's not regulated by TSCA 40 CFR 761 ☐ Organic Solvents ☒ None of the Above

7. Reactivity

Indicate if the waste exhibits any of the following properties:

☐ Water Reactive ☐ Acid Reactive ☐ Alkaline Reactive ☐ Pyrophoric ☐ Thermally Sensitive
☐ Explosive ☐ Autopolymerizable ☐ Shock/Vibration Sensitive ☒ None of the Above

8. Supplemental Documents

☐ Letter/Memo ☒ Analytical Data ☐ Chain of Custody ☐ Notice of Registration
☐ Process Diagrams ☐ Material Safety Data Sheets ☐ None ☐ Other: _____

9. Generator Certifications

I certify that the analytical data identified below is representative and attached as support to the information certified on this application form

Lab Name(s): Siemens Water Technologies

Report Date(s): 1/10/07

Sample I D (s): 23352 - 23421 - 23429

By signing this form I certify that:

1. I am the legal generator of the waste described on this application
2. The waste described is not a regulated Hazardous Waste as defined by the USEPA, State, or local Regulations.
3. All applicable underlying hazardous constituents (UHCs) and land disposal restriction (LDRs) regulatory issues have been evaluated for this waste stream and it has been determined that UHCs and LDRs are either not applicable or have been met
4. This form and its attachments contain true and accurate information regarding this waste stream
5. Any laboratory data used to support the information presented herein has been obtained from the analysis of a representative sample collected and preserved in a manner consistent with accepted technical standards

Date: 4/27/07

Print Name: Wade Long Phone: 360-699-7392

Signature: Wade Long Title: Branch Manager

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Water Technologies

Material Safety Data Sheet

SECTION 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Activated Carbon, including AquaCarb Series, VOCarb Series, AC Series, VC Series, BevCarb Series, and UltraCarb Series
Part Number: 101 **Chemical Family**: activated carbon

Manufacturer's Name: Siemens Water Technologies Corp.
Address: 181 Thorn Hill Road, Warrendale, PA 15086
Product/Technical Information Phone Number: (323) 277-1500
Medical/Handling Emergency Phone Number: CHEMTREC (800) 424-9300
Transportation Emergency Phone Number: CHEMTREC (800) 424-9300
Issue Date/Revision Number: June 2006/Rev 1

SECTION 2 – COMPOSITION INFORMATION

Chemical Name	Percent by Weight	CAS#
Activated Carbon	100	7440-44-0

SECTION 3 – HAZARDS IDENTIFICATION

Appearance & Odor: black granules without taste or odor

Emergency Overview:

- Dust that contacts eyes may be irritating or cause mechanical injury.
- Dust may cause slight skin irritation.
- Dust may be irritating to the respiratory tract and cause coughing or sneezing.
- Ingestion of powder may be irritating to the gastrointestinal tract.

Warning: Wet activated carbon depletes oxygen from the air and therefore dangerously low levels of oxygen may be encountered in enclosed spaces. Whenever workers enter a vessel containing activated carbon, the vessel's oxygen content should be determined and work procedures for potentially low oxygen areas should be followed.

Fire & Explosion Hazards: When burned, hazardous products of combustion including carbon oxides can occur. Irritating and/or toxic gasses due to decomposition of the product may be generated during a fire. Fight fire from a safe distance from a protected location. Contact with strong oxidizers such as ozone or liquid oxygen may cause rapid combustion.

Primary Route(s) of Exposure: Eye contact, skin contact, and inhalation, are possible routes of entry

Inhalation – Acute Effects: Dust may be irritating to the respiratory tract and cause coughing or sneezing.

Skin Contact – Acute Effects: Dust may cause slight skin irritation.

Eye Contact – Acute Effects: Dust that contacts eyes may be irritating or cause mechanical injury
Ingestion – Acute Effects: Ingestion of powder may be irritating to the gastrointestinal tract

SECTION 4 – FIRST AID MEASURES

Inhalation First Aid: Remove affected person from area to fresh air and provide oxygen if breathing is difficult Give artificial respiration ONLY if breathing has stopped and give CPR ONLY if there is no breathing and no pulse. Obtain medical attention.

Skin Contact First Aid: Wash skin for 5 minutes with flowing water and soap. Clothing should be washed before reuse. Obtain medical assistance if irritation develops DO NOT instruct person to neutralize affected skin area

Eye Contact First Aid: Immediately irrigate eyes with flowing water continuously for 15 minutes while holding eyes open. Contacts should be removed before or during flushing Seek medical assistance if irritation develops. DO NOT instruct person to neutralize.

Ingestion First Aid: Vomiting may need to be induced if directed by a physician or poison control center. DO NOT have unqualified personnel induce vomiting. Obtain medical attention immediately.

Medical Conditions Aggravated: Respiratory ailments may be aggravated by exposure to this product.

Note to Physician: No specific antidote. Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point/Method: Nonflammable

Auto Ignition Temperature: 840°C (1,710°F)

Upper/Lower Explosion Limits: Not applicable.

Extinguishing Media: Water spray, carbon dioxide, foam or dry chemical

Fire Fighting Procedures: In the event of a fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full face piece, operated in positive pressure mode.

Fire & Explosion Hazards: When burned, hazardous products of combustion including carbon oxides can occur. Irritating and/or toxic gases due to decomposition of the product may be generated during a fire. Fight fire from a safe distance from a protected location. Contact with strong oxidizers such as ozone or liquid oxygen may cause rapid combustion.

Hazardous Products of Decomposition and/or Combustion: Carbon oxides.

NFPA Ratings:

HEALTH- 1 FLAMMABILITY- 0 REACTIVITY- 0 OTHER- none

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill/Leak Procedures: Clean up spills in a manner that does not disperse dust into the air.

Cleanup: Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of a material from eyes, skin, and clothing

Regulatory Requirements: Spent (used) carbon should be disposed of in accordance with applicable laws. All disposal methods must be in compliance with all Federal, State, Local and Provincial laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

Disposal: Dispose of virgin (unused) carbon (waste or spillage) in a facility permitted for non-hazardous wastes. Spent (used) carbon should be disposed of in accordance with applicable laws. Do not reuse empty bags. Dispose of in facility permitted for non-hazardous wastes. DO NOT DUMP INTO ANY SEWERS, ON THE GROUND OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State, Local and Provincial laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

SECTION 7 – HANDLING AND STORAGE

Handling: Avoid dispersion into air. Keep containers dry and closed. Follow good handling and housekeeping practices to minimize spills, generation of airborne dusts, and accumulation of dusts on exposed surfaces. Use with adequate exhaust ventilation to draw dust away from workers' breathing zones. Prevent or minimize exposures to dusts by using appropriate respirators, gloves and eye protection. Wash exposed skin areas thoroughly with soap and water. Use caution when pouring, using pneumatic transport, swirling, etc. as this material can become electrostatically charged and present a dust explosion hazard.

Storage: Avoid spilling media so as to avoid creating residual dust. Store at ambient atmospheric conditions. Product should be stored in a closed dry container. Maintain good housekeeping procedures. Store away from strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc

General Comments: Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

SECTION 8 –PERSONAL PROTECTION/ EXPOSURE CONTROL

Respiratory Protection: If use conditions generate dust levels above the TLV/PEL, wear a NIOSH-approved particulate respirator or a NIOSH-approved cartridge respirator

fitted with dust filters. Observe respirator use limitations specified by NIOSH or the manufacturer

Skin Protection: Wear appropriate dust resistant clothing and gloves.

Eye Protection: Safety glasses with side shields. If eye contact or dusty conditions are likely, wear dust tight goggles.

Ventilation Protection: Provide ventilation if necessary to minimize exposure. Dilute ventilation acceptable, but local mechanical exhaust ventilations preferred, if practical, at sources of air contamination such as open process equipment.

Other Protection: Safety showers, with quick opening valves which stay open, and eye wash fountains, or other means of washing the eyes with a gentle flow of cool to tepid tap water, should be readily available in all areas where this material is handled or stored. Water should be supplied through insulated and heat-traced lines to prevent freeze-ups in cold weather.

Exposure Limits:
OSHA PEL ACGIH TLV
8 hr TWA, mg/m3 8 hr TWA, mg/m3
Particulates Not
Otherwise 15 (total) ---
Regulated 5 (respirable) ---
Particulates Not
Otherwise --- 10 (inhalable)
Classified --- 3 (respirable)

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor: black granules without taste or odor

Vapor Pressure: zero

Vapor Density (Air=1): not applicable

Boiling Point: not applicable

Melting Point: not determined

Specific Gravity: 1.8 – 2.1

Solubility in Water: Insoluble

Volatile Percentage: 0%

pH: not determined

SECTION 10 – STABILITY AND REACTIVITY

Stability: This product is considered stable under the specified conditions of storage, shipment and use

Incompatibilities: Contact with strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc. may result in rapid combustion. Avoid contact with strong acids.

Polymerization: Hazardous polymerization will not occur.

Decomposition: Hazardous decomposition will produce carbon oxides.

Conditions to Avoid: Store away from strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc. Moist air will reduce the operating life.

SECTION 11 – TOXICOLOGICAL INFORMATION

Inhalation – Acute: Inhalation of carbon dust is mildly irritating to the lungs and can immediately give rise to an increased mucociliary transport and airway resistance mediated by the vagus. Inhalation LC50 (Rat) > 64.4mg/l.

Inhalation – Chronic: There are no known chronic inhalation effects.

Skin Contact – Acute: Skin contact is expected to be slightly irritating. The primary skin irritation index (rabbit) is 0.

Skin Contact – Chronic: There are no known chronic dermal effects.

Eye Contact – Acute: Eye contact can cause conjunctivitis, epithelial hyperplasia of the cornea, as well as eczematous inflammation of the eyelids.

Ingestion – Acute: Activated carbon is practically nontoxic. The probable oral lethal dose (human) is greater than 15g/kg; more than one quart (2.2 lbs) for a 150 lb person.

Ingestion – Chronic: There are no known chronic ingestion effects.

Carcinogenicity/Mutagenicity: There are no known carcinogenic/mutagenic effects

Reproductive Effects: There are no known reproductive effects.

Neurotoxicity: There are no known neurotoxic effects.

Other Effects: No other effects of carbon are known.

Target Organs: Target organs include the respiratory system and the cardiovascular system.

SECTION 12 – ECOLOGICAL INFORMATION

The material, in its original state, is not harmful to the environment.

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SECTION 13 – DISPOSAL CONSIDERATIONS

Spill/Leak Procedures: Clean spills in a manner that does not disperse dust into the air, preferably a wet-down procedure or vacuum.

Cleanup: If material is not contaminated, spilled media can be re-bagged. Material that cannot be used or chemically reprocessed and empty containers should be disposed of in accordance with all applicable regulations. Product containers should be thoroughly emptied before disposal.

Regulatory Requirements: Generators of waste material are required to evaluate all waste for compliance with RCRA and any local disposal procedures and regulations. NOTE: State and local regulations may be more stringent than federal regulations.

Disposal: Material that cannot be used or chemically reprocessed and empty containers should be disposed of in accordance with all applicable regulations. Product containers should be thoroughly emptied before disposal. Warning: Wet activated carbon depletes oxygen from the air and therefore dangerously low levels of oxygen may be encountered. Whenever workers enter a vessel containing activated carbon, the vessel's oxygen content should be determined and work procedures for potentially low oxygen areas should be followed.

SECTION 14 – TRANSPORTATION INFORMATION

DOT Shipping Description: Not DOT regulated.

SECTION 15 – REGULATORY INFORMATION

OSHA Hazard Communication Standard: irritant
CERCLA Section 103 no. RQ: none
SARA Section 302 no
SARA Section 304 no
SARA Section 313 no
SARA Hazard Categories, Sections 311/312:
Acute: yes
- Chronic: no
- Fire: no
- Reactive: no
- Sudden Pressure Release: no

OSHA Process Safety no
CALIFORNIA Proposition 65: no

SECTION 16 – OTHER INFORMATION

Disclaimer: The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the user thereof. It is the buyer's responsibility to ensure that its activities comply with federal, state, provincial and local laws.
Rev 1: Updated Manufacturer's Name; revised Section 8.

INSTRUCTIONS FOR COMPLETING PROFILE SHEET
(1 profile per stream please)

Lines 1-2: Generator: Enter generator's name Location: Enter address of site where Material was generated at. (Material is being recycled; therefore it is not a "waste)

Lines 4-16: This section: Fill out only what applies to your material.
- (4-6): Check only the boxes that apply (if they do not apply, leave blank).
- (7): Gasoline, gasoline & water, diesel, diesel & water, etc. ENTER HERE.
- (8): If material is oil mixed with more than 10% water, ENTER HERE (ex: emulsified hydraulic oil & water).
- (9): DO NOT LEAVE BLANK. Estimate if necessary.
- (10-12): Complete these lines ONLY if material is PCB contaminated oil.
- (13): Check the box that applies if your material is an oily solid (ex: spill pads would be marked under "spill clean up material").
- (14): If none of the above properly describes your stream, enter here. (ex: if you have asphalt emulsion, water containing no oil, etc.)
- (15-16): Only to be filled out if stream is a solvent.

Lines 17-18: TO BE FILLED OUT BY ORRCO.

Lines 19-20: Answer these questions as they apply to your material. *Explanation.* *Corrosive* = pH above 12.5 or below 2.5, *Reactive* = bleach & ammonia Are reactive (makes a bomb), *Toxic* = Refers to heavy metals, *Listed* = Is material a listed solvent?, *Flash Over or Under 140F?* = Is stream a Flammable? (ex: gasoline would be marked "no").

Lines 21-27: Explain in detail how material is generated. (ex: heating oil pumped from UST before decommissioning). Was material from a spill? Is it a new (not Used) product? Is there any exemptions or DEQ registration numbers for UST? Also include any MSDS Sheets or lab analysis on the material to Prove non-hazardous status

Line 28: Please PRINT the name & Title of person providing information.

Line 29: Enter EPA # & Generator Status Here.

ACRONYMS: HW: Hazardous Waste
LQG: Large Quantity Generator
SQG: Small Quantity Generator
CEG: Conditionally Exempt Generator (Not in WA State).

CEG means generator produces less than 220 pounds of hazardous waste Per site, PER CALENDAR MONTH.

Line 38: Generator's signature, title, & date signed required for acceptance of stream.

Lines 40-44: TO BE FILLED OUT BY RECEIVING FACILITY ONLY, NOT GENERATOR

(F Users/John/PROF1)

Store #: 0922
Report Type Code: WST
Description: Waste Profile
Date: 5/22/07

COP0016043

1 Generator Name Conoco Phillips Location 5528 NW Doane Av
2 Portland OR, 97210

3 **Generator Fills Out** **Waste/Material Profile (One completed profile per product)**

4 Description: Used Automotive Oil ☐DIY Used Oil ☐Machine Lubricating Oil ☐Machine Tool Cutting and/or Cooling Fluids
5 (including used solutions)containing at least 1% petroleum ☐ Hydraulic Oil ☐ Brake Fluid ☐ Refrigeration Oil ☐ Fuel Filters ☐
6 Oil Filters ☐ Antifreeze☐ Oil Used as a Non-Contact Heat Transfer Media☐ Solvent☐
7 **Unused Fuels and Type:**Description(where and how generated)_____
8 **Water/Petroleum Mixtures:Type** Contaminated Groundwater From Recovery Wells
9 Percent Water 99+ % Actual Calculation☐ Process Knowledge☐ Clear Tube ☐ Kolor Kut ☐
10 **Transformer Oil** PCB under 2PPM ☐ PCBs under 50PPM ☐ Date tested _____ Tests attached ☐
11 Generator hereby certifies that no dilution of oil containing PCBs has occurred below any regulatory threshold :
12 Signed:_____
13 **Oily Solids: Tank Sludge ☐ Sump Sludge ☐ Contaminated Soil ☐ Spill Cleanup Material ☐**
14 **Other (Specify) :**_____**Attach all pertinent documents**
15 **Solvent : Flash Point**_____
16 **Has generator mixed solvent with any hazardous waste? Yes ☐ No☐ If yes, Stop Call Supervisor**

17 **For all wastes or materials,provide the following information:** **Field Data**
18 *Sniffer Test Passed☐ Failed☐ Date Tested*_____ Clor D-Tect Test Results_____ PPM Date Tested_____ PH_____
19 **Is Material Mixed With Hazardous Waste?Yes ☐ No ☐ If yes, Stop call Supervisor**
20 **Corrosive?** Yes☐ No☐ **Reactive?** Yes☐ No☐ **Toxic?** Yes☐ No☐ **Listed?** Yes ☐No ☐ **Flash Over 140°F** Yes ☐ No ☐

21 **List All Pertinent Information(Describe process of waste generation in detail) Attach all Documentation**
22 **including all MSDS sheets & test results;** Petroleum in Groundwater is the
23 result of historical spills and/or leaks at the
24 Fuel terminal. The fuel is characterized as weathered
25 diesel and heavier Fuel oils with Minor amounts of
26 Gasoline. the Water/Fuel will be removed with Vac-Trucks
27 and Transported to ORRCO. Analytical has been provided.
28 Name and Title of Person providing information: Nate Hemphill, Project Geologist
29 **Facility E.P.A. REG #**_____ **HW Generator Status: LQG**____ **SQG**____ **CEG**____
30

31 Certification & Guarantee
32 As generator of the material described in this profile (or authorized representative of the generator), I hereby certify that the information
33 contained in this document is accurate and complete I further certify that this material has NOT been mixed with any contaminants including
34 without limitation, Pesticides and waste listed or identified as hazardous waste under RCRA, or if mixing has occurred this material has been
35 mixed with an ignitable-only hazardous waste in compliance with the used oil mixture rule or C E G exemption In the event that the material
36 described in this document is in fact hazardous waste,
37 I hereby guarantee to pay all costs necessary for proper analysis transportation storage and disposal
38 Signed James F. Fitter Title Site Manager Date 5/22/07
39

40 Receiving Facility Data
41 Is Waste/Material Acceptable for Processing? Yes☐ No☐ Explanation:_____
42 Accepted ☐ Signed_____ Title_____ Date_____
43 Rejected ☐ Reason_____
44 Returned to Generator? Yes ☐ No ☐ Transported To:_____

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Section 6.2.4.3 - Waste Determination Form
Issue Date: 11-1-2003
Revision Date: 04-29-2005
Owner: Steve Heidorn

☐ *If a Waste Determination Form (WDF) was completed on this material within the last 3 years and there have been no changes in material components or the process generating the material, you do not need to complete a new form. Complete Section A and file the top copy of this document in the project files for the active period of the project plus 5 years. Authorized (Approval) signature required in Section A.*

☐ *If a Waste Determination Form (WDF) has not been completed in the last 3 years for the material or if the material components or the material generation process has changed since this material was last generated, complete all of the Waste Determination Form. Maintain a copy in the project files for the active period of the project plus 5 years.*

A. MATERIAL GENERATOR INFORMATION

1. Site Name: ConocoPhillips Site No. 0922 -- Willbridge Terminal
2. SIC Code: N/A
3. Street Address: 5528 NW Doane Avenue
4. Phone #: 503-248-1517
5. City: Portland
6. State: OR
7. Zip Code: 97210
8. EPA ID #: N/A
9. County: MULT
10. State ID #: N/A
Other State ID #:
11. RM&R Project I.D. #: 0922
12. Project Contact Name & Phone Number: Ext. Mike Noll
13. Date Form Completed: 6/20/07
14. Material Generation Start Date (Date Waste Container(s) are to be Filled): 1/10/07

B. MATERIAL INFORMATION

1. Material Name: Spent Granular Activated Carbon
2. Material Generation Process: Groundwater Treatment System/Oil Recovery System for MDO/Diesel releases. Treats oily groundwater for discharge to POTW.

☒ *Petroleum contaminated media and debris that fail the test for TCLP but are managed under a Federal/State UST Corrective Action program are solid wastes that are expressly excluded from the definition of a hazardous waste (40 CFR 261.4(b)(10)) Project file has the necessary analytical data.*

☐ *Petroleum contaminated media and debris generated by drilling fluids, produced waters, and other wastes associated with the exploration, development or production of crude oil, natural gas or geothermal energy are solid wastes that are expressly excluded from the definition of a hazardous waste. (40 CFR 261.4(b)(5) Project file has the necessary analytical data.*

The above wastes, though exempt from being a hazardous waste, must still be managed according to RMR Dept. non-hazardous procedures.

Section A and B approval signature required below.

Approval (Site Mgr): James T. Trotter *Title:* Site Manager *Date:* 6/22/07

****Note that the remainder of form does not need to be completed if this is a UST or Upstream project managing exempt waste.***

C. MATERIAL PROFILE

1. Material Type, Specify: Spent Carbon
2. Material Generation Frequency: ☐ One Time Only ☒ Periodic/Routine
3. Material Safety Data Sheets (MSDSs are good sources of information. If an MSDS is not available electronically, contact the material vendor/manufacture and request an MSDS).
(Mark One Only)
☒ Electronic MSDS/MSDS Number: Activated Carbon
☐ Hard Copy (A copy of the MSDS should be submitted along with this completed form).
☐ No MSDS available
4. Physical State: (☐ Mark One Only)
☒ Solid ☐ Sludge (20% Solids) ☐ Slurry (> 5% < 20% Solids)
☐ Mixture ☐ Liquid (5% Solids) ☐ ~~Compressed Gas~~
5. Characteristics: % Solids 85-99 Specific Gravity _____ Flashpoint >140 °F pH 4.1 to 10.5

Circle Unit

Store #: 0922
Report Type Code: WST
Description: Waste Profile
Date: 6/22/07

RM&R Site Mgr
Reviewed By:
Reviewed Date:

COP0016045

6. Material description and major components (percent):
   Spent Carbon – aqueous (95%)
   Foreign Material – dirt, sand, sediments (5%)

7. List potential contaminants/materials contacted in process (i.e., Lead, benzene/butane, gas oil, etc.):
   Petroleum hydrocarbons

8. Describe any operational processing of the material (i.e., purged with nitrogen/steam, water washed, etc.):
   None

D. SOLID WASTE DETERMINATION

1. Is the material a solid waste? ☒ Yes ☐ No (if no, explain below as per 40 CFR 261.2(f))

E. HAZARDOUS WASTE DETERMINATION

Answer the following questions. If the response to question 1, 2, 3, 4, or 5 is "Yes," the waste is hazardous. Indicate if either process knowledge or analytical testing was used to determine each response and attach supporting documentation.	Response		Documented	
	Yes	No	Process	Analysis
1. Is the waste a listed hazardous waste, a mixture of, or derived from a listed waste?	☐	☒	☐	☒
2. Is the waste Ignitable?	☐	☒	☐	☒
3. Is the waste Corrosive?	☐	☒	☐	☒
4. Is the waste Reactive?	☐	☒	☐	☒
5. Is the waste Characteristically Toxic?	☐	☒	☐	☒
LDR Information:	☐	☐	☐	☐
6. Is the waste an LDR defined Wastewater (WW)? (Contains <1% TOC and <1% TSS).	☐	☒	☐	☐
7. Is the waste an LDR defined Non-Wastewater (NWW)? (Any waste that does not meet the WW definition).	☐	☒	☐	☐

8. Is the Waste a Hazardous Waste? ☐ YES ☒ NO (If the answer is "No" do not complete 1 & 2 of Section F)

9. If the Waste is Non-Hazardous, identify appropriate Non-Hazardous Waste category:

☒ Non-hazardous Industrial Waste (Special Waste)
☐ Innocuous Non-Hazardous Industrial Waste
☐ Trash

RM&R Site Mgr
Reviewed By:
Reviewed Date:

F. RCRA SUBPART CC/ NESHAP SUBPART FF DETERMINATION

(Do not complete 1 & 2 of Section F if the waste is non-hazardous)

Answer the following questions. Indicate if either process knowledge or analytical testing was used to determine each response and attach supporting documentation.	Response		Documented	
	Yes	No	Process	Analysis
1. Does the waste contain < 500 ppmw Volatile Organics (VO) at the point of generation?	☐	☐	☐	☐
2. Does the waste contain < 20 % hydrocarbons by weight when it is/will be placed in a tank or container?	☐	☐	☐	☐
3. Does the waste contain > 10 ppmw benzene?	☐	☒	☐	☒

G. DOT SHIPPING INFORMATION/REACTIVITY AND WASTE COMPATIBILITY

1. Is the Material a USDOT Hazardous Material per 49 CFR 172.101 (If No, Skip to 4) ☐ Yes ☒ No

2. Reportable Quantity (lbs or kgs): _____ 3. Hazard Class/ID: _____

4. USDOT NMFC #40560, UFC #20460
Shipping Name: Non-Regulated and Non-Hazardous

Prepared by: Cale Fleming Company: Delta Consultants

Approval (Site Mgr): James E. Trotter

Title: Site Manager

Date: 6/22/07

RM&R Site Mgr
Reviewed By:
Reviewed Date:

PROCESS KNOWLEDGE DOCUMENTATION

Process Knowledge must be fully documented and maintained with the Waste Determination Form. This Knowledge supports the waste classification and why analyses or limited analyses were performed on the waste.

Process Knowledge Checklist (All methods used in the determination)	
☒	***Material Safety Data Sheet(s):Not Applicable***
☐	***Manufacturer's Literature:***
☒	***Identify chemicals/materials involved in the waste generation process (including any potential breakdown products):*** *Petroleum hydrocarbons, granular activated carbon (spent)*
☒	***Describe the waste generation process:*** *Treatment of oily groundwater through activated aqueous carbon adsorption*
☒	***Identify potential contaminants:*** *Petroleum Hydrocarbons*
☒	***Other documentation generated in conjunction with the waste generation process:*** *Straight Bill of Lading, Waste Management – Hillsboro Landfill Waste Disposal Permit #100200WA, Waste Management –Hillsboro Waste Disposal Tickets, Waste Characterization Data (WCD) Form – Waste Management, Siemens Spent Carbon Profile Acceptance Form, Siemens Analytical Report t*
☒	***Preliminary analytical results:*** ***Benzene <0.005 mg/L TCLP;***
☐	***Other Relevant Information:***

Prepared by: Cale Fleming Company: Delta Consultants

Approval (Site Mgr) James T. Trotter

Title: Site Manager

Date: 6/22/07

RM&R Site Mgr
Reviewed By:
Reviewed Date:

SAMPLE COLLECTION AND ANALYTICAL DOCUMENTATION

Sample collection and analytical data must be documented and maintained with the Waste Determination Form. This information supports the waste classification by documenting the procedure for collecting representative samples and by identifying the analytical documentation that must be included in the waste determination file with the waste determination form. Complete the following information and attach all supporting documentation.

Sampling Procedures
Date(s) of sample collection: *January 2007*
Describe the sample location or unit from which the sample was taken (include sample points): *Mid-point of carbon vessel*
Describe sample method(s) and equipment used to collect the sample: *Representative grab sample(s) from carbon vessel* ***Were Free Liquids Present?*** ☐ ***Yes*** ☒ ***No***
Describe sample preparation, collection, and preservation methods: *3 – 1 quart non-preserved sample containers collected at midpoint of carbon vessel. The samples are not required to be chilled.*
Sampling Rationale: ***1. Why does the number, type, and location of samples collected represent the waste material?*** *Generally, systems are configured such that the top of the carbon bed, or most convenient access point, will provide the most heavily loaded carbon sample, or vice versa. To ensure the collection of a representative sample, care should be taken to sample at the mid-point of the carbon bed or adsorption system or to collect evenly spaced samples and mix them to ensure a representative sample and a truly characteristic waste profile.* ***2. Why was the analysis limited to the selected parameters?*** *Required based on the Spent Carbon Profile Form. Additional testing may be required if any fail limits for TCLP.*

Analytical Data Checklist (All Items Attached)	
☒	***Analytical results, including QC data.***
☒	***Listing of Analytical methods, including preparatory methods (if used).***
☒	***Listing of Reporting Limits (i.e., Detection Limits).***
☒	***Name of Analytical Laboratory used.***
☐	***Chain-of-Custody Form(s).***

RM&R Site Mgr
Reviewed By:
Reviewed Date:

INSTRUCTIONS FOR COMPLETION OF SECTION E OF WASTE DETERMINATION FORM

(1) Is the waste a listed hazardous waste, mixed with a listed hazardous waste, or derived from a listed hazardous waste? Descriptions of listed wastes are found in 40 CFR 261.31 through 261.33 (4 0 CFR Part 261 Subpart D). These are often referred to as the:

- ✓ F Listed Wastes (waste from non-specific sources - 261.31)
- ✓ K Listed Wastes (wastes from specific sources - 261.32)
- ✓ P Listed Wastes (unused acute hazardous off-specification materials as well as container residues and spill residues of these materials - 261.33)
- ✓ U Listed Wastes (unused toxic hazardous off-specification materials as well as container residues and spill residues of these materials - 261.33)

(2) Is the waste ignitable per 4 0 CFR 261.21?

- ✓ Liquid wastes (other than those aqueous wastes containing <24% alcohol by volume) which have a flash point <60C (140 F) are ignitable wastes.
- ✓ Non-liquid wastes which are capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture, or spontaneous chemical changes and, when ignited, burn so vigorously and persistently that they create a hazard, are considered ignitable wastes.
- ✓ Wastes which meet the definition of an ignitable compressed gas (see 49 CFR 173.300) are ignitable wastes
- ✓ Wastes which meet the definition of oxidizer (see 49 CFR 173.151) are ignitable wastes.

(3) Is the waste corrosive per 40 CFR 261.22?

- ✓ Aqueous wastes which have a pH less than or equal to 2 or greater than or equal to 12.5 are considered corrosive wastes.
- ✓ Liquid wastes which corrode steel at a rate greater than 6.35 mm (0.250 inches) per year are considered corrosive wastes.

(4) Is the waste reactive per 40 CFR 261.23? A waste is reactive if it is capable of detonation or explosive decomposition or reaction:

1. At standard temperature and pressure, or
2. If subjected to a strong ignition source, or
3. Heated under confinement.

A waste is reactive if, when mixed with water, it is:

1. Potentially explosive, or
2. Reacts violently, or
3. Generates toxic gases of vapors.

A cyanide- or sulfide-bearing waste is reactive if, when exposed to pH conditions between 2 and 12.5, it can generate toxic gases, vapors, or fumes in a quantity sufficient to present a danger to human health or the environment. (Generally, if a waste generates 250 ppm or more reactive cyanides or 500 ppm or more reactive sulfides, it is considered a reactive waste).

A waste is reactive if it is:

1. Normally unstable and readily undergoes violent change without detonating, or
2. A forbidden explosive (see 49 CFR 173.53), or
3. A Class B explosive (see 49 CFR 173.88).

(5) Is the waste toxic per 40 CFR 261.24?
A waste is toxic for any constituent which leaches at or greater than the regulatory level set by EPA when the waste is subjected to the Toxicity Characteristic Leachate Procedure (TCLP) as described in EPA Method 1311 (SW-846).

(6) Is the waste defined as a wastewater per 40 CFR 268.2(f)?
Wastewater are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1 % by weight total suspended solids (TSS).

(7) Is the waste defined as a non-wastewater per 40 CFR 268.2(d)? Non-wastewaters are wastes that do not meet the criteria for wastewaters.

RM&R Site Mgr
Reviewed By:
Reviewed Date:

INSTRUCTIONS FOR COMPLETION OF PROCESS KNOWLEDGE SECTION OF WASTE DETERMINATION FORM

Process knowledge must be documented and maintained in written or electronic format. It cannot be stored solely in someone's mind. It must support why the waste has been classified and why a particular test method was not performed. Examples of process knowledge:

- Material Safety Data Sheets (MSDSs)
- Manufacturers Literature
- Identification of chemicals/materials involved in the waste stream generation process (include any potential breakdown products)
- Full description of waste stream generation activities
- Identification of potential contaminants
- Other documentation generated in conjunction with a particular process
- Preliminary testing results
- Other relevant information

INSTRUCTIONS FOR COMPLETION OF SAMPLE COLLECTION AND ANALYTICAL DOCUMENTATION SECTION OF WASTE DETERMINATION FORM

Analytical data that is supported by Quality Control Data and Sample Documentation information must be documented if process knowledge does not sufficiently support a classification. Information that must be maintained if analytical data is used for classification purposes:

Sampling Procedures

- Dates of sample collection
- Description of the site and/or unit from which the sample was collected, including sampling locations
- Sampling method and equipment used for sampling
- Description of sampling techniques, including collection, containerization, and preservation
- Rationale (Why does the number, type, and location of samples collected represent the waste stream being characterized?)

Analytical Data

- Analytical results including quality control data
- Identification of analytical methods (include preparatory methods, if any)
- Identification of detection limits
- Identification of the laboratory performing the analytical analysis

Chain of Custody

- Company Information Complete
- Sample by indicated
- Collection Date
- Collection Time
- Sample Description
- Sample Type
- Sample Matrix
- Number of containers of each sample type
- Analysis Requested
- Preservative Used
- Relinquished By (Date/Time Signature)
- Relinquished To (Date/Time Signature)

RM&R Site Mgr
Reviewed By:
Reviewed Date:

Siemens Water Technologies

Arizona Facility: 2523 Mutahar Street • P.O. Box 3308 • Parker, AZ 85344
(928) 669-5758 • FAX (928) 669-5775 EPA ID: AZD 982 441 263
California Facility: 11711 Reading Road • Red Bluff, CA 96080
(530) 527-2664 • FAX (530) 527-0544 EPA ID: CAR 000 058 784

SPENT CARBON PROFILE FORM

GENERATOR INFORMATION

1 a) Generator: ConocoPhillips
Mailing Address: 11921 185th Ave. SE
Snohomish, WA 98290

b) Site: Willbridge Terminal
Address: 5528 NW Doane Ave.
Portland, OR 97210

c) Contact Name: Michael Noll
d) EPA ID#: N/A
e) Phone No: 360-794-9523
f) Fax No: 360-794-6578

CONSULTANT INFORMATION

2. a) Consultant: Delta Consultants
Mailing Address: 7150 SW Hampton St., Ste 220
Tigard, OR 97223

b) Contact: Brian Pletcher
c) Phone: 503-639-8098 Ext 105
d) Fax: 503-639-7619
e) Email: bpletcher@deltaenv.com

PROPERTIES AND COMPOSITION OF THE SPENT CARBON

3. Provide a specific description of the process generating the spent carbon including constituents being treated.
(Please note if application is for potable water or food processing)

Groundwater treatment system / oil recovery system for MDO / diesel releases. Treats oily groundwater for discharge to P.O.T.W.

4 If this is a Renewal, Provide the Existing Profile Approval Number: W70119AC

5 Type of Spent Carbon: ☑ Aqueous ☐ Vapor

6 Foreign Material: ☑ Yes ☐ No (rocks, dirt, sand, etc.)

7. Handling: ☐ Bulk ☐ Drum ☐ Adsorber ☑ Bulk Bag ☐ Other _____

8. Free Liquid Range: ☐ 0 ☑ 1 – 15%

9 Liquid Flashpoint: ☐ < 140°F ☑ >140°F ☐ N/A Vapor

10. pH Range: ☐ <2 ☐ 2-4 ☑ 4 1-10.5 ☐ >10.5

11 Strong Odor? ☐ Yes ☑ No If yes, please Describe _____

12. Is spent carbon generated from a Superfund Site? ☐ Yes ☑ No

13. Is Spent Carbon Generated at a Subpart FF Facility? (Benzene NESHAP) ☐ Yes ☑ No

14 Does the waste contain benzene which is required to be managed and treated in accordance with the provisions of Subpart FF (40 CFR 61 342(f)(2)? ☐ Yes ☑ No
Note: If yes, total benzene analysis is also required

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15. DOES THE SPENT CARBON CONTAIN ANY OF THE FOLLOWING

A	Polychlorinated Biphenyls (PCBs)	☐ Yes	☑ No
B	Dioxins and/or Furans	☐ Yes	☑ No
C.	Dibromochloropropane (DBCP)	☐ Yes	☑ No
D	Sulfide or Cyanide	☐ Yes	☑ No
E.	Explosive, Pyrophoric and/or Radioactive material	☐ Yes	☑ No
F	Infectious material	☐ Yes	☑ No
G	Shock Sensitive material	☐ Yes	☑ No
H.	Oxidizer	☐ Yes	☑ No
I.	Heavy Metals	☐ Yes	☑ No

GENERATOR CLASSIFICATION

16 Is the Spent Carbon a **RCRA** Hazardous Waste? ☐ Yes ☑ No
If yes, list waste code(s) below:
RCRA Hazardous Waste requires "11 RCRA" Analysis

_____ _____ _____ _____

_____ _____ _____ _____

17. Is the Spent Carbon a **State** Hazardous Waste? ☐ Yes ☑ No
If yes, list waste code(s) below:

_____ _____ _____ _____

_____ _____ _____ _____

18. Is this Waste Subject to the Land Disposal Restriction Notification? ☐ Yes ☑ No

19 Estimated Annual Carbon Usage: _____

GENERATOR CERTIFICATION

I hereby certify that all information on this and all attached documents are true and that this information accurately describes the subject spent carbon. I further certify that all samples and analyses submitted are representative of the subject spent carbon in accordance with the procedures established in 40 CFR 261 Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize Siemens Water Technologies to obtain a sample from any waste shipment for purposes of confirmation or further investigation. If I am a consultant signing on behalf of the generator, I have their proper approval.

James F. Trotter
Printed Name

James F. Trotter
Signature

Site Manager
Title

6/22/07
Date

For Internal Use Only

Profile Approval Number

Valid Through

COP0016053

SECOR

SECOR INTERNATIONAL INCORPORATED
7730 Southwest Mohawk Street
Tualatin, Oregon 97062
503-691-2030 TEL / 503-692-7074 FAX
www.secor.com

letter of transmittal

attention: Mr. Eric DeBerry

date: January 8, 2008

company: Industrial Source Control Division
Water Pollution Control

address: 6543 N. Burlington Avenue
Portland, OR 97203-5452

project: ConocoPhillips-Chevron Remediation Site, Willbridge Terminal

job no.: 15CP.00922.43 Permit No. 500.015

re: Discharge Monitoring Report – December 2007

enclosed:

( )	Proposal	( )	As Requested
( )	Contract	( )	Review
(X)	Report	(X)	Your Information
( )	Letter	( )	Approval
( )	Other:	( )	Signature
		( )	Return
		( )	Other:

Mr. DeBerry:

Water samples were collected by a representative of Delta Environmental Consultants Inc. on December 17, 2007. Grab samples were collected by discharging water from sample ports on the process piping directly into laboratory prepared containers. The sample containers were sealed, labeled, placed in a cooler with ice and transported to the project laboratory. The effluent samples were analyzed for HEM Oil and Grease (EPA Method 1664) and benzene, toluene, ethylbenzene, and xylenes (BTEX) (EPA Method 8021B). Laboratory analysis was performed by Test America Laboratories in Beaverton, Oregon. A copy of the laboratory analytical reports is attached.

The monitoring was conducted in accordance with the City of Portland Industrial Wastewater Discharge Permit No. 500.015., dated 2 October, 2007. The discharge monitoring report (DMR) is being submitted as the self-monitoring report and is attached. All parameters monitored were within the limits listed in the facility's discharge permit.

If you have any questions regarding the enclosed DMR, please feel free to contact the above at (503) 691-2030. Thank you.

signator: Norman Swanson/Jessica Eckart
title: Staff Scientist/Project Geologist

cc: Mike Noll, Noll Environmental, Inc.

COP0016054

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Tosco/Chevron Remediation Site

PERMIT NUMBER: 500.015

REPORT DUE DATE: January 15th, 2008

SAMPLING PERIOD: December 2007

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By:

Comments:

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
12/17/07	1A	GRAB

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION	MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
HEM Oil & Grease (Total) [1]	EPA 1664A	ND mg/L	4.85	N/A	N/A	
HEM Oil and Grease (Non-Polar)	APHA/EPA	mg/L		110 mg/L	N/A	
HEM Oil and Grease (Polar)	APHA/EPA	mg/L			N/A	
pH	Field Meter	6.9 SU		5.0 – 11.5	N/A	
BTEX	EPA 8021B	ND mg/L	0.0025	0.75 mg/L	N/A	
Totalized Reading	Field	12,080,900 gal		NA	N/A	

1 If the value of HEM Oil and Grease Total is greater than 110 mg/L, then the Permittee shall analyze the sample for the HEM Oil and Grease Non-Polar constituent.

I certify under penalty of law that his document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure the qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting gales information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____ Date: 1/10/08

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

December 28, 2007

Brian Pletcher
Delta Consultants - Tigard
7150 SW Hampton - Suite 220
Tigard, OR 97223

RE: Willbridge Terminal -Conoco Phillips

Enclosed are the results of analyses for samples received by the laboratory on 12/19/07 13:20. The following list is a summary of the Work Orders contained in this report, generated on 12/28/07 17:38.

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

Work Order	Project	ProjectNumber
PQL0748	Willbridge Terminal -Conoco	ORZ0922-GW7

TestAmerica Portland

Sarah Rockwell

Sarah Rockwell For Christina Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.

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BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Delta Consultants - Tigard	Project Name:	**Willbridge Terminal -Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922-GW7	Report Created:
Tigard, OR 97223	Project Manager:	Brian Pletcher	12/28/07 17:38

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
POST	PQL0748-01	Water	12/17/07 12:00	12/19/07 13:20

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Sarah Rockwell

Sarah Rockwell For Christina Woodcock, Project Manager

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Delta Consultants - Tigard	Project Name:	**Willbridge Terminal -Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922-GW7	Report Created:
Tigard, OR 97223	Project Manager:	Brian Pletcher	12/28/07 17:38

BTEX per EPA Method 8021B

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0748-01 (POST)		**Water**			**Sampled: 12/17/07 12:00**					
Benzene	EPA 8021B	ND	-----	0.500	ug/l	1x	7120813	12/20/07 09:40	12/20/07 13:08	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (PID)			*93.5%*		*70 - 130%*	"			"	

TestAmerica Portland

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Delta Consultants - Tigard	Project Name:	**Willbridge Terminal -Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922-GW7	Report Created:
Tigard, OR 97223	Project Manager:	Brian Pletcher	12/28/07 17:38

Oil and Grease Analysis per EPA Method 1664

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0748-01 (POST)		**Water**			**Sampled: 12/17/07 12:00**					
Oil & Grease	EPA 1664	ND	-----	4.85	mg/l	1x	7120980	12/27/07 13:00	12/28/07 07:19	

TestAmerica Portland

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Delta Consultants - Tigard	Project Name:	**Willbridge Terminal -Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922-GW7	Report Created:
Tigard, OR 97223	Project Manager:	Brian Pletcher	12/28/07 17:38

BTEX per EPA Method 8021B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120813 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7120813-BLK1)								**Extracted: 12/20/07 09:40**						
Benzene	EPA 8021B	ND	---	0.500	ug/l	1x	--	--	--	--	--	--	12/20/07 10:36	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 91.2%*		*Limits: 70-130%*		"							*12/20/07 10:36*	
LCS (7120813-BS1)								**Extracted: 12/20/07 09:40**						
Benzene	EPA 8021B	17.5	---	0.500	ug/l	1x	--	20.0	87.7%	(75-125)	--	--	12/20/07 10:09	
Toluene	"	17.8	---	0.500	"	"	--	"	89.1%	(80-120)	--	--	"	
Ethylbenzene	"	18.7	---	0.500	"	"	--	"	93.7%	(80-130)	--	--	"	
Xylenes (total)	"	55.6	---	1.00	"	"	--	60.0	92.7%	"	--	--	"	
o-Xylene	"	19.0	---	1.00	"	"	--	20.0	94.8%	"	--	--	"	
m,p-Xylene	"	36.7	---	1.00	"	"	--	40.0	91.7%	"	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 92.7%*		*Limits: 70-130%*		"							*12/20/07 10:09*	

TestAmerica Portland

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Delta Consultants - Tigard	Project Name:	**Willbridge Terminal -Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922-GW7	Report Created:
Tigard, OR 97223	Project Manager:	Brian Pletcher	12/28/07 17:38

Oil and Grease Analysis per EPA Method 1664 - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120980 **Water Preparation Method: O&G prep CE**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7120980-BLK1)								**Extracted: 12/27/07 11:30**						
Oil & Grease	EPA 1664	ND	---	5.00	mg/l	1x	--	--	--	--	--	--	12/28/07 07:19	
LCS (7120980-BS1)								**Extracted: 12/27/07 11:30**						
Oil & Grease	EPA 1664	34.3	---		mg/l	1x	--	40.0	85.8%	(78-114)	--	--	12/28/07 07:20	

TestAmerica Portland

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ph: (503) 906.9200 fax: (503) 906.9210

Delta Consultants - Tigard	Project Name:	**Willbridge Terminal -Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	ORZ0922-GW7	Report Created:
Tigard, OR 97223	Project Manager:	Brian Pletcher	12/28/07 17:38

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Sarah Rockwell

Sarah Rockwell For Christina Woodcock, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
[illegible] FAX [illegible]

CHAIN OF CUSTODY REPORT

Work Order #: PQL0748

CLIENT: Delta

REPORT TO: 7150 SW Hampton #220, 97223
ADDRESS: Brian Pletcher

PHONE: 503 639 8098 FAX: 7619

INVOICE TO: Delta

P.O. NUMBER:

PROJECT NAME: OR20922OM

PROJECT NUMBER: COPWB

SAMPLED BY: NW VT / CNS

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: 10 (STD) | 7 | 5 | 4 | 3 | 2 | 1 | < 1

Petroleum Hydrocarbon Analyses: X (STD) | 4 | 3 | 2 | 1 | < 1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE

REQUESTED ANALYSES

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE TIME	BTEX EPA 8020	OIL/Grease EPA/APHA 1664	MATRIX (W, S, O)	# OF CONT.	LOCATION COMMENTS	TA WO ID
1	POST	12/17/07, 1200	X	X	W	3	pH=6.9 totalizer → 12,091,120	
2								
3								
4								
5								
6								
7								
8								
9								
10								

RELEASED BY: Nolan Lewis		DATE: 12/18/07	RECEIVED BY:		TAP	DATE: 12-19-07
PRINT NAME: Nolan Lewis	FIRM: Delta	TIME: 0900	PRINT NAME:			TIME: 1000
RELEASED BY:		DATE: 12-19-07	RECEIVED BY:			DATE: 12/19/07
PRINT NAME:	FIRM: TAP	TIME: 1320	PRINT NAME: Jamie Ireland		FIRM: TAP	TIME: 13:20

ADDITIONAL REMARKS:

TEMP: 0.5

PAGE 1 OF 1

COC REV 09 2004

COP0016063

TestAmerica Sample Receipt Checklist

Cooler ID(s):

Received by: *(section A)*
Date: 12/19/07
Time: 3:20
Initials: JI

Unpacked by: *(section B)*
Date: 12/19/07
Initials: JI

Logged-in by:
Date: 12/19/07
Initials: DB

Work Order No. PQL0748
Client: Delta
Project: COPWB

Temperature out of range:
___Not enough Ice
___*No Ice*
___*Ice Melted*
___*W/in 4 Hours*
___*Other:*

***ESI Clients *(see Section C)*

Cooler Temperature (IR): 0.6 °C (plastic) glass NA *(oil/air samples, ESI client)* Temperature Blank: _____ °C

A

Custody Seals: (#____)

Signature: Y N Dated:_____
X None

Container Type:
1 #Cooler(s)
____#Box(s)
____None (___#Other:_____)

Coolant Type:
____Gel Ice
X Loose Ice
____None

Packing Material:
____Bubble Bags
____Styrofoam Cubbies
X None (____Other:_____)

Received from:
X TA Courier
____Senvoy
____UPS
____Fed Ex
____Client
____TDP
____DHL
____SDS
____Mid-Valley
____GS/TA
____GS/Senvoy
____Other:
_____

B

Sample Status:
(If N circled, see NOD)

General:
Intact? (Y) N
Containers Match COC? (Y) N none given
IDs Match COC? (Y) N

For Analyses Requested:
Correct Type & Preservation? (Y) N
Adequate Volume? (Y) N
Within Hold Time? (Y) N

Volatiles/ Oil Quality:
VOAs/ Syringes free of Headspace? (Y) N ~~NA~~ UE
TB on COC? (not provided) Y N ~~NA~~ UE

Metals:
HNO3 Preserved? Y N ~~NA~~
Dissolved Metals Filtered? Y N NA

C

***ESI Clients Only:

Temperature Blank: _____ °C not provided

All preserved bottles checked Y N NA *(voas/soils/all unp.)*
All preserved accordingly? Y N *(see NOD)* NA *(voas/soils/all unp.)*

FED EX/ UPS Was the tracking paper keepable? YES NO

If circled NO, what is the Tracking number? _____

FED EX Goldstreak UPS DHL Other: _____

Project Managers:

Comments: _____

PM Reviewed: _____ *(Initial/Date)*

COP0016064

Generator's Nonhazardous Waste Profile Sheet

0922

WASTE MANAGEMENT

Requested Disposal Facility _____ Profile Number WASTE MGT.

☐ Renewal for Profile Number _____ Waste Approval Expiration Date _____

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: ConocoPhillips
2. Site Address: 5528 NW Doane Ave
3. City/ZIP: Portland 97210
4. State: Oregon
5. County: Multnomah
6. Contact Name/Title: Mr. Mike Noll
7. Email Address: Michael.D.Noll@conocophillips.com
8. Phone: 360.794.9523 9. FAX: _____
10. NAICS Code: _____
11. Generator USEPA ID #: _____
12. State ID# (if applicable): _____

B. Customer Information ☐ **same as above** P. O. Number: _____

1. Customer Name: _____
2. Billing Address: _____
3. City, State and ZIP: _____
4. Contact Name: _____
5. Contact Email: _____
6. Phone: _____ FAX: _____
7. Transporter Name: _____
8. Transporter ID # (if appl.): _____
9. Transporter Address: _____
10. City, State and ZIP: _____

C. Waste Stream Information

1. DESCRIPTION
   a. Common Waste Name: Well installation soil cuttings, spent carbon from remediation system
   State Waste Code(s): _____
   b. Describe Process Generating Waste or Source of Contamination:
   well installation soil cuttings and spent carbon from remediation system - petroleum hydrocarbon remediation system at bulk distribution facility
   c. Typical Color(s): Grey, brown, black
   d. Strong Odor? ☐ Yes ☒ No Describe: _____
   e. Physical State at 70°F: ☒ Solid ☐ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other: _____
   f. Layers? ☐ Single layer ☒ Multi- layer ☐ NA
   g. Water Reactive? ☐ Yes ☒ No If Yes, Describe: _____
   h. Free Liquid Range (%): _____ to _____ ☒ NA(solid)
   i. pH Range: ☐ ≤2 ☒ 2.1-12.4 ☐ ≥12.5 ☐ NA(solid) ☐ Actual: _____
   j. Liquid Flash Point: ☐ < 140°F ☐ ≥ 140°F ☒ NA(solid) ☐ Actual: _____
   k. Flammable Solid: ☐ Yes ☒ No
   l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☒ (See Attached)

Constituents *(Total Composition Must be > 100%)*	Lower Range	Unit of Measure	Upper Range	Unit of Measure
1. Soil				
2. Carbon				
3.				
4.				
5.				
6.				

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION
   a. ☒ Event ☐ Base/Ongoing (Check One)
   b. Estimated Annual Quantity: 45 ☐ Tons ☐ Cubic Yards ☒ Drums ☐ Gallons ☐ Other (specify): _____
   c. Shipping Frequency: _____ Units per ☐ Month ☐ Quarter ☐ Year ☒ One Time ☐ Other
   d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☐ No
   e. USDOT Shipping Description (if applicable): _____
3. SAFETY REQUIREMENTS (Handling, PPE, etc.): _____

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Generator's Nonhazardous Waste Profile Sheet

WASTE MANAGEMENT

D. Regulatory Status (Please check appropriate responses)

1. Is this a USEPA (40 CFR Part 261)/State hazardous waste? If yes, contact your sales representative. ☐ Yes ☒ No
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☒ No
   - ☐ Delisted Hazardous Waste
   - ☐ Excluded Wastes Under 40 CFR 261.4
   - ☐ Treated Hazardous Waste Debris
   - ☐ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☐ Yes ☐ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☒ No
   a. If yes, is disposal regulated by the Nuclear Regulatory Commission? n/a ☐ Yes ☐ No
   b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? n/a ☐ Yes ☐ No
5. Does the waste represented by this waste profile sheet contain concentrations of regulated Polychlorinated Biphenyls (PCBs)? ☐ Yes ☒ No
   a. If yes, is disposal regulated under TSCA? n/a ☐ Yes ☐ No
6. Does the waste contain untreated, regulated, medical or infectious waste? ☐ Yes ☒ No
7. Does the waste contain asbestos? ☐ Yes ☒ No If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☒ No
   If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☒ No

E. Generator Certification (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the Contractor if applicable).
5. Check all that apply:
   - ☒ Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: BTEX, RBDMVOCS, TCLP lead, Gasoline, PAHs, Diesel # Pages: _____
   - ☐ Only the analyses identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
   - ☐ Additional information necessary to characterize the profiled waste has been attached (other than analytical). Indicate the number of attached pages: _____
   - ☐ I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.
   - ☐ By Generator process knowledge, the following waste is not a listed waste and is below all TCLP regulatory limits.

Certification Signature: Steve Adams **Title:** Maint. Coord.

Company Name: Conoco Phillips **Name (Print):** Steve Adams

Date: 1-28-08

FOR WM USE ONLY

Management Method: ☐ Landfill ☐ Bioremediation ☐ Non-hazardous solidification ☐ Other: _____

Approval Decision: ☐ Approved ☐ Not Approved

Waste Approval Expiration Date: _____

Management Facility Precautions, Special Handling Procedures or Limitation on approval:

_____

_____

- ☐ Shall not contain free liquid
- ☐ Shipment must be scheduled into disposal facility
- ☐ Approval Number must accompany each shipment
- ☐ Waste Manifest must accompany load

WM Authorization Name / Title: _____ **Date:** _____

State Authorization (if Required): _____ **Date:** _____

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Generator's Nonhazardous Waste Profile Sheet

WM WASTE MANAGEMENT

Requested Disposal Facility _____ Profile Number
☐ Renewal for Profile Number _____ Waste Approval Expiration Date _____

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: ConocoPhillips
2. Site Address: 5528 NW Doane Ave
3. City/ZIP: Portland 97210
4. State: Oregon
5. County: Multnomah
6. Contact Name/Title: Mr. Mike Noll
7. Email Address: Michael.D.Noll@conocophillips.com
8. Phone: 360.794.9523 9. FAX: _____
10. NAICS Code: _____
11. Generator USEPA ID #: _____
12. State ID# (if applicable): _____

B. Customer Information ☐ **same as above** P. O. Number: _____

1. Customer Name: _____
2. Billing Address: _____
3. City, State and ZIP: _____
4. Contact Name: _____
5. Contact Email: _____
6. Phone: _____ FAX: _____
7. Transporter Name: _____
8. Transporter ID # (if appl.): _____
9. Transporter Address: _____
10. City, State and ZIP: _____

C. Waste Stream Information

1. DESCRIPTION
   a. Common Waste Name: Well installation soil cuttings, spent carbon from remediation system
   State Waste Code(s): _____
   b. Describe Process Generating Waste or Source of Contamination:
   well installation soil cuttings and spent carbon from remediation system - petroleum hydrocarbon remediation system at bulk distribution facility
   c. Typical Color(s): Grey, brown, black
   d. Strong Odor? ☐ Yes ☒ No Describe: _____
   e. Physical State at 70°F: ☒ Solid ☐ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other: _____
   f. Layers? ☐ Single layer ☒ Multi- layer ☐ NA
   g. Water Reactive? ☐ Yes ☒ No If Yes, Describe: _____
   h. Free Liquid Range (%): _____ to _____ ☒ NA(solid)
   i. pH Range: ☐ ≤2 ☒ 2.1-12.4 ☐ ≥12.5 ☐ NA(solid) ☐ Actual: _____
   j. Liquid Flash Point: ☐ < 140°F ☐ ≥ 140°F ☒ NA(solid) ☐ Actual: _____
   k. Flammable Solid: ☐ Yes ☒ No
   l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☒ (See Attached)

Constituents (Total Composition Must be = 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Measure
1. Soil				
2. Carbon				
3.				
4.				
5.				
6.				

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION
   a. ☒ Event ☐ Base/Ongoing (Check One)
   b. Estimated Annual Quantity: 45 ☐ Tons ☐ Cubic Yards ☒ Drums ☐ Gallons ☐ Other (specify): _____
   c. Shipping Frequency: _____ Units per ☐ Month ☐ Quarter ☐ Year ☒ One Time ☐ Other
   d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☐ No
   e. USDOT Shipping Description (if applicable): _____
3. SAFETY REQUIREMENTS (Handling, PPE, etc.): _____

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COP0016067

Generator's Nonhazardous Waste Profile Sheet

D. Regulatory Status (Please check appropriate responses)

1. Is this a USEPA (40 CFR Part 261)/State hazardous waste? If yes, contact your sales representative. ☐ Yes ☒ No
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☒ No
   - ☐ Delisted Hazardous Waste
   - ☐ Excluded Wastes Under 40 CFR 261.4
   - ☐ Treated Hazardous Waste Debris
   - ☐ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☐ Yes ☐ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☒ No
   a. If yes, is disposal regulated by the Nuclear Regulatory Commission? n/a ☐ Yes ☐ No
   b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? n/a ☐ Yes ☐ No
5. Does the waste represented by this waste profile sheet contain concentrations of regulated Polychlorinated Biphenyls (PCBs)? ☐ Yes ☒ No
   a. If yes, is disposal regulated under TSCA? n/a ☐ Yes ☐ No
6. Does the waste contain untreated, regulated, medical or infectious waste? ☐ Yes ☒ No
7. Does the waste contain asbestos? ☐ Yes ☒ No If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☒ No
   If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☒ No

E. Generator Certification (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the Contractor if applicable).
5. Check all that apply:
   - ☒ Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: BTEX, RBDMVOCs, TCLP lead, Gasoline, PAHs, Diesel # Pages: _____
   - ☐ Only the analyses identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
   - ☐ Additional information necessary to characterize the profiled waste has been attached (other than analytical). Indicate the number of attached pages: _____
   - ☐ I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.
   - ☐ By Generator process knowledge, the following waste is not a listed waste and is below all TCLP regulatory limits.

Certification Signature: Steve Adams **Title:** Maint. Coord.

Company Name: Conoco Phillips **Name (Print):** Steve Adams

Date: 1-28-08

FOR WM USE ONLY

Management Method: ☐ Landfill ☐ Bioremediation **Approval Decision:** ☐ Approved ☐ Not Approved

☐ Non-hazardous solidification ☐ Other: _____ Waste Approval Expiration Date: _____

Management Facility Precautions, Special Handling Procedures or Limitation on approval:

_____

_____

☐ Shall not contain free liquid

☐ Shipment must be scheduled into disposal facility

☐ Approval Number must accompany each shipment

☐ Waste Manifest must accompany load

WM Authorization Name / Title: _____ **Date:** _____

State Authorization (if Required): _____ **Date:** _____

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Hillsboro Landfill, Inc.

3205 SE MINTER BRIDGE ROAD HILLSBORO, OR 97123

PERMIT # 101016OR

Tracking Number 11676

PERMIT TO DISPOSE OF NON-HAZARDOUS MATERIALS

This permit authorizes disposal of Customer's waste materials in accordance with the Industrial Waste & Disposal Services Agreement dated *National*.

EXPIRES: 5/7/08

GENERATOR: CONOCOPHILLIPS

DESCRIPTION: *WELL INSTALLATION SOIL CUTTINGS AND CARBON*	**TONS:** *20*
☒ **SPECIAL WASTE** ☐ **CS** ☐ **C&D** ☐ **CLEAN-UP**	
LOCATION: *PORTLAND, OREGON 5528 NW DOANE AVE*	**COUNTY:** *Multnomah*
CONTACT: *JESSICA ECKART*	**PHONE:** *503-691-2030*
	FAX: *503-692-7074*

BILLING: *Landfill account CONOCOPHILLIPS*	**PO#:** *N/A*	**JOB#:** *N/A*

We accept business checks, cash, VISA / Mastercard or charge(with prior approval)

SPECIAL HANDLING : *NOTE: NO FREE LIQUIDS*
MK **TyT**

APPROVED: KC	*KRISTIN CASTNER*	DATE: *02/11/08 10:06:02 AM*

A COPY OF THIS PERMIT MUST BE SHOWN BY EACH DRIVER

THERE IS A MINIMUM CHARGE OF $50-$60 FOR EACH LOAD OF SPECIAL WASTE

WASTE MANAGEMENT

HAZARDOUS WASTE IS STRICTLY PROHIBITED

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

February 06, 2008

Jessica Eckart
Secor
7730 SW Mohawk Street
Tualatin, OR 97062

RE: Conoco Phillips

Enclosed are the results of analyses for samples received by the laboratory on 01/14/08 16:30. The following list is a summary of the Work Orders contained in this report, generated on 02/06/08 15:26.

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

Work Order	Project	ProjectNumber
PRA0372	Conoco Phillips	0922 Portland Terminal (COP)

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
1-08-00RS-1	PRA0372-01	Other dry	01/14/08 13:50	01/14/08 16:30
1-08-00RS-2	PRA0372-02	Soil	01/14/08 14:00	01/14/08 16:30
1-08-00RS-11	PRA0372-03	Soil	01/14/08 13:50	01/14/08 16:30
1-08-00RS-22	PRA0372-04	Soil	01/14/08 14:00	01/14/08 16:30

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Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Gasoline Hydrocarbons per NW TPH-Gx Method

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-02 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					**Q8**
Gasoline Range Hydrocarbons	NW TPH-Gx	**133**	-----	9.49	mg/kg dry	1x	8010536	01/16/08 15:00	01/16/08 15:49	
Surrogate(s): a,a,a-TFT			*38.3%*		*50 - 150 %*	"			"	*Z*
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					**Q8**
Gasoline Range Hydrocarbons	NW TPH-Gx	**105**	-----	8.08	mg/kg dry	1x	8010536	01/16/08 15:00	01/16/08 16:16	
Surrogate(s): a,a,a-TFT			*48.4%*		*50 - 150 %*	"			"	*Z*
PRA0372-04 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					**Q8**
Gasoline Range Hydrocarbons	NW TPH-Gx	**120**	-----	9.26	mg/kg dry	1x	8010536	01/16/08 15:00	01/16/08 16:44	
Surrogate(s): a,a,a-TFT			*47.7%*		*50 - 150 %*	"			"	*Z*

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method

TestAmerica Portland

Analyte	Method	Result	MDL^A	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-02 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					
Diesel Range Organics	NWTPH-Dx	**2320**	-----	155	mg/kg dry	5x	8010606	01/18/08 11:30	01/21/08 09:57	Q9
Heavy Oil Range Hydrocarbons	"	**501**	-----	309	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*32.1%*		*50 - 150 %*	"			"	ZX
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
Diesel Range Organics	NWTPH-Dx	**6480**	-----	25.4	mg/kg dry	1x	8010606	01/18/08 11:30	01/18/08 21:29	Q9
Heavy Oil Range Hydrocarbons	"	**1380**	-----	50.9	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*49.8%*		*50 - 150 %*	"			"	ZX
PRA0372-04 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					
Diesel Range Organics	NWTPH-Dx	**8760**	-----	29.3	mg/kg dry	1x	8010606	01/18/08 11:30	01/18/08 21 49	Q9
Heavy Oil Range Hydrocarbons	"	**1850**	-----	58.6	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*32.9%*		*50 - 150 %*	"			"	ZX

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Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Total Metals per EPA 6000/7000 Series Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-02 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					
Arsenic	EPA 6020	**135**	-----	1.21	mg/kg dry	1x	8010638	01/18/08 14:54	01/19/08 11:01	
Barium	"	**485**	-----	1.21	"	"	"	"	01/19/08 19:59	
Cadmium	"	ND	-----	1.21	"	"	"	"	01/19/08 11:01	
Chromium	"	**13.2**	-----	1.21	"	"	"	"	"	
Lead	"	**5.89**	-----	1.21	"	"	"	"	"	
Selenium	"	ND	-----	1.21	"	"	"	"	"	
Silver	"	ND	-----	1.21	"	"	"	"	"	
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
Arsenic	EPA 6020	**133**	-----	1.02	mg/kg dry	1x	8010638	01/18/08 14:54	01/19/08 11:16	
Barium	"	**396**	-----	1.02	"	"	"	"	01/19/08 20:14	
Cadmium	"	ND	-----	1.02	"	"	"	"	01/19/08 11:16	
Chromium	"	**14.8**	-----	1.02	"	"	"	"	"	
Lead	"	**5.76**	-----	1.02	"	"	"	"	"	
Selenium	"	ND	-----	1.02	"	"	"	"	"	
Silver	"	ND	-----	1.02	"	"	"	"	"	
PRA0372-04 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					
Arsenic	EPA 6020	**123**	-----	1.24	mg/kg dry	1x	8010638	01/18/08 14:54	01/19/08 11:39	
Barium	"	**440**	-----	1.24	"	"	"	"	01/19/08 20:36	
Cadmium	"	ND	-----	1.24	"	"	"	"	01/19/08 11:39	
Chromium	"	**14.5**	-----	1.24	"	"	"	"	"	
Lead	"	**9.53**	-----	1.24	"	"	"	"	"	
Selenium	"	ND	-----	1.24	"	"	"	"	"	
Silver	"	ND	-----	1.24	"	"	"	"	"	

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Christina Woodcock, Project Manager

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

TCLP Metals per EPA 1311/6000/7000 Series Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-01 (1-08-00RS-1)		**Other dry**			**Sampled: 01/14/08 13:50**					
Lead	1311/6020	ND	-----	0.0500	mg/l	1x	8010545	01/16/08 15:29	01/17/08 18:34	
PRA0372-02 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					
Arsenic	1311/6020	ND	-----	0.0500	mg/l	1x	8020024	02/01/08 14:50	02/06/08 01:59	
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
Arsenic	1311/6020	ND	-----	0.0500	mg/l	1x	8010643	01/18/08 16:52	01/19/08 08:20	
Lead	"	ND	-----	0.0500	"	"	"	"	"	
PRA0372-04 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					
Arsenic	1311/6020	ND	-----	0.0500	mg/l	1x	8020024	02/01/08 14:50	02/06/08 02:14	

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Christina M. Woodcock

Christina Woodcock, Project Manager

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Total Mercury per EPA Method 7471A

TestAmerica Portland

Analyte	Method	Result	MDL[a]	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-02 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					
Mercury	EPA 7471A	ND	-----	0.121	mg/kg dry	1x	8010607	01/18/08 08:23	01/18/08 11:21	
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
Mercury	EPA 7471A	ND	-----	0.155	mg/kg dry	1x	8010607	01/18/08 08:23	01/18/08 11:23	
PRA0372-04 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					
Mercury	EPA 7471A	ND	-----	0.149	mg/kg dry	1x	8010607	01/18/08 08:23	01/18/08 11:25	

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Christina Woodcock, Project Manager

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
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Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-02RE1 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					
Benzene	EPA 8260B	ND	-----	47.5	ug/kg dry	1x	8010916	01/25/08 16:39	01/25/08 22:41	
Toluene	"	ND	-----	119	"	"	"	"	"	
Ethylbenzene	"	ND	-----	119	"	"	"	"	"	
Xylenes (total)	"	ND	-----	237	"	"	"	"	"	
Methyl tert-butyl ether	"	**159**	-----	94.9	"	"	"	"	"	
Surrogate(s): 4-BFB		*103%*			*75 - 125 %*	*0.01x*			"	
1,2-DCA-d4		*83.0%*			*75 - 125 %*	"			"	
Dibromofluoromethane		*87.6%*			*75 - 125 %*	"			"	
Toluene-d8		*96.8%*			*75 - 125 %*	"			"	
PRA0372-03RE1 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
Benzene	EPA 8260B	ND	-----	40.4	ug/kg dry	1x	8010916	01/25/08 16:39	01/25/08 23:08	
Toluene	"	ND	-----	101	"	"	"	"	"	
Ethylbenzene	"	ND	-----	101	"	"	"	"	"	
Xylenes (total)	"	ND	-----	202	"	"	"	"	"	
Methyl tert-butyl ether	"	**95.0**	-----	80.8	"	"	"	"	"	
Surrogate(s): 4-BFB		*104%*			*75 - 125 %*	*0.01x*			"	
1,2-DCA-d4		*82.4%*			*75 - 125 %*	"			"	
Dibromofluoromethane		*88.0%*			*75 - 125 %*	"			"	
Toluene-d8		*98.0%*			*75 - 125 %*	"			"	
PRA0372-04RE1 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					
Benzene	EPA 8260B	ND	-----	46.3	ug/kg dry	1x	8010916	01/25/08 16:39	01/25/08 23:36	
Toluene	"	ND	-----	116	"	"	"	"	"	
Ethylbenzene	"	ND	-----	116	"	"	"	"	"	
Xylenes (total)	"	ND	-----	232	"	"	"	"	"	
Methyl tert-butyl ether	"	**106**	-----	92.6	"	"	"	"	"	
Surrogate(s): 4-BFB		*104%*			*75 - 125 %*	*0.01x*			"	
1,2-DCA-d4		*78.0%*			*75 - 125 %*	"			"	
Dibromofluoromethane		*86.3%*			*75 - 125 %*	"			"	
Toluene-d8		*97.0%*			*75 - 125 %*	"			"	

TestAmerica Portland

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Polynuclear Aromatic Compounds per EPA 8270M-SIM

TestAmerica Portland

Analyte	Method	Result	MDL^	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					**RL3**
Acenaphthene	EPA 8270m	**1340**	-----	273	ug/kg dry	10x	8010501	01/16/08 15:45	01/17/08 16:43	
Acenaphthylene	"	ND	-----	1360	"	50x	"	"	01/17/08 11:11	**RL1**
Anthracene	"	**1630**	-----	273	"	10x	"	"	01/17/08 16:43	
Benzo (a) anthracene	"	**320**	-----	273	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	273	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	273	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	273	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	273	"	"	"	"	"	
Chrysene	"	**597**	-----	273	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	-----	273	"	"	"	"	"	
Fluoranthene	"	**528**	-----	273	"	"	"	"	"	
Fluorene	"	**2290**	-----	273	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	273	"	"	"	"	"	
Naphthalene	"	ND	-----	1360	"	50x	"	"	01/17/08 11:11	**RL1**
Phenanthrene	"	**5350**	-----	273	"	10x	"	"	01/17/08 16:43	
Pyrene	"	**1680**	-----	273	"	"	"	"	"	
Surrogate(s):	*Fluorene-d10*		*NR*		*24 - 125 %*	"			"	*Z9*
	Pyrene-d10		*62.5%*		*41 - 141 %*	"			"	
	Benzo (a) pyrene-d12		*85.2%*		*38 - 143 %*	"			"	

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

TCLP Extraction Only

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-01 (1-08-00RS-1)		**Other dry**			**Sampled: 01/14/08 13:50**					
Extraction	EPA 1311	ND	-----	1.00	N/A	1x	8010498	01/15/08 21:15	01/16/08 15:21	
PRA0372-02 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					
Extraction	EPA 1311	ND	-----	1.00	N/A	1x	8011114	01/31/08 19:04	02/01/08 15:45	
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
Extraction	EPA 1311	ND	-----	1.00	N/A	1x	8010600	01/17/08 20:39	01/18/08 16:14	
PRA0372-04 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					
Extraction	EPA 1311	ND	-----	1.00	N/A	1x	8011114	01/31/08 19:04	02/01/08 15:45	

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Percent Dry Weight (Solids) per Standard Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-02 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					
% Solids	NCA SOP	41.4	-----	0.0100	% by Weight	1x	8010544	01/16/08 15:04	01/16/08 15:04	
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
% Solids	NCA SOP	49.0	-----	0.0100	% by Weight	1x	8010544	01/16/08 15:04	01/16/08 15:04	
PRA0372-04 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					
% Solids	NCA SOP	42.1	-----	0.0100	% by Weight	1x	8010544	01/16/08 15:04	01/16/08 15:04	

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Gasoline Hydrocarbons per NW TPH-Gx Method - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010536 **Soil Preparation Method: EPA 5035 Modified**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010536-BLK1)								Extracted: 01/16/08 13:30						
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	---	3.82	mg/kg wet	1x	--	--	--	--	--	--	01/16/08 14:37	
Surrogate(s): a,a,a-TFT		*Recovery: 94.8%*			*Limits: 50-150%*	"							*01/16/08 14:37*	
LCS (8010536-BS1)								Extracted: 01/16/08 13:30						
Gasoline Range Hydrocarbons	NW TPH-Gx	21.4	---	3.85	mg/kg wet	1x	--	24.0	89.2%	(70-130)	--	--	01/16/08 14:09	
Surrogate(s): a,a,a-TFT		*Recovery: 98.0%*			*Limits: 50-150%*	"							*01/16/08 14:09*	
Duplicate (8010536-DUP1)					QC Source: PQK0032-01			Extracted: 01/16/08 13:30						
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	---	4.85	mg/kg dry	1x	ND	--	--	--	NR	(40)	01/18/08 10:52	
Surrogate(s): a,a,a-TFT		*Recovery: 85.6%*			*Limits: 50-150%*	"							*01/18/08 10:52*	
Matrix Spike (8010536-MS1)					QC Source: PQK0032-03			Extracted: 01/16/08 13:30						M8
Gasoline Range Hydrocarbons	NW TPH-Gx	14.8	---	4.19	mg/kg dry	1x	1.14	26.2	52.2%	(65-130)	--	--	01/18/08 11:20	
Surrogate(s): a,a,a-TFT		*Recovery: 90.9%*			*Limits: 50-150%*	"							*01/18/08 11:20*	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method - Laboratory Quality Control Results

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QC Batch: 8010606 **Soil Preparation Method: EPA 3550 Fuels**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010606-BLK1)								Extracted: 01/18/08 11:30						
Diesel Range Organics	NWTPH-Dx	ND	---	12.5	mg/kg wet	1x	--	--	--	--	--	--	01/18/08 15:34	
Heavy Oil Range Hydrocarbons	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 82.5%*			*Limits: 50-150%*	"							*01/18/08 15:34*	
LCS (8010606-BS1)								Extracted: 01/18/08 11:30						
Diesel Range Organics	NWTPH-Dx	122	---	12.5	mg/kg wet	1x	--	125	97.1%	(50-150)	--	--	01/18/08 15:54	
Heavy Oil Range Hydrocarbons	"	76.9	---	25.0	"	"	--	75.2	102%	"	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 98.1%*			*Limits: 50-150%*	"							*01/18/08 15:54*	
Duplicate (8010606-DUP1)					QC Source: PRA0372-02			Extracted: 01/18/08 11:30						
Diesel Range Organics	NWTPH-Dx	3210	---	153	mg/kg dry	5x	2320	--	--	--	32.5%	(40)	01/21/08 09:40	Q9
Heavy Oil Range Hydrocarbons	"	705	---	306	"	"	501	--	--	--	33.9%	"	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 12.5%*			*Limits: 50-150%*	"							*01/21/08 09:40*	*ZX*
Duplicate (8010606-DUP2)					QC Source: PRA0479-01			Extracted: 01/18/08 11:30						
Diesel Range Organics	NWTPH-Dx	ND	---	16.9	mg/kg dry	1x	23.6	--	--	--	50.1%	(40)	01/18/08 16:14	R3
Heavy Oil Range Hydrocarbons	"	36.2	---	33.8	"	"	65.5	--	--	--	57.7%	"	"	R3
Surrogate(s): 1-Chlorooctadecane		*Recovery: 87.9%*			*Limits: 50-150%*	"							*01/18/08 16:14*	
Matrix Spike (8010606-MS1)					QC Source: PQK0032-03			Extracted: 01/18/08 11:30						
Diesel Range Organics	NWTPH-Dx	118	---	14.0	mg/kg dry	1x	ND	141	83.8%	(50-150)	--	--	01/18/08 16:34	
Heavy Oil Range Hydrocarbons	"	78.5	---	28.1	"	"	ND	84.4	92.9%	"	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 83.5%*			*Limits: 50-150%*	"							*01/18/08 16:34*	
Matrix Spike Dup (8010606-MSD1)					QC Source: PQK0032-03			Extracted: 01/18/08 11:30						
Diesel Range Organics	NWTPH-Dx	117	---	13.9	mg/kg dry	1x	ND	139	83.9%	(50-150)	1.05%	(40)	01/18/08 16:54	
Heavy Oil Range Hydrocarbons	"	76.4	---	27.7	"	"	ND	83.5	91.5%	"	2.67%	"	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 82.3%*			*Limits: 50-150%*	"							*01/18/08 16:54*	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010638 **Soil Preparation Method: EPA 3050**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010638-BLK1)								Extracted: 01/18/08 14:54						
Arsenic	EPA 6020	ND	---	0.495	mg/kg wet	1x	--	--	--	--	--	--	01/19/08 10:05	
Barium	"	ND	---	0.495	"	"	--	--	--	--	--	--	01/19/08 19:07	
Cadmium	"	ND	---	0.495	"	"	--	--	--	--	--	--	01/19/08 10:05	
Chromium	"	ND	---	0.495	"	"	--	--	--	--	--	--	"	
Lead	"	ND	---	0.495	"	"	--	--	--	--	--	--	"	
Selenium	"	ND	---	0.495	"	"	--	--	--	--	--	--	"	
Silver	"	ND	---	0.495	"	"	--	--	--	--	--	--	"	
LCS (8010638-BS1)								Extracted: 01/18/08 14:54						
Arsenic	EPA 6020	11.2	---	0.476	mg/kg wet	1x	--	9.52	118%	(80-120)	--	--	01/19/08 10:12	
Barium	"	9.59	---	0.476	"	"	--	"	101%	"	--	--	01/19/08 19:14	
Cadmium	"	10.6	---	0.476	"	"	--	"	111%	"	--	--	01/19/08 10:12	
Chromium	"	10.3	---	0.476	"	"	--	"	108%	"	--	--	01/19/08 13:32	
Lead	"	10.6	---	0.476	"	"	--	"	112%	"	--	--	01/19/08 10:12	
Selenium	"	9.15	---	0.476	"	"	--	"	96.1%	"	--	--	"	
Silver	"	5.24	---	0.476	"	"	--	4.76	110%	"	--	--	"	
Duplicate (8010638-DUP1)					QC Source: PRA0270-01			Extracted: 01/18/08 14:54						
Arsenic	EPA 6020	3.09	---	0.698	mg/kg dry	1x	3.21	--	--	--	3.84%	(40)	01/19/08 10:27	
Barium	"	151	---	0.698	"	"	159	--	--	--	5.58%	"	01/19/08 19:29	
Cadmium	"	ND	---	0.698	"	"	ND	--	--	--	9.52%	"	01/19/08 10:27	
Chromium	"	22.8	---	0.698	"	"	24.1	--	--	--	5.71%	"	"	
Lead	"	4.22	---	0.698	"	"	4.50	--	--	--	6.47%	"	"	
Selenium	"	ND	---	0.698	"	"	ND	--	--	--	NR	"	"	
Silver	"	ND	---	0.698	"	"	ND	--	--	--	14.4%	"	"	
Matrix Spike (8010638-MS1)					QC Source: PRA0270-02			Extracted: 01/18/08 14:54						
Arsenic	EPA 6020	16.4	---	0.665	mg/kg dry	1x	3.52	13.3	97.0%	(75-125)	--	--	01/19/08 10:54	
Barium	"	150	---	0.665	"	"	121	"	221%	"	--	--	01/19/08 19:52	M7
Cadmium	"	14.3	---	0.665	"	"	0.132	"	106%	"	--	--	01/19/08 10:54	
Chromium	"	34.1	---	0.665	"	"	15.7	"	139%	"	--	--	"	M7
Lead	"	19.6	---	0.665	"	"	5.78	"	104%	"	--	--	"	
Selenium	"	11.7	---	0.665	"	"	ND	"	88.2%	"	--	--	"	
Silver	"	6.77	---	0.665	"	"	ND	6.65	102%	"	--	--	"	

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Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010638 **Soil Preparation Method: EPA 3050**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (8010638-MS2)				QC Source: PRA0372-02				Extracted: 01/18/08 14:54						
Arsenic	EPA 6020	139	---	1.23	mg/kg dry	1x	135	24.6	18.1%	(75-125)	--	--	01/19/08 11:09	M8
Barium	"	420	---	1.23	"	"	485	"	-262%	"	--	--	01/19/08 20:07	M8
Cadmium	"	26.9	---	1.23	"	"	0.338	"	108%	"	--	--	01/19/08 11:09	
Chromium	"	41.3	---	1.23	"	"	13.2	"	114%	"	--	--	"	
Lead	"	29.4	---	1.23	"	"	5.89	"	95.4%	"	--	--	"	
Selenium	"	21.5	---	1.23	"	"	ND	"	87.4%	"	--	--	"	
Silver	"	12.9	---	1.23	"	"	0.193	12.3	103%	"	--	--	"	

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TCLP Metals per EPA 1311/6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010545 **Other dry Preparation Method: EPA 1311/3005**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010545-BLK1)								Extracted: 01/16/08 15:29						
Lead	1311/6020	ND	---	0.0500	mg/l	1x	--	--	--	--	--	--	01/17/08 18:19	
LCS (8010545-BS1)								Extracted: 01/16/08 15:29						
Lead	1311/6020	0.193	---	0.0500	mg/l	1x	--	0.200	96.3%	(75-125)	--	--	01/17/08 18:27	
Duplicate (8010545-DUP1)				QC Source: PRA0372-01				Extracted: 01/16/08 15:29						
Lead	1311/6020	ND	---	0.0500	mg/l	1x	ND	--	--	--	NR	(20)	01/17/08 18:41	
Matrix Spike (8010545-MS1)				QC Source: PRA0372-01				Extracted: 01/16/08 15:29						
Lead	1311/6020	0.192	---	0.0500	mg/l	1x	ND	0.200	96.0%	(50-150)	--	--	01/17/08 18:56	

QC Batch: 8010643 **Soil Preparation Method: EPA 1311/3005**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010643-BLK1)								Extracted: 01/18/08 16:52						
Arsenic	1311/6020	ND	---	0.0500	mg/l	1x	--	--	--	--	--	--	01/19/08 07:20	
Lead	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
LCS (8010643-BS1)								Extracted: 01/18/08 16:52						
Arsenic	1311/6020	0.214	---	0.0500	mg/l	1x	--	0.200	107%	(75-125)	--	--	01/19/08 07:28	
Lead	"	0.176	---	0.0500	"	"	--	"	88.1%	"	--	--	"	
Duplicate (8010643-DUP1)				QC Source: PQL0744-01				Extracted: 01/18/08 16:52						
Arsenic	1311/6020	ND	---	0.0500	mg/l	1x	ND	--	--	--	5.19%	(20)	01/19/08 07:43	
Lead	"	ND	---	0.0500	"	"	ND	--	--	--	4.44%	"	"	
Matrix Spike (8010643-MS1)				QC Source: PRA0303-01				Extracted: 01/18/08 16:52						
Arsenic	1311/6020	0.229	---	0.0500	mg/l	1x	0.0188	0.200	105%	(50-150)	--	--	01/19/08 08:05	
Lead	"	0.179	---	0.0500	"	"	0.00200	"	88.6%	"	--	--	"	
Matrix Spike (8010643-MS2)				QC Source: PRA0372-03				Extracted: 01/18/08 16:52						
Arsenic	1311/6020	0.220	---	0.0500	mg/l	1x	ND	0.200	110%	(50-150)	--	--	01/19/08 08:28	
Lead	"	0.175	---	0.0500	"	"	ND	"	87.6%	"	--	--	"	
Matrix Spike (8010643-MS3)				QC Source: PRA0426-02				Extracted: 01/18/08 16:52						
Arsenic	1311/6020	0.482	---	0.0500	mg/l	1x	0.218	0.200	132%	(50-150)	--	--	01/19/08 08:57	
Lead	"	8.11	---	0.0500	"	"	7.83	"	139%	"	--	--	"	

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Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

TCLP Metals per EPA 1311/6000/7000 Series Methods - Laboratory Quality Control Results

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QC Batch: 8020024 **Soil Preparation Method: EPA 1311/3005**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8020024-BLK1)								Extracted: 02/01/08 14:50						
Arsenic	1311/6020	ND	---	0.0500	mg/l	1x	--	--	--	--	--	--	02/06/08 01 43	
LCS (8020024-BS1)								Extracted: 02/01/08 14:50						
Arsenic	1311/6020	0.216	---	0.0500	mg/l	1x	--	0 200	108%	(75-125)	--	--	02/06/08 01:51	
Duplicate (8020024-DUP1)				QC Source: PRA0372-02				Extracted: 02/01/08 14:50						
Arsenic	1311/6020	ND	---	0.0500	mg/l	1x	ND	--	--	--	NR	(20)	02/06/08 02:06	
Matrix Spike (8020024-MS1)				QC Source: PRA0372-04				Extracted: 02/01/08 14:50						
Arsenic	1311/6020	0.215	---	0.0500	mg/l	1x	ND	0.200	107%	(50-150)	--	--	02/06/08 02:29	
Matrix Spike (8020024-MS2)				QC Source: PRA0600-01				Extracted: 02/01/08 14:50						
Arsenic	1311/6020	0.216	---	0.0500	mg/l	1x	ND	0.200	108%	(50-150)	--	--	02/06/08 02 44	

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Christina M. Woodcock

Christina Woodcock, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Total Mercury per EPA Method 7471A - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010607 **Soil Preparation Method: EPA 7471A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010607-BLK1)								Extracted: 01/18/08 08:23						
Mercury	EPA 7471A	ND	---	0.100	mg/kg wet	1x	--	--	--	--	--	--	01/18/08 11:01	
LCS (8010607-BS1)								Extracted: 01/18/08 08:23						
Mercury	EPA 7471A	1.02	---	0.100	mg/kg wet	1x	--	1.00	102%	(80-120)	--	--	01/18/08 11:03	
LCS Dup (8010607-BSD1)								Extracted: 01/18/08 08:23						
Mercury	EPA 7471A	1.02	---	0.100	mg/kg wet	1x	--	1.00	102%	(80-120)	0.535%	(20)	01/18/08 11:07	
Duplicate (8010607-DUP1)				QC Source: PRA0411-01				Extracted: 01/18/08 08:23						
Mercury	EPA 7471A	ND	---	0.149	mg/kg dry	1x	ND	--	--	--	NR	(40)	01/18/08 11:10	
Matrix Spike (8010607-MS1)				QC Source: PRA0411-01				Extracted: 01/18/08 08:23						
Mercury	EPA 7471A	1.08	---	0.140	mg/kg dry	1x	ND	1.40	77.2%	(75-125)	--	--	01/18/08 11:13	
Matrix Spike Dup (8010607-MSD1)				QC Source: PRA0411-01				Extracted: 01/18/08 08:23						
Mercury	EPA 7471A	1.18	---	0.148	mg/kg dry	1x	ND	1.48	79.8%	(75-125)	9.32%	(40)	01/18/08 11:17	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010916 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010916-BLK1)								Extracted: 01/25/08 16:39						
1,2-Dibromoethane	EPA 8260B	ND	---	49.8	ug/kg wet	1x	--	--	--	--	--	--	01/25/08 21:46	
1,2-Dichloroethane	"	ND	---	49.8	"	"	--	--	--	--	--	--	"	
Benzene	"	ND	---	19.9	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	49.8	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	49.8	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	99.5	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	39.8	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	199	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	99.5	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	49.8	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	199	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	49.8	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 96.4%*			*Limits: 75-125%*	*0.01x*							*01/25/08 21:46*	
1,2-DCA-d4		*83.8%*			*75-125%*	"							"	
Dibromofluoromethane		*87.8%*			*75-125%*	"							"	
Toluene-d8		*93.9%*			*75-125%*	"							"	
LCS (8010916-BS1)								Extracted: 01/25/08 16:39						
Benzene	EPA 8260B	1990	---	19.8	ug/kg wet	1x	--	1980	101%	(81.8-125)	--	--	01/25/08 19:26	
Toluene	"	1900	---	49.6	"	"	--	"	96.0%	(80-125)	--	--	"	
Ethylbenzene	"	2170	---	49.6	"	"	--	"	109%	(80-120)	--	--	"	
Xylenes (total)	"	6520	---	99.1	"	"	--	5950	110%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	1850	---	39.6	"	"	--	1980	93.5%	(80-128)	--	--	"	
Naphthalene	"	1900	---	198	"	"	--	"	95.8%	(76.1-153)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 102%*			*Limits: 75-125%*	*0.01x*							*01/25/08 19:26*	
1,2-DCA-d4		*86.9%*			*75-125%*	"							"	
Dibromofluoromethane		*94.1%*			*75-125%*	"							"	
Toluene-d8		*96.1%*			*75-125%*	"							"	
Matrix Spike (8010916-MS1)					QC Source: PRA0592-01RE1			Extracted: 01/25/08 16:39						
Benzene	EPA 8260B	1910	---	19.9	ug/kg wet	1x	ND	1990	95.7%	(68.5-125)	--	--	01/25/08 19:55	
Toluene	"	1860	---	49.8	"	"	12.9	"	92.7%	(70.3-125)	--	--	"	
Ethylbenzene	"	2090	---	49.8	"	"	8.91	"	105%	(80-124)	--	--	"	
Xylenes (total)	"	6240	---	99.6	"	"	27.7	5980	104%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	1750	---	39.8	"	"	ND	1990	87.6%	(80-130)	--	--	"	
Naphthalene	"	1870	---	199	"	"	45.5	"	91.6%	(69-163)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 101%*			*Limits: 75-125%*	*0.01x*							*01/25/08 19:55*	
1,2-DCA-d4		*83.8%*			*75-125%*	"							"	
Dibromofluoromethane		*91.8%*			*75-125%*	"							"	
Toluene-d8		*94.8%*			*75-125%*	"							"	

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010916 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (8010916-MSD1)					QC Source: PRA0592-01RE1				Extracted: 01/25/08 16:39					
Benzene	EPA 8260B	1930	---	19.9	ug/kg wet	1x	ND	1990	96.9%	(68.5-125)	1.15%	(25)	01/25/08 20:23	
Toluene	"	1890	---	49.8	"	"	12.9	"	94.4%	(70.3-125)	1.71%	"	"	
Ethylbenzene	"	2200	---	49.8	"	"	8.91	"	110%	(80-124)	5.01%	"	"	
Xylenes (total)	"	6480	---	99.5	"	"	27.7	5970	108%	(70-130)	3.80%	"	"	
Methyl tert-butyl ether	"	1750	---	39.8	"	"	ND	1990	88.0%	(80-130)	0.356%	"	"	
Naphthalene	"	1930	---	199	"	"	45.5	"	94.6%	(69-163)	3.10%	"	"	

Surrogate(s):	*4-BFB*	*Recovery:* *105%*	*Limits:* *75-125%*	*0.01x*	*01/25/08 20:23*
	1,2-DCA-d4	*82.2%*	*75-125%*	"	"
	Dibromofluoromethane	*93.1%*	*75-125%*	"	"
	Toluene-d8	*96.7%*	*75-125%*	"	"

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Christina M. Woodcock

Christina Woodcock, Project Manager

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Polynuclear Aromatic Compounds per EPA 8270M-SIM - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010501 **Soil Preparation Method: EPA 3550**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010501-BLK1)								Extracted: 01/16/08 11:00						
Acenaphthene	EPA 8270m	ND	---	13.2	ug/kg wet	1x	--	--	--	--	--	--	01/17/08 14:41	
Acenaphthylene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Dibenzo (a,h) anthracene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery: 86.6%*			*Limits: 24-125%*	"							*01/17/08 14:41*	
Pyrene-d10		*85.4%*			*41-141%*	"							"	
Benzo (a) pyrene-d12		*92.0%*			*38-143%*	"							"	
LCS (8010501-BS1)								Extracted: 01/16/08 11:00						MNR
Acenaphthene	EPA 8270m	147	---	13.4	ug/kg wet	1x	--	166	88.2%	(33-139)	--	--	01/17/08 15:11	
Benzo (a) pyrene	"	160	---	13.4	"	"	--	"	96.0%	(45-149)	--	--	"	
Pyrene	"	147	---	13.4	"	"	--	"	88.3%	(39-138)	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery: 91.3%*			*Limits: 24-125%*	"							*01/17/08 15:11*	
Pyrene-d10		*89.1%*			*41-141%*	"							"	
Benzo (a) pyrene-d12		*98.5%*			*38-143%*	"							"	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

TCLP Extraction Only - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010498 **Other dry Preparation Method: EPA 1311**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010498-BLK1)								Extracted: 01/15/08 21:15						
Extraction	EPA 1311	ND	---	1.00	N/A	1x	--	--	--	--	--	--	01/16/08 15:21	

QC Batch: 8010600 **Soil Preparation Method: EPA 1311**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010600-BLK1)								Extracted: 01/17/08 20:39						
Extraction	EPA 1311	ND	---	1.00	N/A	1x	--	--	--	--	--	--	01/18/08 16:14	

QC Batch: 8011114 **Soil Preparation Method: EPA 1311**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8011114-BLK1)								Extracted: 01/31/08 19:04						
Extraction	EPA 1311	ND	---	1.00	N/A	1x	--	--	--	--	--	--	02/01/08 15:45	

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Percent Dry Weight (Solids) per Standard Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010544 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (8010544-DUP1)					QC Source: PRA0446-01				Extracted: 01/16/08 15:04					
% Solids	NCA SOP	74.7	---	0.0100	% by Weight	1x	75.5	--	--	--	1.07%	(20)	01/16/08 15:04	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Notes and Definitions

Report Specific Notes:

M7	-	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
M8	-	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MNR	-	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
Q8	-	Detected hydrocarbons in the gasoline range appear to be due to overlap of diesel range hydrocarbons.
Q9	-	Hydrocarbon pattern most closely resembles weathered diesel.
R3	-	The RPD exceeded the acceptance limit due to sample matrix effects.
RL1	-	Reporting limit raised due to sample matrix effects.
RL3	-	Reporting limit raised due to high concentrations of non-target analytes.
Z	-	Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
Z9	-	Unable to calculate surrogate recovery due to matrix interference.
ZX	-	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Christina M. Woodcock

Christina Woodcock, Project Manager

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ANALYTICAL TESTING CORPORATION

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1911 First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210

CHAIN OF CUSTODY REPORT

Work Order #: PRA0372

CLIENT: SECOR

REPORT TO: Jessica Eckart
ADDRESS: 7730 SW Mohawk Blvd
Tualatin, OR 97062
PHONE: 503-691-2030 FAX: 503-692 7074

INVOICE TO: SECOR
7730 SW Mohawk Blvd
Tualatin, OR 97062

P.O. NUMBER: Call Jessica Eckart

PROJECT NAME: 0922 Portland Terminal (COP)

PROJECT NUMBER: 0922

SAMPLED BY: Norman Swanson

PRESERVATIVE

REQUESTED ANALYSES

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: 10 (NTS) | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: 5 (SID) | 4 | 3 | 2 | 1 | <1

OTHER Specify

* Turnaround Requests less than standard may incur Rush Charges

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE TIME		MATRIX (W, S, O)	# OF CONT	LOCATION COMMENTS	TA WO ID
1	1-08-00RS-1	1-14-08/1350	TCLP Lead	0	1		
2	1-08-00RS-2	1-14-08/1400		0	1	HOLD	
3	1-08-00RS-11	1-14-08/1350		0	1	HOLD	
4	1-08-00RS-22	1-14-08/1400		0	1	HOLD	
5							
6							
7							
8							
9							
10							

RELEASED BY: [signature]		DATE: 1-14-08	RECEIVED BY: [signature]		DATE: 1-14-08
PRINT NAME: Norman Swanson	FIRM: SECOR	TIME: 1533	PRINT NAME: [signature]	FIRM: TAP	TIME: 1535
RELEASED BY: [signature]		DATE: 1-14-08	RECEIVED BY: Jamie F. Ireland		DATE: 1/14/08
PRINT NAME: [signature]	FIRM: TAP	TIME: 1630	PRINT NAME: Jamie Ireland	FIRM: TAP	TIME: 16:30

ADDITIONAL REMARKS:

TEMP: 2.9

PAGE OF

TAL-1000-0807

COP0016094

TestAmerica Sample Receipt Checklist

Cooler ID(s):

Received by:	Unpacked by:	Logged-in by:	
*(section A)	*(section B)		Work Order No. PRA0372
Date: 1/14/08	Date: 1/14/08	Date: 1/14/08	Client: Secor
Time: 16:30	Initials: JI	Initials: JI	Project: Conoco Phillips
Initials: JI			

Temperature out of range:

___Not enough Ice
___No Ice
___Ice Melted
___W/in 4 Hours
___Other:_____

***ESI Clients *(see Section C)*

Cooler Temperature (IR): 2.9 °C plastic glass NA *(oil/air samples, ESI client)* Temperature Blank: _____ °C

A

Custody Seals: (#____)

Signature: Y N Dated:_____
X None

Container Type:
1 #Cooler(s)
___#Box(s)
___None (___#Other:_____)

Coolant Type:
___Gel Ice
X Loose Ice
___None

Packing Material:
___Bubble Bags
___Styrofoam Cubbies
X None (___Other:_____)

Received from:
X TA Courier
___Senvoy
___UPS
___Fed Ex
___Client
___TDP
___DHL
___SDS
___Mid-Valley
___GS/TA
___GS/Senvoy
___Other:
_____

B

Sample Status:
(If N circled, see NOD)

General:			
Intact?	Y	N	
# Containers Match COC?	Y	N	none given
IDs Match COC?	Y	N	
For Analyses Requested:			
Correct Type & Preservation?	Y	N	
Adequate Volume?	Y	N	
Within Hold Time?	Y	N	
Volatiles/ Oil Quality:			
VOAs/ Syringes free of Headspace?	Y	N	NA
TB on COC? not provided	Y	N	NA
Metals:			
HNO3 Preserved?	Y	N	NA
Dissolved Metals Filtered?	Y	N	NA

C

***ESI Clients Only:

Temperature Blank: _____ °C not provided

All preserved bottles checked Y N NA *(voas/soils/all unp.)*
All preserved accordingly? Y N *(see NOD)* NA *(voas/soils/all unp.)*

FED EX/ UPS: Was the tracking paper keepable? YES NO

If circled NO, what is the Tracking number? _____

FED EX Goldstreak UPS DHL Other: _____

Project Managers

Comments:_____

Pl... reviewed (Initial/Date)

COP0016095

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

January 31, 2008

Jessica Eckart
Secor
7730 SW Mohawk Street
Tualatin, OR 97062

RE: ConocoPhillips

Enclosed are the results of analyses for samples received by the laboratory on 01/24/08 17:28. The following list is a summary of the Work Orders contained in this report, generated on 01/31/08 15:11.

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

Work Order	Project	ProjectNumber
PRA0686	ConocoPhillips	0922 Portland Terminal (COP)

Rem. system
Sump Sediment

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Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WCV1-24-08	PRA0686-01	Soil	01/24/08 11:00	01/24/08 17:28

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Callie Fahsholz For Christina Woodcock, Project Manager

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Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

TCLP Metals per EPA 1311/6000/7000 Series Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0686-01 (WCV1-24-08)		**Soil**			**Sampled: 01/24/08 11:00**					
Lead	1311/6020	ND	-----	0.0500	mg/l	1x	8010918	01/28/08 11:27	01/29/08 02:12	

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Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

TCLP Volatile Organic Compounds per EPA Method 1311/8260B

TestAmerica Portland

Analyte	Method	Result	MDL[A]	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0686-01 (WCV1-24-08)		**Soil**			**Sampled: 01/24/08 11:00**					
Acetone	1311/8260B	ND	-----	0.500	mg/l	1x	8010992	01/29/08 11:51	01/29/08 16:55	
Benzene	"	ND	-----	0.0200	"	"	"	"	"	
Bromobenzene	"	ND	-----	0.0200	"	"	"	"	"	
Bromochloromethane	"	ND	-----	0.0200	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	0.0200	"	"	"	"	"	
Bromoform	"	ND	-----	0.0200	"	"	"	"	"	
Bromomethane	"	ND	-----	0.100	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
Carbon Tetrachloride	"	ND	-----	0.0200	"	"	"	"	"	
Chlorobenzene	"	ND	-----	0.0200	"	"	"	"	"	
Chloroethane	"	ND	-----	0.0500	"	"	"	"	"	
Chloroform	"	ND	-----	0.0200	"	"	"	"	"	
Chloromethane	"	ND	-----	0.100	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	0.0200	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	0.0200	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	0.0500	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	0.0200	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	0.0200	"	"	"	"	"	
Dibromomethane	"	ND	-----	0.0200	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	0.0200	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	0.0200	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	0.0200	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	0.100	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	0.0200	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	0.0200	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	0.0200	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	0.0200	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	0.0200	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	0.0200	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	0.0200	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	0.0200	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	0.0200	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	0.0200	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	0.0200	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	0.0500	"	"	"	"	"	
2-Hexanone	"	ND	-----	0.100	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	0.0200	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	0.200	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	0.500	"	"	"	"	"	

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Callie Fahsholz For Christina Woodcock, Project Manager

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ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

TCLP Volatile Organic Compounds per EPA Method 1311/8260B

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0686-01 (WCV1-24-08)		**Soil**			**Sampled: 01/24/08 11:00**					
Methylene chloride	1311/8260B	ND	-----	0.500	mg/l	1x	8010992	01/29/08 11:51	01/29/08 16:55	
Methyl tert-butyl ether	"	ND	-----	10.0	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0200	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
Styrene	"	ND	-----	0.0200	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	0.0200	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	0.0200	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	0.0200	"	"	"	"	"	
Toluene	"	ND	-----	0.0200	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	0.0200	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	0.0200	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	0.0200	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	0.0200	"	"	"	"	"	
Trichloroethene	"	ND	-----	0.0200	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	0.0500	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	0.0200	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
Vinyl chloride	"	ND	-----	0.0200	"	"	"	"	"	
o-Xylene	"	ND	-----	0.0200	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.0200	"	"	"	"	"	
Surrogate(s):	*4-BFB*		*89.5%*		*75 - 130 %*	*0.1x*			"	
	Dibromofluoromethane		*108%*		*75 - 130 %*	"			"	
	Toluene-d8		*106%*		*75 - 130 %*	"			"	
	1,2-DCA-d4		*111%*		*79 - 123 %*	"			"	

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Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

TCLP Extraction Only

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0686-01 (WCV1-24-08)		**Soil**			**Sampled: 01/24/08 11:00**					
Extraction	EPA 1311	ND	-----	1.00	N/A	1x	8010865	01/24/08 21:03	01/25/08 17:26	

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Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

TCLP Metals per EPA 1311/6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010918 **Soil Preparation Method: EPA 1311/3005**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010918-BLK1)								Extracted: 01/28/08 11:27						
Lead	1311/6020	ND	---	0.0500	mg/l	1x	--	--	--	--	--	--	01/29/08 00:19	
LCS (8010918-BS1)								Extracted: 01/28/08 11:27						
Lead	1311/6020	0.191	---	0.0500	mg/l	1x	--	0.200	95.7%	(75-125)	--	--	01/29/08 00:27	
Duplicate (8010918-DUP1)				QC Source: PRA0481-01				Extracted: 01/28/08 11:27						
Lead	1311/6020	ND	---	0.0500	mg/l	1x	ND	--	--	--	3.35%	(20)	01/29/08 00:41	
Matrix Spike (8010918-MS1)				QC Source: PRA0481-02				Extracted: 01/28/08 11:27						
Lead	1311/6020	1.52	---	0.0500	mg/l	1x	1.14	0.200	190%	(50-150)	--	--	01/29/08 01:03	M7
Matrix Spike (8010918-MS2)				QC Source: PRA0662-01				Extracted: 01/28/08 11:27						
Lead	1311/6020	0.412	---	0.0500	mg/l	1x	0.185	0.200	113%	(50-150)	--	--	01/29/08 02:05	

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Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

TCLP Volatile Organic Compounds per EPA Method 1311/8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010992 **Water Preparation Method: EPA 1311/5030**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010992-BLK1)								Extracted: 01/29/08 11:51						
Acetone	1311/8260B	ND	---	0.0500	mg/l	0.1x	--	--	--	--	--	--	01/29/08 14:27	
Benzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Carbon Tetrachloride	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Hexachlorobutadiene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	

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Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

TCLP Volatile Organic Compounds per EPA Method 1311/8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010992 **Water Preparation Method: EPA 1311/5030**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010992-BLK1)								Extracted: 01/29/08 11:51						
Isopropylbenzene	1311/8260B	ND	---	0.00200	mg/l	0.1x	--	--	--	--	--	--	01/29/08 14:27	
p-Isopropyltoluene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
2-Butanone (MEK)	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	

Surrogate(s):	*4-BFB*	*Recovery: 86.8%*	*Limits: 75-130%*	"	*01/29/08 14:27*
	Dibromofluoromethane	*107%*	*75-130%*	"	"
	Toluene-d8	*103%*	*75-130%*	"	"
	1,2-DCA-d4	*105%*	*79-123%*	"	"

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Callie Fahsholz For Christina Woodcock, Project Manager

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Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

TCLP Volatile Organic Compounds per EPA Method 1311/8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010992 **Water Preparation Method: EPA 1311/5030**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (8010992-BS1)								Extracted: 01/29/08 11:51						
Benzene	1311/8260B	0.215	---	0.0200	mg/l	1x	--	0.200	107%	(66-142)	--	--	01/29/08 13:06	
Carbon Tetrachloride	"	0.234	---	0.0200	"	"	--	"	117%	(50-150)	--	--	"	
Chlorobenzene	"	0.209	---	0.0200	"	"	--	"	105%	(60-133)	--	--	"	
Chloroform	"	0.217	---	0.0200	"	"	--	"	108%	(50-150)	--	--	"	
1,4-Dichlorobenzene	"	0.212	---	0.0200	"	"	--	"	106%	"	--	--	"	
1,2-Dichloroethane	"	0.214	---	0.0200	"	"	--	"	107%	"	--	--	"	
1,1-Dichloroethene	"	0.227	---	0.0200	"	"	--	"	113%	(59-172)	--	--	"	
2-Butanone (MEK)	"	0.438	---	0.500	"	"	--	0.400	110%	(40-180)	--	--	"	
Tetrachloroethene	"	0.214	---	0.0200	"	"	--	0.200	107%	(50-150)	--	--	"	
Trichloroethene	"	0.207	---	0.0200	"	"	--	"	104%	(62-137)	--	--	"	
Vinyl chloride	"	0.236	---	0.0200	"	"	--	"	118%	(40-180)	--	--	"	
Surrogate(s): *4-BFB*		*Recovery:* *103%*			*Limits:* *75-130%*	*0.1x*							*01/29/08 13:06*	
Dibromofluoromethane		*115%*			*75-130%*	"							"	
Toluene-d8		*106%*			*75-130%*	"							"	
1,2-DCA-d4		*112%*			*79-123%*	"							"	
LCS Dup (8010992-BSD1)								Extracted: 01/29/08 11:51						
Benzene	1311/8260B	0.196	---	0.0200	mg/l	1x	--	0.200	98.2%	(66-142)	8.90%	(21)	01/29/08 14:54	
Carbon Tetrachloride	"	0.206	---	0.0200	"	"	--	"	103%	(50-150)	12.7%	(40)	"	
Chlorobenzene	"	0.194	---	0.0200	"	"	--	"	96.8%	(60-133)	7.79%	(21)	"	
Chloroform	"	0.192	---	0.0200	"	"	--	"	96.1%	(50-150)	12.1%	(40)	"	
1,4-Dichlorobenzene	"	0.187	---	0.0200	"	"	--	"	93.4%	"	12.7%	"	"	
1,2-Dichloroethane	"	0.192	---	0.0200	"	"	--	"	95.8%	"	10.9%	"	"	
1,1-Dichloroethene	"	0.202	---	0.0200	"	"	--	"	101%	(59-172)	11.5%	(22)	"	
2-Butanone (MEK)	"	0.426	---	0.500	"	"	--	0.400	106%	(40-180)	2.82%	(50)	"	
Tetrachloroethene	"	0.200	---	0.0200	"	"	--	0.200	99.9%	(50-150)	7.10%	"	"	
Trichloroethene	"	0.188	---	0.0200	"	"	--	"	94.0%	(62-137)	9.57%	(24)	"	
Vinyl chloride	"	0.210	---	0.0200	"	"	--	"	105%	(40-180)	11.4%	(50)	"	
Surrogate(s): *4-BFB*		*Recovery:* *98.1%*			*Limits:* *75-130%*	*0.1x*							*01/29/08 14:54*	
Dibromofluoromethane		*108%*			*75-130%*	"							"	
Toluene-d8		*103%*			*75-130%*	"							"	
1,2-DCA-d4		*106%*			*79-123%*	"							"	

TestAmerica Portland

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Callie Falsholz For Christina Woodcock, Project Manager

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

TCLP Extraction Only - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010865 **Soil Preparation Method: EPA 1311**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010865-BLK1)								Extracted: 01/24/08 21:03						
Extraction	EPA 1311	ND	---	1.00	N/A	1x	--	--	--	--	--	--	01/25/08 17:26	

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Callie Fahsholz For Christina Woodcock, Project Manager

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Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

Notes and Definitions

Report Specific Notes:

M7 - The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).

Laboratory Reporting Conventions:

DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.

ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).

NR/NA - Not Reported / Not Available

dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.

wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.

RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).

MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.

MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.

Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.

Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Callie Fahsholz For Christina Woodcock, Project Manager

PRA0686

TestAmerica Portland
9405 SW Nimbus Avenue

Beaverton, OR 97008
phone 503.906.9200 fax 503.906.9210

Chain of Custody Record

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TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Jessica Eckart	Site Contact: Norman Swanson	Date: 01/24/08	COC No: 1
SECOR International, Inc.		Lab Contact: Christina	Carrier:	__1__ of __1__ COCs
7730 SW Mohawk Blvd.	Analysis Turnaround Time			Job No. 15CP.00922
Tualtin, OR 97062	Calendar (C) or Work Days (W) _____			
(503) 691-2030 Phone	TAT if different from Below _____			
(503) 692-7074 FAX	☐ 2 weeks			SDG No.
Project Name: 0922 Portland Terminal (COP)	☐ 1 week			
Site: 0922	■ 2 days			
P O # None - Direct Bill to SECOR	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	TCLP 8260 (see comments)	TCLP Pb	Sample Specific Notes:
WCV1-24-08	1/24/2008	1100	Comp	Carbon	2		X	X	
									8260 TCLP:
									Vinyl Chloride; trichloroethene
									1,1-dichloroethene; chloroform;
									carbon tetrachloride; benzene;
									1,2-dichloroethane; tetrachloroethene;
									chlorobenzene; 2-butanone

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ■

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ■ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Norman Swanson	SECOR	1-24-8/1700	Mark Ortmayer	SENVOY	1/24 1700
Mark Ortmayer	SENVOY	1/24 1728	Peggy Hegfree	TAP	1/24/08 1728

TestAmerica Sample Receipt Checklist

Received by: (section A)
Date: 12/24/12
Time: 1:45
Initials: JS

Unpacked by: (section B)
Date: 12/24/12
Initials: JS

Logged-in by:
Date: 12/24/12
Initials: JT

Work Order No. PRA0686
Client: SLCC
Project: ConocoPhillips

Temperature out of range:
___Not enough Ice
___No Ice
___Ice Melted
___Win 4 Hours
___Other ___

***ESI Clients *(see Section C)*

Cooler Temperature (IR): 1.2 °C plastic glass NA *(oil/air samples. ESI client)* Temperature Blank: ___ °C

A

Custody Seals: (#___)

Signature: Y N Dated: ___
X None

Container Type:
1 #Cooler(s)
___#Box(s)
___None (___#Other: ___)

Coolant Type:
___Gel Ice
X Loose Ice
___None

Packing Material:
X Bubble Bags
___Styrofoam Cubbies
___None (___Other: ___)

Received from:
___TA Courier
X Senvoy
___UPS
___Fed Ex
___Client
___TDP
___DHL
___SDS
___Mid-Valley
___GS/TA
___GS/Senvoy
___Other:
___

B

Sample Status:
(If N circled, see NOD)

General:

Intact?	Y	N	
# Containers Match COC?	Y	N	none given
IDs Match COC?	Y	N	

For Analyses Requested:

Correct Type & Preservation?	Y	N	
Adequate Volume?	Y	N	
Within Hold Time?	Y	N	

Volatiles/ Oil Quality:

VOAs/ Syringes free of Headspace?	Y	N	NA
TB on COC? not provided	Y	N	NA

Metals:

HNO3 Preserved?	Y	N	NA
Dissolved Metals Filtered?	Y	N	NA

C

***ESI Clients Only:

Temperature Blank: ___ °C not provided

All preserved bottles checked Y N NA *(voas/soils/all unp.)*
All preserved accordingly? Y N *(see NOD)* NA *(voas/soils/all unp.)*

FED EX/ UPS. Was the tracking paper keepable? YES NO

If circled NO, what is the Tracking number? ___

FED EX Goldstreak UPS DHL Other: ___

Project Managers:

Comments: ___

PM Reviewed: ___ *(Initial/Date)*

COP0016109

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
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January 31, 2008

Jessica Eckart
Secor
7730 SW Mohawk Street
Tualatin, OR 97062

RE: ConocoPhillips

Enclosed are the results of analyses for samples received by the laboratory on 01/24/08 17:28. The following list is a summary of the Work Orders contained in this report, generated on 01/31/08 15:11.

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

Work Order	Project	ProjectNumber
PRA0686	ConocoPhillips	0922 Portland Terminal (COP)

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
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Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WCV1-24-08	PRA0686-01	Soil	01/24/08 11:00	01/24/08 17:28

TestAmerica Portland

Callie Fahsholz For Christina Woodcock, Project Manager

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Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

TCLP Metals per EPA 1311/6000/7000 Series Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0686-01 (WCV1-24-08)		**Soil**			**Sampled: 01/24/08 11:00**					
Lead	1311/6020	ND	-----	0.0500	mg/l	1x	8010918	01/28/08 11:27	01/29/08 02:12	

TestAmerica Portland

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Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

TCLP Volatile Organic Compounds per EPA Method 1311/8260B

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0686-01 (WCV1-24-08)		**Soil**			**Sampled: 01/24/08 11:00**					
Acetone	1311/8260B	ND	-----	0.500	mg/l	1x	8010992	01/29/08 11:51	01/29/08 16:55	
Benzene	"	ND	-----	0.0200	"	"	"	"	"	
Bromobenzene	"	ND	-----	0.0200	"	"	"	"	"	
Bromochloromethane	"	ND	-----	0.0200	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	0.0200	"	"	"	"	"	
Bromoform	"	ND	-----	0.0200	"	"	"	"	"	
Bromomethane	"	ND	-----	0.100	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
Carbon Tetrachloride	"	ND	-----	0.0200	"	"	"	"	"	
Chlorobenzene	"	ND	-----	0.0200	"	"	"	"	"	
Chloroethane	"	ND	-----	0.0500	"	"	"	"	"	
Chloroform	"	ND	-----	0.0200	"	"	"	"	"	
Chloromethane	"	ND	-----	0.100	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	0.0200	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	0.0200	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	0.0500	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	0.0200	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	0.0200	"	"	"	"	"	
Dibromomethane	"	ND	-----	0.0200	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	0.0200	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	0.0200	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	0.0200	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	0.100	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	0.0200	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	0.0200	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	0.0200	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	0.0200	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	0.0200	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	0.0200	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	0.0200	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	0.0200	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	0.0200	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	0.0200	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	0.0200	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	0.0500	"	"	"	"	"	
2-Hexanone	"	ND	-----	0.100	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	0.0200	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	0.200	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	0.500	"	"	"	"	"	

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Callie Fahsholz For Christina Woodcock, Project Manager

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BEAVERTON, OR 97008-7132
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Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

TCLP Volatile Organic Compounds per EPA Method 1311/8260B

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0686-01 (WCV1-24-08)		**Soil**			**Sampled: 01/24/08 11:00**					
Methylene chloride	1311/8260B	ND	-----	0.500	mg/l	1x	8010992	01/29/08 11:51	01/29/08 16:55	
Methyl tert-butyl ether	"	ND	-----	10.0	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0200	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
Styrene	"	ND	-----	0.0200	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	0.0200	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	0.0200	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	0.0200	"	"	"	"	"	
Toluene	"	ND	-----	0.0200	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	0.0200	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	0.0200	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	0.0200	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	0.0200	"	"	"	"	"	
Trichloroethene	"	ND	-----	0.0200	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	0.0500	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	0.0200	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
Vinyl chloride	"	ND	-----	0.0200	"	"	"	"	"	
o-Xylene	"	ND	-----	0.0200	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.0200	"	"	"	"	"	
Surrogate(s):	*4-BFB*		*89.5%*		*75 - 130 %*	*0.1x*			"	
	Dibromofluoromethane		*108%*		*75 - 130 %*	"			"	
	Toluene-d8		*106%*		*75 - 130 %*	"			"	
	1,2-DCA-d4		*111%*		*79 - 123 %*	"			"	

TestAmerica Portland

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Callie Fahsholz For Christina Woodcock, Project Manager

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Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

TCLP Extraction Only

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0686-01 (WCV1-24-08)		**Soil**			**Sampled: 01/24/08 11:00**					
Extraction	EPA 1311	ND	-----	1.00	N/A	1x	8010865	01/24/08 21:03	01/25/08 17:26	

TestAmerica Portland

Callie Fahsholz For Christina Woodcock. Project Manager

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Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

TCLP Metals per EPA 1311/6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010918 **Soil Preparation Method: EPA 1311/3005**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010918-BLK1)								Extracted: 01/28/08 11:27						
Lead	1311/6020	ND	---	0.0500	mg/l	1x	--	--	--	--	--	--	01/29/08 00:19	
LCS (8010918-BS1)								Extracted: 01/28/08 11:27						
Lead	1311/6020	0.191	---	0.0500	mg/l	1x	--	0.200	95.7%	(75-125)	--	--	01/29/08 00:27	
Duplicate (8010918-DUP1)				QC Source: PRA0481-01				Extracted: 01/28/08 11:27						
Lead	1311/6020	ND	---	0.0500	mg/l	1x	ND	--	--	--	3.35%	(20)	01/29/08 00:41	
Matrix Spike (8010918-MS1)				QC Source: PRA0481-02				Extracted: 01/28/08 11:27						
Lead	1311/6020	1.52	---	0.0500	mg/l	1x	1.14	0.200	190%	(50-150)	--	--	01/29/08 01:03	M7
Matrix Spike (8010918-MS2)				QC Source: PRA0662-01				Extracted: 01/28/08 11:27						
Lead	1311/6020	0.412	---	0.0500	mg/l	1x	0.185	0.200	113%	(50-150)	--	--	01/29/08 02:05	

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Callie Fahsholz For Christina Woodcock, Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

TCLP Volatile Organic Compounds per EPA Method 1311/8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010992 **Water Preparation Method: EPA 1311/5030**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010992-BLK1)								Extracted: 01/29/08 11:51						
Acetone	1311/8260B	ND	---	0.0500	mg/l	0.1x	--	--	--	--	--	--	01/29/08 14:27	
Benzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Carbon Tetrachloride	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Hexachlorobutadiene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	

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Callie Falsholz For Christina Woodcock, Project Manager

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BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

TCLP Volatile Organic Compounds per EPA Method 1311/8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010992 **Water Preparation Method: EPA 1311/5030**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010992-BLK1)								Extracted: 01/29/08 11:51						
Isopropylbenzene	1311/8260B	ND	---	0.00200	mg/l	0.1x	--	--	--	--	--	--	01/29/08 14:27	
p-Isopropyltoluene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
2-Butanone (MEK)	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	

Surrogate(s):	*4-BFB*	*Recovery:* *86.8%*	*Limits:* *75-130%*	"	*01/29/08 14:27*
	Dibromofluoromethane	*107%*	*75-130%*	"	"
	Toluene-d8	*103%*	*75-130%*	"	"
	1,2-DCA-d4	*105%*	*79-123%*	"	"

TestAmerica Portland

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Callie Fahsholz For Christina Woodcock, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

TCLP Volatile Organic Compounds per EPA Method 1311/8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010992 **Water Preparation Method: EPA 1311/5030**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (8010992-BS1)								Extracted: 01/29/08 11:51						
Benzene	1311/8260B	0.215	---	0.0200	mg/l	1x	--	0.200	107%	(66-142)	--	--	01/29/08 13:06	
Carbon Tetrachloride	"	0.234	---	0.0200	"	"	--	"	117%	(50-150)	--	--	"	
Chlorobenzene	"	0.209	---	0.0200	"	"	--	"	105%	(60-133)	--	--	"	
Chloroform	"	0.217	---	0.0200	"	"	--	"	108%	(50-150)	--	--	"	
1,4-Dichlorobenzene	"	0.212	---	0.0200	"	"	--	"	106%	"	--	--	"	
1,2-Dichloroethane	"	0.214	---	0.0200	"	"	--	"	107%	"	--	--	"	
1,1-Dichloroethene	"	0.227	---	0.0200	"	"	--	"	113%	(59-172)	--	--	"	
2-Butanone (MEK)	"	0.438	---	0.500	"	"	--	0.400	110%	(40-180)	--	--	"	
Tetrachloroethene	"	0.214	---	0.0200	"	"	--	0.200	107%	(50-150)	--	--	"	
Trichloroethene	"	0.207	---	0.0200	"	"	--	"	104%	(62-137)	--	--	"	
Vinyl chloride	"	0.236	---	0.0200	"	"	--	"	118%	(40-180)	--	--	"	
Surrogate(s): *4-BFB*		*Recovery:*	*103%*		*Limits:*	*75-130%*	*0.1x*						*01/29/08 13:06*	
Dibromofluoromethane			*115%*			*75-130%*	"						"	
Toluene-d8			*106%*			*75-130%*	"						"	
1,2-DCA-d4			*112%*			*79-123%*	"						"	
LCS Dup (8010992-BSD1)								Extracted: 01/29/08 11:51						
Benzene	1311/8260B	0.196	---	0.0200	mg/l	1x	--	0.200	98.2%	(66-142)	8.90%	(21)	01/29/08 14:54	
Carbon Tetrachloride	"	0.206	---	0.0200	"	"	--	"	103%	(50-150)	12.7%	(40)	"	
Chlorobenzene	"	0.194	---	0.0200	"	"	--	"	96.8%	(60-133)	7.79%	(21)	"	
Chloroform	"	0.192	---	0.0200	"	"	--	"	96.1%	(50-150)	12.1%	(40)	"	
1,4-Dichlorobenzene	"	0.187	---	0.0200	"	"	--	"	93.4%	"	12.7%	"	"	
1,2-Dichloroethane	"	0.192	---	0.0200	"	"	--	"	95.8%	"	10.9%	"	"	
1,1-Dichloroethene	"	0.202	---	0.0200	"	"	--	"	101%	(59-172)	11.5%	(22)	"	
2-Butanone (MEK)	"	0.426	---	0.500	"	"	--	0.400	106%	(40-180)	2.82%	(50)	"	
Tetrachloroethene	"	0.200	---	0.0200	"	"	--	0.200	99.9%	(50-150)	7.10%	"	"	
Trichloroethene	"	0.188	---	0.0200	"	"	--	"	94.0%	(62-137)	9.57%	(24)	"	
Vinyl chloride	"	0.210	---	0.0200	"	"	--	"	105%	(40-180)	11.4%	(50)	"	
Surrogate(s): *4-BFB*		*Recovery:*	*98.1%*		*Limits:*	*75-130%*	*0.1x*						*01/29/08 14:54*	
Dibromofluoromethane			*108%*			*75-130%*	"						"	
Toluene-d8			*103%*			*75-130%*	"						"	
1,2-DCA-d4			*106%*			*79-123%*	"						"	

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Callie Fahsholz For Christina Woodcock, Project Manager

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BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

TCLP Extraction Only - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010865 **Soil Preparation Method: EPA 1311**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010865-BLK1)								Extracted: 01/24/08 21:03						
Extraction	EPA 1311	ND	---	1.00	N/A	1x	--	--	--	--	--	--	01/25/08 17:26	

TestAmerica Portland

Callie Falsholz For Christina Woodcock, Project Manager

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/31/08 15:11

Notes and Definitions

Report Specific Notes:

M7 - The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).

Laboratory Reporting Conventions:

DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.

ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).

NR/NA - Not Reported / Not Available

dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.

wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.

RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).

MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.

MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.

Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.

Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Callie Fahsholz For Christina Woodcock, Project Manager

PRA0686

TestAmerica Portland
9405 SW Nimbus Avenue

Beaverton, OR 97008
phone 503 906.9200 fax 503.906.9210

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Jessica Eckart	Site Contact: Norman Swanson	Date: 01/24/08	COC No: 1
SECOR International, Inc.		Lab Contact: Christina	Carrier:	1 of 1 COCs
7730 SW Mohawk Blvd.	Analysis Turnaround Time			Job No. 15CP.00922
Tualtin, OR 97062	Calendar (C) or Work Days (W) _____			
(503) 691-2030 Phone	TAT if different from Below _____			
(503) 692-7074 FAX	☐ 2 weeks			SDG No.
Project Name: 0922 Portland Terminal (COP)	☐ 1 week			
Site: 0922	■ 2 days			
P O # None - Direct Bill to SECOR	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	TCLP 8260 (see comments)	TCLP Pb	Sample Specific Notes:
WCV1-24-08	1/24/2008	1100	Comp	Carbon	2		X	X	
									8260 TCLP:
									Vinyl Chloride; trichloroethene
									1,1-dichloroethene; chloroform;
									carbon tetrachloride; benzene;
									1,2-dichloroethane; tetrachloroethene;
									chlorobenzene; 2-butanone

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ■

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ■ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Norman Swanson	SECOR	1-24-8/1700	Mark Ortmayer	SEN VOY	1/24 1700
Mark Ortmayer	SEN VOY	1/24 1728	Peggy Kreg[illegible]	TAP	1/24/08 1728

TestAmerica Sample Receipt Checklist

Received by: (section A)
Date: [illegible]
Time: [illegible]
Initials: [illegible]

Unpacked by: (section B)
Date: [illegible]
Initials: [illegible]

Logged-in by:
Date: [illegible]
Initials: JI

Work Order No. PRA0086
Client: [illegible]
Project: ConocoPhillips

Temperature out of range
___Not enough Ice
___No Ice
___Ice Melted
___Wi/n 4 Hours
___Other _____

***ESI Clients *(see Section C)*

Cooler Temperature (IR): 1.2 °C plastic glass NA *(oil/air samples. ESI client)* Temperature Blank: _____ °C

A

Custody Seals: (#____)

Signature: Y N Dated:_____

X None

Container Type:

1 #Cooler(s)

____#Box(s)

____None (___#Other:_____)

Coolant Type:

____Gel Ice

X Loose Ice

____None

Packing Material:

X Bubble Bags

____Styrofoam Cubbies

____None (____Other:_____)

Received from:

____TA Courier

X Senvoy

____UPS

____Fed Ex

____Client

____TDP

____DHL

____SDS

____Mid-Valley

____GS/TA

____GS/Senvoy

____Other:

_____

B

Sample Status:

(If N circled, see NOD)

General:

Intact?	Y	N	
# Containers Match COC?	Y	N	none given
IDs Match COC?	Y	N	

For Analyses Requested:

Correct Type & Preservation?	Y	N	
Adequate Volume?	Y	N	
Within Hold Time?	Y	N	

Volatiles/ Oil Quality:

VOAs/ Syringes free of Headspace?	Y	N	NA
TB on COC? not provided	Y	N	NA

Metals:

HNO3 Preserved?	Y	N	NA
Dissolved Metals Filtered?	Y	N	NA

C

***ESI Clients Only:

Temperature Blank: _____ °C not provided

All preserved bottles checked Y N NA (voas/soils/all unp.)

All preserved accordingly? Y N *(see NOD)* NA (voas/soils/all unp.)

FED EX/ UPS. Was the tracking paper keepable? YES NO

If circled NO, what is the Tracking number? _____

FED EX Goldstreak UPS DHL Other _____

Project Managers:

Comments _____

PM Reviewed: _____ *(Initial/Date)*

COP0016123

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THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
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Soil cuttings.
Beach wells & U29 Cluster

January 17, 2008

Jessica Eckart
Secor
7730 SW Mohawk Street
Tualatin, OR 97062

RE: ConocoPhillips

Enclosed are the results of analyses for samples received by the laboratory on 12/19/07 15:50. The following list is a summary of the Work Orders contained in this report, generated on 01/17/08 17:13.

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

Work Order	Project	ProjectNumber
PQL0764	ConocoPhillips	ISCP.00922.40

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	ISCP.00922.40	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/17/08 17:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
U-29C-S-15	PQL0764-03	Soil	12/13/07 09:00	12/19/07 15:50
U-29C-S-20	PQL0764-04	Soil	12/13/07 09:05	12/19/07 15:50
U-29C-S-25	PQL0764-05	Soil	12/13/07 09:10	12/19/07 15:50
U-29C-S-70	PQL0764-14	Soil	12/14/07 11:05	12/19/07 15:50
U-29C-S-75	PQL0764-15	Soil	12/14/07 11:30	12/19/07 15:50

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Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/17/08 17:13

Gasoline Hydrocarbons per NW TPH-Gx Method

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0764-03 (U-29C-S-15)		**Soil**			**Sampled: 12/13/07 09:00**					**Q8**
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	-----	3.97	mg/kg dry	1x	7120844	12/20/07 15:00	12/21/07 04:51	
Surrogate(s): a,a,a-TFT			*104%*		*50 - 150 %*	"			"	
PQL0764-04 (U-29C-S-20)		**Soil**			**Sampled: 12/13/07 09:05**					**Q8**
Gasoline Range Hydrocarbons	NW TPH-Gx	**473**	-----	49.3	mg/kg dry	10x	7120844	12/20/07 15:00	12/21/07 05:23	
Surrogate(s): a,a,a-TFT			*152%*		*50 - 150 %*	"			"	*Z3*
PQL0764-05 (U-29C-S-25)		**Soil**			**Sampled: 12/13/07 09:10**					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	-----	5.43	mg/kg dry	1x	7120844	12/20/07 15:00	12/21/07 04:19	
Surrogate(s): a,a,a-TFT			*99.6%*		*50 - 150 %*	"			"	
PQL0764-14 (U-29C-S-70)		**Soil**			**Sampled: 12/14/07 11:05**					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	-----	5.68	mg/kg dry	1x	7120844	12/20/07 15:00	12/21/07 03:15	
Surrogate(s): a,a,a-TFT			*98.6%*		*50 - 150 %*	"			"	
PQL0764-15 (U-29C-S-75)		**Soil**			**Sampled: 12/14/07 11:30**					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	-----	4.82	mg/kg dry	1x	7120844	12/20/07 15:00	12/21/07 03:47	
Surrogate(s): a,a,a-TFT			*103%*		*50 - 150 %*	"			"	

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7730 SW Mohawk Street	Project Number:	ISCP.00922.40	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/17/08 17:13

TCLP Metals per EPA 1311/6000/7000 Series Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0764-04 (U-29C-S-20)		**Soil**			**Sampled: 12/13/07 09:05**					
Lead	1311/6020	ND	-----	0.0500	mg/l	1x	7121081	12/29/07 17:51	01/02/08 22:32	

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Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/17/08 17:13

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0764-03 (U-29C-S-15)		**Soil**			**Sampled: 12/13/07 09:00**					
1,2-Dibromoethane	EPA 8260B	ND	-----	49.6	ug/kg dry	2x	7120921	12/22/07 11:08	12/22/07 22:00	
1,2-Dichloroethane	"	ND	-----	49.6	"	"	"	"	"	
Benzene	"	ND	-----	19.9	"	"	"	"	"	
Toluene	"	ND	-----	49.6	"	"	"	"	"	
Ethylbenzene	"	ND	-----	49.6	"	"	"	"	"	
Xylenes (total)	"	ND	-----	99.3	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	39.7	"	"	"	"	"	
Naphthalene	"	ND	-----	199	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	99.3	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	49.6	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	199	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	49.6	"	"	"	"	"	
Surrogate(s): 4-BFB			*98.8%*		*75 - 125 %*	*0.02x*			"	
1,2-DCA-d4			*94.4%*		*75 - 125 %*	"			"	
Dibromofluoromethane			*91.4%*		*75 - 125 %*	"			"	
Toluene-d8			*105%*		*75 - 125 %*	"			"	
PQL0764-04 (U-29C-S-20)		**Soil**			**Sampled: 12/13/07 09:05**					
1,2-Dibromoethane	EPA 8260B	ND	-----	61.7	ug/kg dry	2x	7120921	12/22/07 11:08	12/22/07 22:27	
1,2-Dichloroethane	"	ND	-----	61.7	"	"	"	"	"	
Benzene	"	ND	-----	24.7	"	"	"	"	"	
Toluene	"	ND	-----	61.7	"	"	"	"	"	
Ethylbenzene	"	ND	-----	61.7	"	"	"	"	"	
Xylenes (total)	"	ND	-----	123	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	49.3	"	"	"	"	"	
Naphthalene	"	ND	-----	247	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	123	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	61.7	"	"	"	"	"	
Isopropylbenzene	"	**565**	-----	247	"	"	"	"	"	
n-Propylbenzene	"	**1050**	-----	61.7	"	"	"	"	"	
Surrogate(s): 4-BFB			*99.2%*		*75 - 125 %*	*0.02x*			"	
1,2-DCA-d4			*97.0%*		*75 - 125 %*	"			"	
Dibromofluoromethane			*92.8%*		*75 - 125 %*	"			"	
Toluene-d8			*104%*		*75 - 125 %*	"			"	

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Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	ISCP.00922.40	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/17/08 17:13

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0764-05 (U-29C-S-25)		**Soil**			**Sampled: 12/13/07 09:10**					
1,2-Dibromoethane	EPA 8260B	ND	-----	67.9	ug/kg dry	2x	7120921	12/22/07 11:08	12/22/07 22:54	
1,2-Dichloroethane	"	ND	-----	67.9	"	"	"	"	"	
Benzene	"	ND	-----	27.2	"	"	"	"	"	
Toluene	"	ND	-----	67.9	"	"	"	"	"	
Ethylbenzene	"	ND	-----	67.9	"	"	"	"	"	
Xylenes (total)	"	ND	-----	136	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	54.3	"	"	"	"	"	
Naphthalene	"	ND	-----	272	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	136	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	67.9	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	272	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	67.9	"	"	"	"	"	
Surrogate(s): 4-BFB			*97.0%*		*75 - 125 %*	*0.02x*			"	
1,2-DCA-d4			*97.2%*		*75 - 125 %*	"			"	
Dibromofluoromethane			*93.9%*		*75 - 125 %*	"			"	
Toluene-d8			*106%*		*75 - 125 %*	"			"	
PQL0764-14 (U-29C-S-70)		**Soil**			**Sampled: 12/14/07 11:05**					
1,2-Dibromoethane	EPA 8260B	ND	-----	71.0	ug/kg dry	2x	7120945	12/26/07 11:39	12/26/07 17:50	
1,2-Dichloroethane	"	ND	-----	71.0	"	"	"	"	"	
Benzene	"	ND	-----	28.4	"	"	"	"	"	
Toluene	"	ND	-----	71.0	"	"	"	"	"	
Ethylbenzene	"	ND	-----	71.0	"	"	"	"	"	
Xylenes (total)	"	ND	-----	142	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	56.8	"	"	"	"	"	
Naphthalene	"	ND	-----	284	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	142	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	71.0	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	284	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	71.0	"	"	"	"	"	
Surrogate(s): 4-BFB			*98.3%*		*75 - 125 %*	*0.02x*			"	
1,2-DCA-d4			*99.7%*		*75 - 125 %*	"			"	
Dibromofluoromethane			*95.0%*		*75 - 125 %*	"			"	
Toluene-d8			*108%*		*75 - 125 %*	"			"	

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7730 SW Mohawk Street	Project Number:	ISCP.00922.40	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/17/08 17:13

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0764-15 (U-29C-S-75)		**Soil**			**Sampled: 12/14/07 11:30**					
1,2-Dibromoethane	EPA 8260B	ND	-----	60.3	ug/kg dry	2x	7120945	12/26/07 11:39	12/26/07 18:17	
1,2-Dichloroethane	"	ND	-----	60.3	"	"	"	"	"	
Benzene	"	ND	-----	24.1	"	"	"	"	"	
Toluene	"	ND	-----	60.3	"	"	"	"	"	
Ethylbenzene	"	ND	-----	60.3	"	"	"	"	"	
Xylenes (total)	"	ND	-----	121	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	48.2	"	"	"	"	"	
Naphthalene	"	ND	-----	241	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	121	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	60.3	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	241	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	60.3	"	"	"	"	"	
Surrogate(s): *4-BFB*			*96.8%*		*75 - 125 %*	*0.02x*			"	
1,2-DCA-d4			*103%*		*75 - 125 %*	"			"	
Dibromofluoromethane			*97.3%*		*75 - 125 %*	"			"	
Toluene-d8			*106%*		*75 - 125 %*	"			"	

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Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/17/08 17:13

Polynuclear Aromatic Compounds per EPA 8270M-SIM

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0764-03 (U-29C-S-15)		**Soil**			**Sampled: 12/13/07 09:00**					**RL3**
Acenaphthene	EPA 8270m	ND	-----	289	ug/kg dry	20x	7120873	12/21/07 12:20	12/28/07 17:45	RL1
Acenaphthylene	"	ND	-----	289	"	"	"	"	"	RL1
Anthracene	"	ND	-----	57.8	"	4x	"	"	12/28/07 00:01	
Benzo (a) anthracene	"	ND	-----	57.8	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	57.8	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	57.8	"	"	"	"	"	
Benzo (ghi) perylene	"	**413**	-----	57.8	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	57.8	"	"	"	"	"	
Chrysene	"	ND	-----	57.8	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	-----	57.8	"	"	"	"	"	
Fluoranthene	"	ND	-----	57.8	"	"	"	"	"	
Fluorene	"	ND	-----	289	"	20x	"	"	12/28/07 17:45	RL1
Indeno (1,2,3-cd) pyrene	"	ND	-----	57.8	"	4x	"	"	12/28/07 00:01	
Naphthalene	"	ND	-----	57.8	"	"	"	"	"	
Phenanthrene	"	ND	-----	57.8	"	"	"	"	"	
Pyrene	"	ND	-----	57.8	"	"	"	"	"	
Surrogate(s): Fluorene-d10			*108%*		*24 - 125 %*	*20x*			*12/28/07 17:45*	
Pyrene-d10			*90.7%*		*41 - 141 %*	*4x*			*12/28/07 00:01*	
Benzo (a) pyrene-d12			*103%*		*38 - 143 %*	"			"	
PQL0764-04 (U-29C-S-20)		**Soil**			**Sampled: 12/13/07 09:05**					**RL3**
Acenaphthene	EPA 8270m	**2320**	-----	865	ug/kg dry	50x	7120873	12/21/07 12:20	12/28/07 18:17	
Acenaphthylene	"	ND	-----	865	"	"	"	"	"	RL1
Anthracene	"	**1630**	-----	173	"	10x	"	"	12/28/07 00:31	
Benzo (a) anthracene	"	ND	-----	173	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	173	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	173	"	"	"	"	"	
Benzo (ghi) perylene	"	**257**	-----	173	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	173	"	"	"	"	"	
Chrysene	"	**298**	-----	173	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	-----	173	"	"	"	"	"	
Fluoranthene	"	**434**	-----	173	"	"	"	"	"	
Fluorene	"	**5150**	-----	865	"	50x	"	"	12/28/07 18:17	
Indeno (1,2,3-cd) pyrene	"	ND	-----	173	"	10x	"	"	12/28/07 00:31	
Naphthalene	"	ND	-----	1300	"	50x	"	"	12/28/07 18:17	RL1
Phenanthrene	"	**13600**	-----	865	"	"	"	"	"	
Pyrene	"	**1320**	-----	173	"	10x	"	"	12/28/07 00:31	
Surrogate(s): Fluorene-d10			*NR*		*24 - 125 %*	*50x*			*12/28/07 18:17*	*Z3*
Pyrene-d10			*80.6%*		*41 - 141 %*	*10x*			*12/28/07 00:31*	
Benzo (a) pyrene-d12			*120%*		*38 - 143 %*	"			"	

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7730 SW Mohawk Street	Project Number:	ISCP.00922.40	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/17/08 17:13

Polynuclear Aromatic Compounds per EPA 8270M-SIM

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0764-05 (U-29C-S-25)		**Soil**			**Sampled: 12/13/07 09:10**					
Acenaphthene	EPA 8270m	ND	-----	19.0	ug/kg dry	1x	7120873	12/21/07 12:20	12/27/07 06:22	
Acenaphthylene	"	ND	-----	19.0	"	"	"	"	"	
Anthracene	"	ND	-----	19.0	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	19.0	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	19.0	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	19.0	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	19.0	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	19.0	"	"	"	"	"	
Chrysene	"	ND	-----	19.0	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	-----	19.0	"	"	"	"	"	
Fluoranthene	"	ND	-----	19.0	"	"	"	"	"	
Fluorene	"	ND	-----	19.0	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	19.0	"	"	"	"	"	
Naphthalene	"	ND	-----	19.0	"	"	"	"	"	
Phenanthrene	"	ND	-----	19.0	"	"	"	"	"	
Pyrene	"	ND	-----	19.0	"	"	"	"	"	
Surrogate(s): Fluorene-d10			*101%*		*24 - 125 %*	"			"	
Pyrene-d10			*93.9%*		*41 - 141 %*	"			"	
Benzo (a) pyrene-d12			*89.6%*		*38 - 143 %*	"			"	
PQL0764-14 (U-29C-S-70)		**Soil**			**Sampled: 12/14/07 11:05**					
Acenaphthene	EPA 8270m	ND	-----	19.0	ug/kg dry	1x	7120873	12/21/07 12:20	12/27/07 06:55	
Acenaphthylene	"	ND	-----	19.0	"	"	"	"	"	
Anthracene	"	ND	-----	19.0	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	19.0	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	19.0	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	19.0	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	19.0	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	19.0	"	"	"	"	"	
Chrysene	"	ND	-----	19.0	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	-----	19.0	"	"	"	"	"	
Fluoranthene	"	ND	-----	19.0	"	"	"	"	"	
Fluorene	"	ND	-----	19.0	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	19.0	"	"	"	"	"	
Naphthalene	"	ND	-----	19.0	"	"	"	"	"	
Phenanthrene	"	ND	-----	19.0	"	"	"	"	"	
Pyrene	"	ND	-----	19.0	"	"	"	"	"	
Surrogate(s): Fluorene-d10			*106%*		*24 - 125 %*	"			"	
Pyrene-d10			*106%*		*41 - 141 %*	"			"	
Benzo (a) pyrene-d12			*97.9%*		*38 - 143 %*	"			"	

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Christina Woodcock, Project Manager

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Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	ISCP.00922.40	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/17/08 17:13

Polynuclear Aromatic Compounds per EPA 8270M-SIM

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0764-15 (U-29C-S-75)		**Soil**			**Sampled: 12/14/07 11:30**					
Acenaphthene	EPA 8270m	ND	-----	16.3	ug/kg dry	1x	7120873	12/21/07 12:20	12/27/07 07:29	
Acenaphthylene	"	ND	-----	16.3	"	"	"	"	"	
Anthracene	"	ND	-----	16.3	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	16.3	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	16.3	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	16.3	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	16.3	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	16.3	"	"	"	"	"	
Chrysene	"	ND	-----	16.3	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	-----	16.3	"	"	"	"	"	
Fluoranthene	"	ND	-----	16.3	"	"	"	"	"	
Fluorene	"	ND	-----	16.3	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	16.3	"	"	"	"	"	
Naphthalene	"	ND	-----	16.3	"	"	"	"	"	
Phenanthrene	"	ND	-----	16.3	"	"	"	"	"	
Pyrene	"	ND	-----	16.3	"	"	"	"	"	
Surrogate(s): Fluorene-d10			*100%*		*24 - 125 %*	"			"	
Pyrene-d10			*102%*		*41 - 141 %*	"			"	
Benzo (a) pyrene-d12			*105%*		*38 - 143 %*	"			"	

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TCLP Extraction Only

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0764-04 (U-29C-S-20)		**Soil**			**Sampled: 12/13/07 09:05**					
Extraction	EPA 1311	ND	-----	1.00	N/A	1x	7121075	12/28/07 21:34	12/29/07 16:50	

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Percent Dry Weight (Solids) per Standard Methods

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0764-03 (U-29C-S-15)		**Soil**			**Sampled: 12/13/07 09:00**					
% Solids	NCA SOP	92.5	-----	0.0100	% by Weight	1x	7120880	12/21/07 09:49	12/21/07 09:49	
PQL0764-04 (U-29C-S-20)		**Soil**			**Sampled: 12/13/07 09:05**					
% Solids	NCA SOP	77.0	-----	0.0100	% by Weight	1x	7120880	12/21/07 09:49	12/21/07 09:49	
PQL0764-05 (U-29C-S-25)		**Soil**			**Sampled: 12/13/07 09:10**					
% Solids	NCA SOP	70.4	-----	0.0100	% by Weight	1x	7120880	12/21/07 09:49	12/21/07 09:49	
PQL0764-14 (U-29C-S-70)		**Soil**			**Sampled: 12/14/07 11:05**					
% Solids	NCA SOP	70.0	-----	0.0100	% by Weight	1x	7120880	12/21/07 09:49	12/21/07 09:49	
PQL0764-15 (U-29C-S-75)		**Soil**			**Sampled: 12/14/07 11:30**					
% Solids	NCA SOP	82.2	-----	0.0100	% by Weight	1x	7120880	12/21/07 09:49	12/21/07 09:49	

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7730 SW Mohawk Street	Project Number:	ISCP.00922.40	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/17/08 17:13

Gasoline Hydrocarbons per NW TPH-Gx Method - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120844 **Soil Preparation Method: EPA 5035 Modified**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7120844-BLK1)								Extracted: 12/20/07 15:00						
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	---	3.71	mg/kg wet	1x	--	--	--	--	--	--	12/20/07 18:30	
Surrogate(s): a,a,a-TFT		*Recovery: 112%*			*Limits: 50-150%*	"							*12/20/07 18:30*	
LCS (7120844-BS1)								Extracted: 12/20/07 15:00						
Gasoline Range Hydrocarbons	NW TPH-Gx	18.2	---	3.72	mg/kg wet	1x	--	23.3	78.1%	(70-130)	--	--	12/20/07 17:58	
Surrogate(s): a,a,a-TFT		*Recovery: 138%*			*Limits: 50-150%*	"							*12/20/07 17:58*	
Duplicate (7120844-DUP1)				QC Source: PQL0750-01				Extracted: 12/20/07 15:00						
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	---	6.36	mg/kg dry	1x	ND	--	--	--		(40)	12/20/07 19:46	
Surrogate(s): a,a,a-TFT		*Recovery: 90.4%*			*Limits: 50-150%*	"							*12/20/07 19:46*	
Duplicate (7120844-DUP2)				QC Source: PQL0750-02				Extracted: 12/20/07 15:00						
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	---	5.83	mg/kg dry	1x	ND	--	--	--	NR	(40)	12/21/07 01:39	
Surrogate(s): a,a,a-TFT		*Recovery: 89.8%*			*Limits: 50-150%*	"							*12/21/07 01:39*	
Matrix Spike (7120844-MS1)				QC Source: PQL0750-03				Extracted: 12/20/07 15:00						
Gasoline Range Hydrocarbons	NW TPH-Gx	26.8	---	5.74	mg/kg dry	1x	ND	35.9	74.6%	(65-130)	--	--	12/20/07 21:21	
Surrogate(s): a,a,a-TFT		*Recovery: 121%*			*Limits: 50-150%*	"							*12/20/07 21:21*	

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7730 SW Mohawk Street	Project Number:	ISCP.00922.40	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/17/08 17:13

TCLP Metals per EPA 1311/6000/7000 Series Methods - Laboratory Quality Control Results

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QC Batch: 7121081 **Soil Preparation Method: EPA 1311/3005**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7121081-BLK1)								Extracted: 12/29/07 17:51						
Lead	1311/6020	ND	---	0.0500	mg/l	1x	--	--	--	--	--	--	01/02/08 22:03	
LCS (7121081-BS1)								Extracted: 12/29/07 17:51						
Lead	1311/6020	0.369	---	0.0556	mg/l	1x	--	0.444	83.1%	(75-125)	--	--	01/02/08 22:10	
Duplicate (7121081-DUP1)				QC Source: PQL0711-04				Extracted: 12/29/07 17:51						
Lead	1311/6020	0.215	---	0.0500	mg/l	1x	0.225	--	--	--	4.23%	(20)	01/02/08 22:25	
Matrix Spike (7121081-MS1)				QC Source: PQL0764-04				Extracted: 12/29/07 17:51						
Lead	1311/6020	0.396	---	0.0556	mg/l	1x	0.00180	0.444	88.7%	(50-150)	--	--	01/02/08 22:47	
Matrix Spike (7121081-MS2)				QC Source: PQL0848-02				Extracted: 12/29/07 17:51						
Lead	1311/6020	0.323	---	0.0556	mg/l	1x	0.00820	0.444	70.9%	(50-150)	--	--	01/02/08 23:01	
Matrix Spike (7121081-MS3)				QC Source: PQL0886-02				Extracted: 12/29/07 17:51						
Lead	1311/6020	0.382	---	0.0556	mg/l	1x	0.000600	0.444	85.9%	(50-150)	--	--	01/02/08 23:40	

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7730 SW Mohawk Street	Project Number:	ISCP.00922.40	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/17/08 17:13

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120921 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7120921-BLK1)								Extracted: 12/22/07 11:08						
1,2-Dibromoethane	EPA 8260B	ND	---	49.5	ug/kg wet	2x	--	--	--	--	--	--	12/22/07 16:30	
1,2-Dichloroethane	"	ND	---	49.5	"	"	--	--	--	--	--	--	"	
Benzene	"	ND	---	19.8	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	49.5	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	49.5	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	39.6	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	198	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	49.5	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	198	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	49.5	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 101%*			*Limits: 75-125%*	*0.02x*							*12/22/07 16:30*	
1,2-DCA-d4		*97.4%*			*75-125%*	"							"	
Dibromofluoromethane		*94.4%*			*75-125%*	"							"	
Toluene-d8		*102%*			*75-125%*	"							"	
LCS (7120921-BS1)								Extracted: 12/22/07 11:08						
Benzene	EPA 8260B	2100	---	19.7	ug/kg wet	2x	--	1970	106%	(81.8-125)	--	--	12/22/07 14:33	
Toluene	"	2020	---	49.3	"	"	--	"	102%	(80-125)	--	--	"	
Ethylbenzene	"	2020	---	49.3	"	"	--	"	102%	(80-120)	--	--	"	
Xylenes (total)	"	6120	---	98.6	"	"	--	5920	103%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	2330	---	39.4	"	"	--	1970	118%	(80-128)	--	--	"	
Naphthalene	"	2270	---	197	"	"	--	"	115%	(76.1-153)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 103%*			*Limits: 75-125%*	*0.02x*							*12/22/07 14:33*	
1,2-DCA-d4		*108%*			*75-125%*	"							"	
Dibromofluoromethane		*109%*			*75-125%*	"							"	
Toluene-d8		*101%*			*75-125%*	"							"	
Matrix Spike (7120921-MS1)					QC Source: PQL0580-02			Extracted: 12/22/07 11:08						
Benzene	EPA 8260B	2460	---	23.7	ug/kg dry	2x	ND	2370	104%	(68.5-125)	--	--	12/22/07 15:07	
Toluene	"	2440	---	59.3	"	"	ND	"	103%	(70.3-125)	--	--	"	
Ethylbenzene	"	2420	---	59.3	"	"	ND	"	102%	(80-124)	--	--	"	
Xylenes (total)	"	7280	---	119	"	"	ND	7110	102%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	2440	---	47.4	"	"	ND	2370	103%	(80-130)	--	--	"	
Naphthalene	"	2480	---	237	"	"	ND	"	104%	(69-163)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 98.0%*			*Limits: 75-125%*	*0.02x*							*12/22/07 15:07*	
1,2-DCA-d4		*101%*			*75-125%*	"							"	
Dibromofluoromethane		*104%*			*75-125%*	"							"	
Toluene-d8		*101%*			*75-125%*	"							"	

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7730 SW Mohawk Street	Project Number:	ISCP.00922.40	Report Created:
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Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B - Laboratory Quality Control Results

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QC Batch: 7120921 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (7120921-MSD1)					QC Source: PQL0580-02				Extracted: 12/22/07 11:08					
Benzene	EPA 8260B	2450	---	23.7	ug/kg dry	2x	ND	2370	103%	(68.5-125)	0.578%	(25)	12/22/07 15:34	
Toluene	"	2480	---	59.3	"	"	ND	"	104%	(70.3-125)	1.40%	"	"	
Ethylbenzene	"	2410	---	59.3	"	"	ND	"	102%	(80-124)	0.589%	"	"	
Xylenes (total)	"	7230	---	119	"	"	ND	7120	102%	(70-130)	0.637%	"	"	
Methyl tert-butyl ether	"	2460	---	47.5	"	"	ND	2370	104%	(80-130)	1.07%	"	"	
Naphthalene	"	2650	---	237	"	"	ND	"	111%	(69-163)	6.58%	"	"	
Surrogate(s): 4-BFB		*Recovery: 98.6%*			*Limits: 75-125%*	*0.02x*							*12/22/07 15:34*	
1,2-DCA-d4		*101%*			*75-125%*	"							"	
Dibromofluoromethane		*104%*			*75-125%*	"							"	
Toluene-d8		*104%*			*75-125%*	"							"	

QC Batch: 7120945 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7120945-BLK1)									Extracted: 12/26/07 11:39					
1,2-Dibromoethane	EPA 8260B	ND	---	49.5	ug/kg wet	2x	--	--	--	--	--	--	12/26/07 15:05	
1,2-Dichloroethane	"	ND	---	49.5	"	"	--	--	--	--	--	--	"	
Benzene	"	ND	---	19.8	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	49.5	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	49.5	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	39.6	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	198	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	49.5	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	198	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	49.5	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 98.7%*			*Limits: 75-125%*	*0.02x*							*12/26/07 15:05*	
1,2-DCA-d4		*106%*			*75-125%*	"							"	
Dibromofluoromethane		*102%*			*75-125%*	"							"	
Toluene-d8		*104%*			*75-125%*	"							"	

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7730 SW Mohawk Street	Project Number:	ISCP.00922.40	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/17/08 17:13

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B - Laboratory Quality Control Results

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QC Batch: 7120945 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (7120945-BS1)								Extracted: 12/26/07 11:39						
Benzene	EPA 8260B	2080	---	19.4	ug/kg wet	2x	--	1940	107%	(81.8-125)	--	--	12/26/07 12:48	
Toluene	"	2030	---	48.5	"	"	--	"	105%	(80-125)	--	--	"	
Ethylbenzene	"	2000	---	48.5	"	"	--	"	103%	(80-120)	--	--	"	
Xylenes (total)	"	6060	---	97.0	"	"	--	5820	104%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	2330	---	38.8	"	"	--	1940	120%	(80-128)	--	--	"	
Naphthalene	"	2210	---	194	"	"	--	"	114%	(76.1-153)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 101%*			*Limits: 75-125%*	*0.02x*							*12/26/07 12:48*	
1,2-DCA-d4		*105%*			*75-125%*	"							"	
Dibromofluoromethane		*105%*			*75-125%*	"							"	
Toluene-d8		*101%*			*75-125%*	"							"	
Matrix Spike (7120945-MS1)					QC Source: PQL0627-01			Extracted: 12/26/07 11:39						
Benzene	EPA 8260B	2540	---	25.9	ug/kg dry	2x	40.5	2590	96.3%	(68.5-125)	--	--	12/26/07 13:15	
Toluene	"	2580	---	64.9	"	"	98.3	"	95.9%	(70.3-125)	--	--	"	
Ethylbenzene	"	2550	---	64.9	"	"	72.5	"	95.6%	(80-124)	--	--	"	
Xylenes (total)	"	7990	---	130	"	"	502	7780	96.3%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	2750	---	51.9	"	"	ND	2590	106%	(80-130)	--	--	"	
Naphthalene	"	2470	---	259	"	"	51.6	"	93.4%	(69-163)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 100%*			*Limits: 75-125%*	*0.02x*							*12/26/07 13:15*	
1,2-DCA-d4		*105%*			*75-125%*	"							"	
Dibromofluoromethane		*106%*			*75-125%*	"							"	
Toluene-d8		*102%*			*75-125%*	"							"	
Matrix Spike Dup (7120945-MSD1)					QC Source: PQL0627-01			Extracted: 12/26/07 11:39						
Benzene	EPA 8260B	2720	---	24.7	ug/kg dry	2x	40.5	2470	109%	(68.5-125)	7.00%	(25)	12/26/07 13:42	
Toluene	"	2850	---	61.6	"	"	98.3	"	111%	(70.3-125)	9.64%	"	"	
Ethylbenzene	"	2760	---	61.6	"	"	72.5	"	109%	(80-124)	7.96%	"	"	
Xylenes (total)	"	8620	---	123	"	"	502	7400	110%	(70-130)	7.53%	"	"	
Methyl tert-butyl ether	"	2750	---	49.3	"	"	ND	2470	111%	(80-130)	0.195%	"	"	
Naphthalene	"	2540	---	247	"	"	51.6	"	101%	(69-163)	2.50%	"	"	
Surrogate(s): 4-BFB		*Recovery: 100%*			*Limits: 75-125%*	*0.02x*							*12/26/07 13:42*	
1,2-DCA-d4		*102%*			*75-125%*	"							"	
Dibromofluoromethane		*105%*			*75-125%*	"							"	
Toluene-d8		*104%*			*75-125%*	"							"	

TestAmerica Portland

Christina Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	ISCP.00922.40	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/17/08 17:13

Polynuclear Aromatic Compounds per EPA 8270M-SIM - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120873 **Soil Preparation Method: EPA 3550**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7120873-BLK1)								Extracted: 12/21/07 12:20						
Acenaphthene	EPA 8270m	ND	---	13.4	ug/kg wet	1x	--	--	--	--	--	--	12/28/07 02:00	
Acenaphthylene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Dibenzo (a,h) anthracene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery:*	*87.9%*		*Limits:*	*24-125%*	"						*12/28/07 02:00*	
Pyrene-d10			*93.6%*			*41-141%*	"						"	
Benzo (a) pyrene-d12			*104%*			*38-143%*	"						"	
LCS (7120873-BS1)								Extracted: 12/21/07 12:20						
Acenaphthene	EPA 8270m	147	---	13.4	ug/kg wet	1x	--	166	88.6%	(33-139)	--	--	12/26/07 20:48	
Benzo (a) pyrene	"	158	---	13.4	"	"	--	"	95.0%	(45-149)	--	--	"	
Pyrene	"	140	---	13.4	"	"	--	"	84.5%	(39-138)	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery:*	*97.9%*		*Limits:*	*24-125%*	"						*12/26/07 20:48*	
Pyrene-d10			*92.7%*			*41-141%*	"						"	
Benzo (a) pyrene-d12			*107%*			*38-143%*	"						"	
Matrix Spike (7120873-MS1)				QC Source: PQL0764-03				Extracted: 12/21/07 12:20						RL3
Acenaphthene	EPA 8270m	159	---	289	ug/kg dry	20x	ND	180	88.3%	(33-139)	--	--	12/28/07 01:02	
Benzo (a) pyrene	"	183	---	289	"	"	25.8	"	87.4%	(45-149)	--	--	"	
Pyrene	"	169	---	289	"	"	ND	"	93.7%	(39-138)	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery:*	*117%*		*Limits:*	*24-125%*	"						*12/28/07 01:02*	
Pyrene-d10			*108%*			*41-141%*	"						"	
Benzo (a) pyrene-d12			*122%*			*38-143%*	"						"	

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	ISCP.00922.40	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/17/08 17:13

Polynuclear Aromatic Compounds per EPA 8270M-SIM - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120873 **Soil Preparation Method: EPA 3550**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (7120873-MSD1)					QC Source: PQL0764-03				Extracted: 12/21/07 12:20					RL3
Acenaphthene	EPA 8270m	157	---	289	ug/kg dry	20x	ND	180	87.3%	(33-139)	1.15%	(60)	12/28/07 01:34	
Benzo (a) pyrene	"	186	---	289	"	"	25.8	"	89.2%	(45-149)	1.77%	"	"	
Pyrene	"	177	---	289	"	"	ND	"	98.2%	(39-138)	4.64%	"	"	
Surrogate(s): Fluorene-d10		*Recovery:*	*103%*		*Limits:*	*24-125%*	"						*12/28/07 01:34*	
Pyrene-d10			*100%*			*41-141%*	"						"	
Benzo (a) pyrene-d12			*113%*			*38-143%*	"						"	

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	ISCP.00922.40	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/17/08 17:13

Percent Dry Weight (Solids) per Standard Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120880 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (7120880-DUP1)				QC Source: PQL0768-01				Extracted: 12/21/07 09:49						
% Solids	NCA SOP	82.1	---	0.0100	% by Weight	1x	81.1	--	--	--	1.23%	(20)	12/21/07 09:49	

TestAmerica Portland

Christina Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.

COP0016143

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	ISCP.00922.40	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/17/08 17:13

Notes and Definitions

Report Specific Notes:

Q8	-	Detected hydrocarbons in the gasoline range appear to be due to overlap of diesel range hydrocarbons.
RL1	-	Reporting limit raised due to sample matrix effects.
RL3	-	Reporting limit raised due to high concentrations of non-target analytes.
Z3	-	The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

ConocoPhillips Analysis Request/Chain of Custody

PQL0764

Lancaster Laboratories / Test America

For Lancaster Labs Use ONLY Acct. #: _____ Group # _____ Sample#: _____ SCR#: _____

007149

Site #: 15CP.00922.40 AOC#: _____

Site City: Portland State: OR

Enfos PO#: _____

ConocoPhillips PM: Mike Noll

Samplers Name: Joe Green

Analyses Requested — List total number of containers in the box under each analysis.

Preservation Codes

Preservative Codes: H = HCl, N = HNO_3, S = H_2SO_4, T = Thiosulfate, B = NaOH, O = Other

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (Potable / NPDES)	Matrix: Oil / Air	NWTPH 6x	BTEX/VOCs 8260B	PAHs 8270 MSIM	TOC 415.1	TCLP Pb									Remarks
U-29C-5-5	12/13/07	08:50	X		X																1-8oz. jar / 1-4oz. jar
U-29C-5-10	12/13/07	08:55	X		X																
U-29C-5-15	12/13/07	09:00	X		X			X	X	X	X										
U-29C-5-20	12/13/07	09:05	X		X			X	X	X	X	X									
U-29C-5-25	12/13/07	09:10	X		X			X	X	X	X	X									No TCLP Pb
U-29C-5-30	12/13/07	09:15	X		X																
U-29C-5-35	12/14/07	10:00	X		X																
U-29C-5-40	12/14/07	10:05	X		X																
U-29C-5-45	12/14/07	10:10	X		X																
U-29C-5-50	12/14/07	10:15	X		X																
U-29C-5-55	12/14/07	10:45	X		X																
U-29C-5-60	12/14/07	10:50	X		X																
U-29C-5-65	12/14/07	11:00	X		X																

Consultant Information:

Office City: Portland State: OR

Project Manager: Jessica Eckert

Phone Number: _____ Fax: _____

Email: JEckert@secor.com

Electronic Data Deliverables (Circle One) Yes / No Format _____

Reporting Requirements (Circle One)

Standard Reports/QC Summary Full Validation (LLI Type I)

NJ Regulatory NJ Reduced NY ASP-A NY ASP-B Other _____

Turnaround Time Requested in Business Days (TAT) (Circle One):

STD. 5 day 48 hour 24 hour Other _____

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12/19/07	15:50	[signature]	12/19	15:50
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____

Temperature Upon Receipt 3.9 C°

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

4531.02

COP0016145

ConocoPhillips Analysis Request/Chain of Custody

PQL0764

Lancaster Laboratories

For Lancaster Labs Use ONLY Acct. #: _____ Group # _____ Sample#: _____ SCR#: _____

007150

Site #: 15CP.00722.4C AOC#: _____

Site City: Portland State: OR

Enfos PO#: _____

ConocoPhillips PM: Mike Noll

Samplers Name: Joe Green

Analyses Requested — List total number of containers in the box under each analysis.

Preservation Codes

Matrix: Soil; Water (☐ Potable ☐ NPDES); ☐ Oil ☐ Air

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil/Air	NWTPH-Gx	RBDMVOCs 8260	PAHs 8270SIM	TOC 415.1	Remarks
U-29C-S-70	12/14/07	11:05	X		X			X	X	X	X	1-8oz. jar / 1-4oz. jar
U-29C-S-75	12/14/07	11:30	X		X			X	X	X	X	↓
U-29C-S-80	12/14/07	11:35	X		X							

Preservative Codes

H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

Consultant Information:

Office City: Portland State: OR

Project Manager: Jessica Eckert

Phone Number: _____ Fax: _____

Email: JEckart@secor.com

Electronic Data Deliverables (Circle One) Yes / No Format _____

Reporting Requirements (Circle One)

Standard Reports/QC Summary Full Validation (LLI Type I)

NJ Regulatory NJ Reduced NY ASP-A NY ASP-B Other _____

Turnaround Time Requested in Business Days (TAT) (Circle One):

STD. 5 day 48 hour 24 hour Other _____

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	12/14/07	15:50	[signature]	12/19	15:50
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other _____

Temperature Upon Receipt 3.9 C°

TestAmerica Sample Receipt Checklist

Cooler (Ut...

Received by: *(section A)
Date: 12/19/07
Time: 11:21
Initials: JT

Unpacked by: *(section B)
Date: 12/19/07
Initials: JT

Logged-in by:
Date: 12/19/07
Initials: JT

Work Order No. PQL0764
Client: Secor
Project: Conoco Phillips

Temperature out of range:
___Not enough Ice
___No Ice
___Ice Melted
___W/in 4 Hours
___Other:_____

***ESI Clients *(see Section C)*

Cooler Temperature (IR): 3.9 °C plastic glass NA *(oil/air samples. ESI client)*

Temperature Blank: ✓ °C

A

Custody Seals: (#____)

Signature: Y N Dated:_____
X None

Container Type:
1 #Cooler(s)
___#Box(s)
___None (___#Other:_____)

Coolant Type:
___Gel Ice
X Loose Ice
___None

Packing Material:
___Bubble Bags
___Styrofoam Cubbies
X None (___Other:_____)

Received from:
___TA Courier
___Senvoy
___UPS
___Fed Ex
X Client
___TDP
___DHL
___SDS
___Mid-Valley
___GS/TA
___GS/Senvoy
___Other:
_____

B

Sample Status:
(If N circled, see NOD)

General:			
Intact?	Y	N	
# Containers Match COC?	Y	N	none given
IDs Match COC?	Y	N	
For Analyses Requested:			
Correct Type & Preservation?	Y	N	
Adequate Volume?	Y	N	
Within Hold Time?	Y	N	
Volatiles/ Oil Quality:			
VOAs/ Syringes free of Headspace?	Y	N	NA
TB on COC? not provided	Y	N	~~NA~~
Metals:			
HNO3 Preserved?	Y	N	NA
Dissolved Metals Filtered?	Y	N	NA

C

***ESI Clients Only:

Temperature Blank: _____ °C not provided

All preserved bottles checked Y N NA *(voas/soils/all unp.)*
All preserved accordingly? Y N *(see NOD)* NA *(voas/soils/all unp.)*

FED EX/ UPS: Was the tracking paper keepable? YES NO

If circled NO, what is the Tracking number? _____

FED EX Goldstreak UPS DHL Other. _____

Project Managers:

Comments: _____

PM Reviewed: _____ *(Initial/Date)*

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

January 17, 2008

Christopher Sheridan
Delta Consultants - Portland
4640 SW Macadam Avenue, Suite 110
Portland, OR 97239

RE: Conoco Phillips

Enclosed are the results of analyses for samples received by the laboratory on 12/19/07 13:20. The following list is a summary of the Work Orders contained in this report, generated on 01/17/08 17:10.

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

Work Order	Project	ProjectNumber
PQL0750	Conoco Phillips	OR20922

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Delta Consultants - Portland	Project Name:	**Conoco Phillips**	
4640 SW Macadam Avenue, Suite 110	Project Number:	OR20922	Report Created:
Portland, OR 97239	Project Manager:	Christopher Sheridan	01/17/08 17:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
U-26.7.5	PQL0750-01	Soil	12/10/07 11:30	12/19/07 13:20
P-1A-8	PQL0750-02	Soil	12/11/07 10:00	12/19/07 13:20
U-28-8	PQL0750-03	Soil	12/10/07 15:00	12/19/07 13:20

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Delta Consultants - Portland	Project Name:	**Conoco Phillips**	
4640 SW Macadam Avenue, Suite 110	Project Number:	OR20922	Report Created:
Portland, OR 97239	Project Manager:	Christopher Sheridan	01/17/08 17:10

Gasoline Hydrocarbons per NW TPH-Gx Method

TestAmerica Portland

Analyte	Method	Result	MDL^	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0750-01 (U-26.7.5)		**Soil**			**Sampled: 12/10/07 11:30**					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	----	6.36	mg/kg dry	1x	7120844	12/20/07 15:00	12/20/07 19:14	
Surrogate(s): a,a,a-TFT			*93.2%*		*50 - 150 %*	"			"	
PQL0750-02 (P-1A-8)		**Soil**			**Sampled: 12/11/07 10:00**					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	----	5.83	mg/kg dry	1x	7120844	12/20/07 15:00	12/21/07 01:07	
Surrogate(s): a,a,a-TFT			*87.5%*		*50 - 150 %*	"			"	
PQL0750-03 (U-28-8)		**Soil**			**Sampled: 12/10/07 15:00**					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	----	5.74	mg/kg dry	1x	7120844	12/20/07 15:00	12/20/07 20.18	
Surrogate(s): a,a,a-TFT			*96.4%*		*50 - 150 %*	"			"	

TestAmerica Portland

Christina Woodcock, Project Manager

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Delta Consultants - Portland	Project Name:	**Conoco Phillips**	
4640 SW Macadam Avenue, Suite 110	Project Number:	OR20922	Report Created:
Portland, OR 97239	Project Manager:	Christopher Sheridan	01/17/08 17:10

Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0750-01 (U-26.7.5)		**Soil**			**Sampled: 12/10/07 11:30**					
Diesel Range Organics	NWTPH-Dx	ND	----	20.3	mg/kg dry	1x	7120830	12/20/07 14:15	12/21/07 00.50	
Heavy Oil Range Hydrocarbons	"	ND	----	40.6	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*83.0%*		*50 - 150 %*	"			"	
PQL0750-02 (P-1A-8)		**Soil**			**Sampled: 12/11/07 10:00**					
Diesel Range Organics	NWTPH-Dx	ND	----	19.7	mg/kg dry	1x	7120830	12/20/07 14:15	12/21/07 01:25	
Heavy Oil Range Hydrocarbons	"	ND	----	39.4	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*92.9%*		*50 - 150 %*	"			"	
PQL0750-03 (U-28-8)		**Soil**			**Sampled: 12/10/07 15:00**					
Diesel Range Organics	NWTPH-Dx	ND	----	18 2	mg/kg dry	1x	7120830	12/20/07 14:15	12/21/07 02:00	
Heavy Oil Range Hydrocarbons	"	ND	----	36.4	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*90.3%*		*50 - 150 %*	"			"	

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Christina Woodcock, Project Manager

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Delta Consultants - Portland	Project Name:	**Conoco Phillips**	
4640 SW Macadam Avenue, Suite 110	Project Number:	OR20922	Report Created:
Portland, OR 97239	Project Manager:	Christopher Sheridan	01/17/08 17:10

Total Metals per EPA 6000/7000 Series Methods

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0750-01 (U-26.7.5)		**Soil**			**Sampled: 12/10/07 11:30**					
Arsenic	EPA 6020	**4.24**	----	0.831	mg/kg dry	1x	7120998	12/27/07 12:00	01/02/08 18:11	
Cadmium	"	ND	----	0.831	"	"	"	"	"	
Chromium	"	**31.2**	----	0.831	"	"	"	"	"	
Copper	"	**35.2**	----	3.32	"	"	"	"	01/03/08 03:34	
Lead	"	**5.14**	----	0.831	"	"	"	"	01/02/08 18:11	
Selenium	"	ND	----	0.831	"	"	"	"	"	
Silver	"	ND	----	0.831	"	"	"	"	"	
Zinc	"	**60.5**	----	3.32	"	"	"	"	"	
PQL0750-02 (P-1A-8)		**Soil**			**Sampled: 12/11/07 10:00**					
Arsenic	EPA 6020	**3.40**	----	0.764	mg/kg dry	1x	7120998	12/27/07 12:00	01/02/08 18:19	
Cadmium	"	ND	----	0.764	"	"	"	"	"	
Chromium	"	**32.8**	----	0.764	"	"	"	"	"	
Copper	"	**33.2**	----	3.06	"	"	"	"	01/03/08 03:41	
Lead	"	**5.47**	----	0.764	"	"	"	"	01/02/08 18:19	
Selenium	"	ND	----	0.764	"	"	"	"	"	
Silver	"	ND	----	0.764	"	"	"	"	"	
Zinc	"	**62.2**	----	3.06	"	"	"	"	"	
PQL0750-03 (U-28-8)		**Soil**			**Sampled: 12/10/07 15:00**					
Arsenic	EPA 6020	**4.10**	----	0.709	mg/kg dry	1x	7120998	12/27/07 12:00	01/02/08 18:26	
Cadmium	"	ND	----	0.709	"	"	"	"	"	
Chromium	"	**32.9**	----	0.709	"	"	"	"	"	
Copper	"	**37.8**	----	2.83	"	"	"	"	01/03/08 03:48	
Lead	"	**5.65**	----	0.709	"	"	"	"	01/02/08 18:26	
Selenium	"	ND	----	0.709	"	"	"	"	"	
Silver	"	ND	----	0.709	"	"	"	"	"	
Zinc	"	**59.0**	----	2.83	"	"	"	"	"	

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4640 SW Macadam Avenue, Suite 110	Project Number:	OR20922	Report Created:
Portland, OR 97239	Project Manager:	Christopher Sheridan	01/17/08 17:10

Total Mercury per EPA Method 7471A

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0750-01 (U-26.7.5)		**Soil**			**Sampled: 12/10/07 11:30**					
Mercury	EPA 7471A	ND	----	0.125	mg/kg dry	1x	7120816	12/20/07 09:58	12/20/07 16:36	
PQL0750-02 (P-1A-8)		**Soil**			**Sampled: 12/11/07 10:00**					
Mercury	EPA 7471A	ND	----	0.0932	mg/kg dry	1x	7120816	12/20/07 09:58	12/20/07 16:38	
PQL0750-03 (U-28-8)		**Soil**			**Sampled: 12/10/07 15:00**					
Mercury	EPA 7471A	ND	----	0.0963	mg/kg dry	1x	7120816	12/20/07 09:58	12/20/07 16:41	

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Portland, OR 97239	Project Manager:	Christopher Sheridan	01/17/08 17:10

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0750-01 (U-26.7.5)		**Soil**			**Sampled: 12/10/07 11:30**					
1,2-Dichloroethane	EPA 8260B	ND	----	79.4	ug/kg dry	2x	7120921	12/22/07 11:08	12/22/07 20:37	
Benzene	"	ND	----	31.8	"	"	"	"	"	
Toluene	"	ND	----	79.4	"	"	"	"	"	
Ethylbenzene	"	ND	----	79.4	"	"	"	"	"	
Xylenes (total)	"	ND	----	159	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	63.6	"	"	"	"	"	
Naphthalene	"	ND	----	318	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	159	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	79.4	"	"	"	"	"	
Isopropylbenzene	"	ND	----	318	"	"	"	"	"	
n-Propylbenzene	"	ND	----	79.4	"	"	"	"	"	
Surrogate(s): 4-BFB			*101%*		*75 - 125 %*	*0.02x*			"	
1,2-DCA-d4			*92.5%*		*75 - 125 %*	"			"	
Dibromofluoromethane			*93.0%*		*75 - 125 %*	"			"	
Toluene-d8			*104%*		*75 - 125 %*	"			"	
PQL0750-02 (P-1A-8)		**Soil**			**Sampled: 12/11/07 10:00**					
1,2-Dibromoethane	EPA 8260B	ND	----	72.9	ug/kg dry	2x	7120921	12/22/07 11:08	12/22/07 21:05	
1,2-Dichloroethane	"	ND	----	72.9	"	"	"	"	"	
Benzene	"	ND	----	29.1	"	"	"	"	"	
Toluene	"	ND	----	72.9	"	"	"	"	"	
Ethylbenzene	"	ND	----	72.9	"	"	"	"	"	
Xylenes (total)	"	ND	----	146	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	58.3	"	"	"	"	"	
Naphthalene	"	ND	----	291	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	146	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	72.9	"	"	"	"	"	
Isopropylbenzene	"	ND	----	291	"	"	"	"	"	
n-Propylbenzene	"	ND	----	72.9	"	"	"	"	"	
Surrogate(s): 4-BFB			*100%*		*75 - 125 %*	*0.02x*			"	
1,2-DCA-d4			*90.9%*		*75 - 125 %*	"			"	
Dibromofluoromethane			*91.2%*		*75 - 125 %*	"			"	
Toluene-d8			*104%*		*75 - 125 %*	"			"	

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Delta Consultants - Portland	Project Name:	**Conoco Phillips**	
4640 SW Macadam Avenue, Suite 110	Project Number:	OR20922	Report Created:
Portland, OR 97239	Project Manager:	Christopher Sheridan	01/17/08 17:10

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B

TestAmerica Portland

Analyte	Method	Result	MDL[A]	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0750-03 (U-28-8)		**Soil**			**Sampled: 12/10/07 15:00**					
1,2-Dibromoethane	EPA 8260B	ND	----	71.8	ug/kg dry	2x	7120921	12/22/07 11:08	12/22/07 21:32	
1,2-Dichloroethane	"	ND	----	71.8	"	"	"	"	"	
Benzene	"	ND	----	28.7	"	"	"	"	"	
Toluene	"	ND	----	71.8	"	"	"	"	"	
Ethylbenzene	"	ND	----	71.8	"	"	"	"	"	
Xylenes (total)	"	ND	----	144	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	57.4	"	"	"	"	"	
Naphthalene	"	ND	----	287	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	144	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	71.8	"	"	"	"	"	
Isopropylbenzene	"	ND	----	287	"	"	"	"	"	
n-Propylbenzene	"	ND	----	71.8	"	"	"	"	"	
Surrogate(s): *4-BFB*			*101%*		*75 - 125 %*	*0.02x*			"	
1,2-DCA-d4			*95.2%*		*75 - 125 %*	"			"	
Dibromofluoromethane			*92.6%*		*75 - 125 %*	"			"	
Toluene-d8			*103%*		*75 - 125 %*	"			"	

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Polynuclear Aromatic Compounds per EPA 8270M-SIM

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0750-01 (U-26.7.5)		**Soil**			**Sampled: 12/10/07 11:30**					
2-Methylnaphthalene	EPA 8270m	ND	----	21.8	ug/kg dry	1x	7120825	12/20/07 10:29	12/27/07 22:41	
Acenaphthene	"	ND	----	21.8	"	"	"	"	"	
Acenaphthylene	"	ND	----	21.8	"	"	"	"	"	
Anthracene	"	ND	----	21.8	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	21.8	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	21.8	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	21.8	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	21.8	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	21.8	"	"	"	"	"	
Chrysene	"	ND	----	21.8	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	----	21.8	"	"	"	"	"	
Fluoranthene	"	ND	----	21.8	"	"	"	"	"	
Fluorene	"	ND	----	21.8	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	21.8	"	"	"	"	"	
Naphthalene	"	ND	----	21.8	"	"	"	"	"	
Phenanthrene	"	ND	----	21.8	"	"	"	"	"	
Pyrene	"	ND	----	21.8	"	"	"	"	"	
Surrogate(s): Fluorene-d10			*88.4%*		*24 - 125 %*	"			"	
Pyrene-d10			*115%*		*41 - 141 %*	"			"	
Benzo (a) pyrene-d12			*104%*		*38 - 143 %*	"			"	
PQL0750-02 (P-1A-8)		**Soil**			**Sampled: 12/11/07 10:00**					
2-Methylnaphthalene	EPA 8270m	ND	----	20.5	ug/kg dry	1x	7120825	12/20/07 10:29	12/27/07 23:15	
Acenaphthene	"	ND	----	20.5	"	"	"	"	"	
Acenaphthylene	"	ND	----	20.5	"	"	"	"	"	
Anthracene	"	ND	----	20.5	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	20.5	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	20.5	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	20.5	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	20.5	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	20.5	"	"	"	"	"	
Chrysene	"	ND	----	20.5	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	----	20.5	"	"	"	"	"	
Fluoranthene	"	ND	----	20.5	"	"	"	"	"	
Fluorene	"	ND	----	20.5	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	20.5	"	"	"	"	"	
Naphthalene	"	ND	----	20.5	"	"	"	"	"	
Phenanthrene	"	ND	----	20.5	"	"	"	"	"	
Pyrene	"	ND	----	20.5	"	"	"	"	"	
Surrogate(s): Fluorene-d10			*80.3%*		*24 - 125 %*	"			"	
Pyrene-d10			*101%*		*41 - 141 %*	"			"	
Benzo (a) pyrene-d12			*102%*		*38 - 143 %*	"			"	

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4640 SW Macadam Avenue, Suite 110	Project Number:	OR20922	Report Created:
Portland, OR 97239	Project Manager:	Christopher Sheridan	01/17/08 17:10

Polynuclear Aromatic Compounds per EPA 8270M-SIM

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0750-03 (U-28-8)		**Soil**			**Sampled: 12/10/07 15:00**					
2-Methylnaphthalene	EPA 8270m	ND	----	19.4	ug/kg dry	1x	7120825	12/20/07 10.29	12/27/07 23:48	
Acenaphthene	"	ND	----	19.4	"	"	"	"	"	
Acenaphthylene	"	ND	----	19.4	"	"	"	"	"	
Anthracene	"	ND	----	19.4	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	19.4	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	19.4	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	19.4	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	19.4	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	19.4	"	"	"	"	"	
Chrysene	"	ND	----	19.4	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	----	19.4	"	"	"	"	"	
Fluoranthene	"	ND	----	19.4	"	"	"	"	"	
Fluorene	"	ND	----	19.4	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	19.4	"	"	"	"	"	
Naphthalene	"	ND	----	19.4	"	"	"	"	"	
Phenanthrene	"	ND	----	19.4	"	"	"	"	"	
Pyrene	"	ND	----	19.4	"	"	"	"	"	
Surrogate(s):	*Fluorene-d10*		*80.6%*		*24 - 125 %*	"			"	
	Pyrene-d10		*96.3%*		*41 - 141 %*	"			"	
	Benzo (a) pyrene-d12		*105%*		*38 - 143 %*	"			"	

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Portland, OR 97239	Project Manager:	Christopher Sheridan	01/17/08 17:10

Percent Dry Weight (Solids) per Standard Methods

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0750-01 (U-26.7.5)		**Soil**			**Sampled: 12/10/07 11:30**					
% Solids	NCA SOP	61.4	----	0.0100	% by Weight	1x	7120849	12/20/07 15:32	12/20/07 15:32	
PQL0750-02 (P-1A-8)		**Soil**			**Sampled: 12/11/07 10:00**					
% Solids	NCA SOP	64.8	----	0.0100	% by Weight	1x	7120849	12/20/07 15:32	12/20/07 15:32	
PQL0750-03 (U-28-8)		**Soil**			**Sampled: 12/10/07 15:00**					
% Solids	NCA SOP	68.5	----	0.0100	% by Weight	1x	7120849	12/20/07 15:32	12/20/07 15:32	

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Gasoline Hydrocarbons per NW TPH-Gx Method - Laboratory Quality Control Results

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QC Batch: 7120844 **Soil Preparation Method: EPA 5035 Modified**

Analyte	Method	Result	MDL[A]	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7120844-BLK1)								Extracted: 12/20/07 15:00						
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	---	3.71	mg/kg wet	1x	--	--	--	--	--	--	12/20/07 18:30	
Surrogate(s): a,a,a-TFT		*Recovery: 112%*			*Limits: 50-150%*	"							*12/20/07 18:30*	
LCS (7120844-BS1)								Extracted: 12/20/07 15:00						
Gasoline Range Hydrocarbons	NW TPH-Gx	18.2	---	3.72	mg/kg wet	1x	--	23.3	78.1%	(70-130)	--	--	12/20/07 17:58	
Surrogate(s): a,a,a-TFT		*Recovery: 138%*			*Limits: 50-150%*	"							*12/20/07 17:58*	
Duplicate (7120844-DUP1)				QC Source: PQL0750-01				Extracted: 12/20/07 15:00						
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	---	6.36	mg/kg dry	1x	ND	--	--	--		(40)	12/20/07 19:46	
Surrogate(s): a,a,a-TFT		*Recovery: 90.4%*			*Limits: 50-150%*	"							*12/20/07 19:46*	
Duplicate (7120844-DUP2)				QC Source: PQL0750-02				Extracted: 12/20/07 15:00						
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	---	5.83	mg/kg dry	1x	ND	--	--	--	NR	(40)	12/21/07 01:39	
Surrogate(s): a,a,a-TFT		*Recovery: 89.8%*			*Limits: 50-150%*	"							*12/21/07 01:39*	
Matrix Spike (7120844-MS1)				QC Source: PQL0750-03				Extracted: 12/20/07 15:00						
Gasoline Range Hydrocarbons	NW TPH-Gx	26.8	---	5.74	mg/kg dry	1x	ND	35.9	74.6%	(65-130)	--	--	12/20/07 21:21	
Surrogate(s): a,a,a-TFT		*Recovery: 121%*			*Limits: 50-150%*	"							*12/20/07 21:21*	

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BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Delta Consultants - Portland	Project Name:	**Conoco Phillips**	
4640 SW Macadam Avenue, Suite 110	Project Number:	OR20922	Report Created:
Portland, OR 97239	Project Manager:	Christopher Sheridan	01/17/08 17:10

Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120830 **Soil Preparation Method: EPA 3550 Fuels**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7120830-BLK1)								Extracted: 12/20/07 14:15						
Diesel Range Organics	NWTPH-Dx	ND	---	12.5	mg/kg wet	1x	--	--	--	--	--	--	12/20/07 16:37	
Heavy Oil Range Hydrocarbons	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 96.7%*			*Limits: 50-150%*	"							*12/20/07 16:37*	
LCS (7120830-BS1)								Extracted: 12/20/07 14:15						
Diesel Range Organics	NWTPH-Dx	118	---	12.5	mg/kg wet	1x	--	125	94.5%	(50-150)	--	--	12/20/07 17:12	
Heavy Oil Range Hydrocarbons	"	70.0	---	25.0	"	"	--	75.0	93.4%	"	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 106%*			*Limits: 50-150%*	"							*12/20/07 17:12*	
Duplicate (7120830-DUP1)					QC Source: PQL0554-01			Extracted: 12/20/07 14:15						
Diesel Range Organics	NWTPH-Dx	6240	---	66.9	mg/kg dry	5x	5760	--	--	--	7.90%	(40)	12/21/07 04:21	Q9
Heavy Oil Range Hydrocarbons	"	2680	---	134	"	"	2470	--	--	--	8.41%	"	"	Q9
Surrogate(s): 1-Chlorooctadecane		*Recovery: 143%*			*Limits: 50-150%*	"							*12/21/07 04:21*	
Duplicate (7120830-DUP2)					QC Source: PQL0555-01			Extracted: 12/20/07 14:15						
Diesel Range Organics	NWTPH-Dx	ND	---	14.0	mg/kg dry	1x	ND	--	--	--	4.70%	(40)	12/20/07 17:47	
Heavy Oil Range Hydrocarbons	"	ND	---	27.9	"	"	ND	--	--	--		"	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 107%*			*Limits: 50-150%*	"							*12/20/07 17:47*	

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Christina M. Woodcock

Christina Woodcock, Project Manager

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4640 SW Macadam Avenue, Suite 110	Project Number:	OR20922	Report Created:
Portland, OR 97239	Project Manager:	Christopher Sheridan	01/17/08 17:10

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120998 **Soil Preparation Method: EPA 3050**

Analyte	Method	Result	MDL[A]	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7120998-BLK1)								Extracted: 12/27/07 12:00						
Arsenic	EPA 6020	ND	---	0.476	mg/kg wet	1x	--	--	--	--	--	--	01/02/08 15:56	
Cadmium	"	ND	---	0.476	"	"	--	--	--	--	--	--	"	
Chromium	"	ND	---	0.476	"	"	--	--	--	--	--	--	"	
Copper	"	ND	---	1.90	"	"	--	--	--	--	--	--	01/03/08 01:57	
Lead	"	ND	---	0.476	"	"	--	--	--	--	--	--	01/02/08 15.56	
Selenium	"	ND	---	0.476	"	"	--	--	--	--	--	--	"	
Silver	"	ND	---	0.476	"	"	--	--	--	--	--	--	"	
Zinc	"	ND	---	1 90	"	"	--	--	--	--	--	--	"	
LCS (7120998-BS1)								Extracted: 12/27/07 12:00						
Arsenic	EPA 6020	8.89	---	0.500	mg/kg wet	1x	--	10.0	88.9%	(80-120)	--	--	01/02/08 16:03	
Cadmium	"	8.91	---	0.500	"	"	--	"	89.1%	"	--	--	"	
Chromium	"	9.39	---	0.500	"	"	--	"	93.9%	"	--	--	"	
Copper	"	10.5	---	2.00	"	"	--	"	105%	"	--	--	01/03/08 02:05	
Lead	"	9.11	---	0.500	"	"	--	"	91.1%	"	--	--	01/02/08 16:03	
Selenium	"	4.15	---	0.500	"	"	--	5.00	83.0%	"	--	--	"	
Silver	"	4.60	---	0.500	"	"	--	"	92.1%	"	--	--	"	
Zinc	"	8.68	---	2.00	"	"	--	10.0	86.8%	"	--	--	"	
Duplicate (7120998-DUP1)				QC Source: PQL0666-04				Extracted: 12/27/07 12:00						
Arsenic	EPA 6020	4.81	---	0.611	mg/kg dry	1x	4.54	--	--	--	5.74%	(40)	01/02/08 16:35	
Cadmium	"	2.47	---	0.611	"	"	2.63	--	--	--	6.47%	"	"	
Chromium	"	17.3	---	0.611	"	"	17.2	--	--	--	0.496%	"	"	
Copper	"	37.6	---	2.44	"	"	39.0	--	--	--	3.65%	"	01/03/08 02:19	
Lead	"	106	---	0.611	"	"	110	--	--	--	3.75%	"	01/02/08 16:35	
Selenium	"	ND	---	0.611	"	"	ND	--	--	--	NR	"	"	
Silver	"	ND	---	0.611	"	"	ND	--	--	--	NR	"	"	
Zinc	"	140	---	2.44	"	"	125	--	--	--	11.2%	"	"	
Matrix Spike (7120998-MS1)				QC Source: PQL0666-07				Extracted: 12/27/07 12:00						
Arsenic	EPA 6020	13.7	---	0.592	mg/kg dry	1x	4.20	11.8	80.5%	(75-125)	--	--	01/02/08 16:57	
Cadmium	"	10 8	---	0.592	"	"	0.136	"	89.7%	"	--	--	"	
Chromium	"	26.9	---	0.592	"	"	16.2	"	90.2%	"	--	--	"	
Copper	"	28.6	---	2.37	"	"	13.2	"	130%	"	--	--	01/03/08 02:40	M7
Lead	"	24 9	---	0.592	"	"	14.6	"	86.8%	"	--	--	01/02/08 16:57	
Selenium	"	4.59	---	0.592	"	"	ND	5.92	77.6%	"	--	--	"	
Silver	"	5.34	---	0.592	"	"	ND	"	90.3%	"	--	--	"	
Zinc	"	60 9	---	2.37	"	"	51.8	11.8	77.2%	"	--	--	"	

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Christina M. Woodcock

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Delta Consultants - Portland	Project Name:	**Conoco Phillips**	
4640 SW Macadam Avenue, Suite 110	Project Number:	OR20922	Report Created:
Portland, OR 97239	Project Manager:	Christopher Sheridan	01/17/08 17:10

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120998 **Soil Preparation Method: EPA 3050**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (7120998-MS2)				QC Source: PQL0666-09				Extracted: 12/27/07 12:00						
Arsenic	EPA 6020	17.3	---	0.686	mg/kg dry	1x	6.20	13.7	80.7%	(75-125)	--	--	01/02/08 17:11	
Cadmium	"	12.3	---	0.686	"	"	ND	"	89.7%	"	--	--	"	
Chromium	"	40.0	---	0.686	"	"	27.4	"	91.5%	"	--	--	"	
Copper	"	41.5	---	2.74	"	"	22.8	"	136%	"	--	--	01/03/08 02:55	M7
Lead	"	22.6	---	0.686	"	"	9.62	"	94.3%	"	--	--	01/02/08 17:11	
Selenium	"	4.85	---	0.686	"	"	ND	6.86	70.7%	"	--	--	"	M8
Silver	"	6.12	---	0.686	"	"	ND	"	89.2%	"	--	--	"	
Zinc	"	71.0	---	2.74	"	"	59.2	13.7	85.8%	"	--	--	"	

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Portland, OR 97239	Project Manager:	Christopher Sheridan	01/17/08 17:10

Total Mercury per EPA Method 7471A - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120816 **Soil Preparation Method: EPA 7471A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7120816-BLK1)								Extracted: 12/20/07 09:58						
Mercury	EPA 7471A	ND	---	0.100	mg/kg wet	1x	--	--	--	--	--	--	12/20/07 15:47	
LCS (7120816-BS1)								Extracted: 12/20/07 09:58						
Mercury	EPA 7471A	0.976	---	0.100	mg/kg wet	1x	--	1.00	97.6%	(80-120)	--	--	12/20/07 15:49	
LCS Dup (7120816-BSD1)								Extracted: 12/20/07 09:58						
Mercury	EPA 7471A	0.999	---	0.100	mg/kg wet	1x	--	1.00	99.9%	(80-120)	2.38%	(20)	12/20/07 15:53	
Duplicate (7120816-DUP1)				QC Source: PQL0744-01				Extracted: 12/20/07 09:58						
Mercury	EPA 7471A	ND	---	0.467	mg/kg dry	1x	ND	--	--	--	NR	(40)	12/20/07 15:58	
Matrix Spike (7120816-MS1)				QC Source: PQL0744-01				Extracted: 12/20/07 09:58						
Mercury	EPA 7471A	4.17	---	0.515	mg/kg dry	1x	ND	5.15	80.9%	(75-125)	--	--	12/20/07 16:00	
Matrix Spike Dup (7120816-MSD1)				QC Source: PQL0744-01				Extracted: 12/20/07 09:58						
Mercury	EPA 7471A	4.19	---	0.498	mg/kg dry	1x	ND	4.98	84.2%	(75-125)	0.621%	(40)	12/20/07 16:04	

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4640 SW Macadam Avenue, Suite 110	Project Number:	OR20922	Report Created:
Portland, OR 97239	Project Manager:	Christopher Sheridan	01/17/08 17:10

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B - Laboratory Quality Control Results

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QC Batch: 7120921 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7120921-BLK1)								Extracted: 12/22/07 11:08						
1,2-Dibromoethane	EPA 8260B	ND	---	49.5	ug/kg wet	2x	--	--	--	--	--	--	12/22/07 16:30	
1,2-Dichloroethane	"	ND	---	49.5	"	"	--	--	--	--	--	--	"	
Benzene	"	ND	---	19.8	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	49.5	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	49.5	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	39.6	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	198	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	49.5	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	198	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	49.5	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 101%*			*Limits: 75-125%*	*0.02x*							*12/22/07 16:30*	
1,2-DCA-d4		*97.4%*			*75-125%*	"							"	
Dibromofluoromethane		*94.4%*			*75-125%*	"							"	
Toluene-d8		*102%*			*75-125%*	"							"	
LCS (7120921-BS1)								Extracted: 12/22/07 11:08						
Benzene	EPA 8260B	2100	---	19.7	ug/kg wet	2x	--	1970	106%	(81.8-125)	--	--	12/22/07 14:33	
Toluene	"	2020	---	49.3	"	"	--	"	102%	(80-125)	--	--	"	
Ethylbenzene	"	2020	---	49.3	"	"	--	"	102%	(80-120)	--	--	"	
Xylenes (total)	"	6120	---	98.6	"	"	--	5920	103%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	2330	---	39.4	"	"	--	1970	118%	(80-128)	--	--	"	
Naphthalene	"	2270	---	197	"	"	--	"	115%	(76.1-153)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 103%*			*Limits: 75-125%*	*0.02x*							*12/22/07 14:33*	
1,2-DCA-d4		*108%*			*75-125%*	"							"	
Dibromofluoromethane		*109%*			*75-125%*	"							"	
Toluene-d8		*101%*			*75-125%*	"							"	
Matrix Spike (7120921-MS1)					QC Source: PQL0580-02			Extracted: 12/22/07 11:08						
Benzene	EPA 8260B	2460	---	23.7	ug/kg dry	2x	ND	2370	104%	(68.5-125)	--	--	12/22/07 15:07	
Toluene	"	2440	---	59.3	"	"	ND	"	103%	(70.3-125)	--	--	"	
Ethylbenzene	"	2420	---	59.3	"	"	ND	"	102%	(80-124)	--	--	"	
Xylenes (total)	"	7280	---	119	"	"	ND	7110	102%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	2440	---	47.4	"	"	ND	2370	103%	(80-130)	--	--	"	
Naphthalene	"	2480	---	237	"	"	ND	"	104%	(69-163)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 98.0%*			*Limits: 75-125%*	*0.02x*							*12/22/07 15:07*	
1,2-DCA-d4		*101%*			*75-125%*	"							"	
Dibromofluoromethane		*104%*			*75-125%*	"							"	
Toluene-d8		*101%*			*75-125%*	"							"	

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Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120921 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (7120921-MSD1)				QC Source: PQL0580-02				Extracted: 12/22/07 11:08						
Benzene	EPA 8260B	2450	---	23.7	ug/kg dry	2x	ND	2370	103%	(68.5-125)	0.578%	(25)	12/22/07 15:34	
Toluene	"	2480	---	59.3	"	"	ND	"	104%	(70.3-125)	1.40%	"	"	
Ethylbenzene	"	2410	---	59.3	"	"	ND	"	102%	(80-124)	0.589%	"	"	
Xylenes (total)	"	7230	---	119	"	"	ND	7120	102%	(70-130)	0.637%	"	"	
Methyl tert-butyl ether	"	2460	---	47.5	"	"	ND	2370	104%	(80-130)	1.07%	"	"	
Naphthalene	"	2650	---	237	"	"	ND	"	111%	(69-163)	6.58%	"	"	
Surrogate(s):	*4-BFB*	*Recovery:*	*98.6%*		*Limits:*	*75-125%*	*0.02x*						*12/22/07 15:34*	
	1,2-DCA-d4		*101%*			*75-125%*	"						"	
	Dibromofluoromethane		*104%*			*75-125%*	"						"	
	Toluene-d8		*104%*			*75-125%*	"						"	

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Portland, OR 97239	Project Manager:	Christopher Sheridan	01/17/08 17:10

Polynuclear Aromatic Compounds per EPA 8270M-SIM - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120825 **Soil Preparation Method: EPA 3550**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7120825-BLK1)								Extracted: 12/20/07 10:29						
2-Methylnaphthalene	EPA 8270m	ND	---	13.3	ug/kg wet	1x	--	--	--	--	--	--	12/21/07 19:42	
Acenaphthene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Acenaphthylene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Dibenzo (a,h) anthracene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery: 98.5%*			*Limits: 24-125%*	"							*12/21/07 19:42*	
Pyrene-d10		*102%*			*41-141%*	"							"	
Benzo (a) pyrene-d12		*112%*			*38-143%*	"							"	
LCS (7120825-BS1)								Extracted: 12/20/07 10:29						
Acenaphthene	EPA 8270m	149	---	13.4	ug/kg wet	1x	--	166	90.0%	(33-139)	--	--	12/21/07 20:12	
Benzo (a) pyrene	"	175	---	13.4	"	"	--	"	105%	(45-149)	--	--	"	
Pyrene	"	157	---	13.4	"	"	--	"	94.3%	(39-138)	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery: 96.2%*			*Limits: 24-125%*	"							*12/21/07 20:12*	
Pyrene-d10		*99.1%*			*41-141%*	"							"	
Benzo (a) pyrene-d12		*112%*			*38-143%*	"							"	
Matrix Spike (7120825-MS1)					QC Source: PQL0759-02			Extracted: 12/20/07 10:29						
Acenaphthene	EPA 8270m	160	---	28.4	ug/kg dry	2x	ND	177	90.5%	(33-139)	--	--	12/26/07 17:41	
Benzo (a) pyrene	"	181	---	28.4	"	"	ND	"	102%	(45-149)	--	--	"	
Pyrene	"	159	---	28.4	"	"	ND	"	90.1%	(39-138)	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery: 94.1%*			*Limits: 24-125%*	"							*12/26/07 17:41*	
Pyrene-d10		*91.0%*			*41-141%*	"							"	
Benzo (a) pyrene-d12		*106%*			*38-143%*	"							"	

TestAmerica Portland

Christina Woodcock, Project Manager

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Delta Consultants - Portland	Project Name:	**Conoco Phillips**	
4640 SW Macadam Avenue, Suite 110	Project Number:	OR20922	Report Created:
Portland, OR 97239	Project Manager:	Christopher Sheridan	01/17/08 17:10

Polynuclear Aromatic Compounds per EPA 8270M-SIM - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120825 **Soil Preparation Method: EPA 3550**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (7120825-MSD1)					QC Source: PQL0759-02				Extracted: 12/20/07 10:29					
Acenaphthene	EPA 8270m	159	---	28.6	ug/kg dry	2x	ND	178	89.3%	(33-139)	0.774%	(60)	12/26/07 18:12	
Benzo (a) pyrene	"	171	---	28.6	"	"	ND	"	96.0%	(45-149)	5.90%	"	"	
Pyrene	"	153	---	28.6	"	"	ND	"	86.2%	(39-138)	3.92%	"	"	
Surrogate(s): Fluorene-d10		*Recovery: 94.6%*			*Limits: 24-125%*	"							*12/26/07 18:12*	
Pyrene-d10		*87.0%*			*41-141%*	"							"	
Benzo (a) pyrene-d12		*100%*			*38-143%*	"							"	

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Christina Woodcock, Project Manager

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Delta Consultants - Portland	Project Name:	**Conoco Phillips**	
4640 SW Macadam Avenue, Suite 110	Project Number:	OR20922	Report Created:
Portland, OR 97239	Project Manager:	Christopher Sheridan	01/17/08 17:10

Percent Dry Weight (Solids) per Standard Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120849 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (7120849-DUP1)				QC Source: PQL0464-03					Extracted: 12/20/07 15:32					
% Solids	NCA SOP	75.8	---	0.0100	% by Weight	1x	75.0	--	--	--	1.06%	(20)	12/20/07 15:32	

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Christina M. Woodcock

Christina Woodcock, Project Manager

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Delta Consultants - Portland	Project Name:	**Conoco Phillips**	
4640 SW Macadam Avenue, Suite 110	Project Number:	OR20922	Report Created:
Portland, OR 97239	Project Manager:	Christopher Sheridan	01/17/08 17:10

Notes and Definitions

Report Specific Notes:

M7 - The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).

M8 - The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).

Q9 - Hydrocarbon pattern most closely resembles crude oil or similar product.

Laboratory Reporting Conventions:

DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.

ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).

NR/NA - Not Reported / Not Available

dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.

wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.

RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).

MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.

MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.

Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.

Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Christina M. Woodcock

Christina Woodcock, Project Manager

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TestAmerica
ANALYTICAL TESTING CORPORATION

[illegible] North Creek Pkwy N Suite 400, Bothell, WA 98011-8241 425-420-9200 FAX 420-9210
[illegible] East Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
[illegible] SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
[illegible]

CHAIN OF CUSTODY REPORT

Work Order #: PQL0750

CLIENT: Delta / COP

REPORT TO: Chris Sheridan @ csheridan@deltaenv.com
ADDRESS:

PHONE: 503.639.8098 FAX:

INVOICE TO: Delta

P.O. NUMBER:

PROJECT NAME: COP Cutoff Wall Performance Evaluation

PROJECT NUMBER:

SAMPLED BY: CJS

PRESERVATIVE:

REQUESTED ANALYSES

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: ~~10~~ STD 7 5 4 3 2 1 <1

Petroleum Hydrocarbon Analyses: ~~5~~ STD 4 3 2 1 <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE TIME	TPH-G	TPH-D/O	PAHs (including 2-methylnaphthalene)	RBDM VOCs	Metals	MATRIX (W, S, O)	# OF CONT.	LOCATION COMMENTS	TA WO ID
1	U-26.7.5	12/10/07 1130	X	X	X	X	X	S	2	*Metals:	
2	P-1A-8	12/11/07 1000	↓	↓	↓	↓	↓	S	2	Ar, Cd, Cr,	
3	U-28-8	12/10/07 1500	↓	↓	↓	↓	↓	S	2	Cu, Pb, Hg, Selenium, Ag, Zn.	
4											
5											
6											
7											
8											
9											
10											

RELEASED BY: Chris Sheridan DATE: 12/19/07
PRINT NAME: [signature] FIRM: Delta TIME: 1030

RECEIVED BY: [signature] DATE: 12-19-07
PRINT NAME: Jeremy Morgan FIRM: TAP TIME: 1030

RELEASED BY: [signature] DATE: 12-19-07
PRINT NAME: [signature] FIRM: TAP TIME: 1320

RECEIVED BY: [signature] DATE: 12/19/07
PRINT NAME: Jamie Ireland FIRM: TAP TIME: 1320

ADDITIONAL REMARKS: Pls. Be sure to meet holly times Thanks!

TEMP: 3.7°C

PAGE OF

Call: 503.475.6835

COP0016170

TestAmerica Sample Receipt Checklist

Cooler ID(s):

Received by: *(section A)
Date: 12/19/07
Time: [illegible]
Initials: JI

Unpacked by: *(section B)
Date: 12/19/07
Initials: JI

Logged-in by:
Date: 12/19/07
Initials: RS

Work Order No. PQ L0750
Client: Delta
Project: Conoco Phillips

Temperature out of range:
___Not enough Ice
___No Ice
___Ice Melted
___W/in 4 Hours
___Other:_____

***ESI Clients *(see Section C)*

Cooler Temperature (IR):_____°C plastic glass NA *(oil/air samples, ESI client)*

Temperature Blank: 3.7 °C

A

Custody Seals: (#___)

Signature: Y N Dated:_____
X None

Container Type:
1 #Cooler(s)
___#Box(s)
___None (___#Other:_____)

Coolant Type:
___Gel Ice
X Loose Ice
___None

Packing Material:
___Bubble Bags
___Styrofoam Cubbies
X None (___Other:_____)

Received from:
X TA Courier
___Senvoy
___UPS
___Fed Ex
___Client
___TDP
___DHL
___SDS
___Mid-Valley
___GS/TA
___GS/Senvoy
___Other:
_____

B

Sample Status:
(If N circled, see NOD)

General:			
Intact?	Y	N	
# Containers Match COC?	Y	N	none given
IDs Match COC?	Y	N	
For Analyses Requested:			
Correct Type & Preservation?	Y	N	
Adequate Volume?	Y	N	
Within Hold Time?	Y	N	
Volatiles/ Oil Quality:			
VOAs/ Syringes free of Headspace?	Y	N	NA
TB on COC? not provided	Y	N	~~NA~~ JI
Metals:			
HNO3 Preserved?	Y	N	~~NA~~
Dissolved Metals Filtered?	Y	N	NA

C

***ESI Clients Only:

Temperature Blank: _____°C not provided

All preserved bottles checked Y N NA *(voas/soils/all unp.)*
All preserved accordingly? Y N *(see NOD)* NA *(voas/soils/all unp.)*

FED EX/ UPS: Was the tracking paper keepable? YES NO

If circled NO, what is the Tracking number? _____

FED EX Goldstreak UPS DHL Other: _____

Project Managers:

Comments _____

*PM Reviewed:*_____ *(Initial/Date)*

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THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

January 03, 2008

Christopher Sheridan
Delta Consultants - Tigard
7150 SW Hampton - Suite 220
Tigard, OR 97223

RE: Conoco Phillips

Enclosed are the results of analyses for samples received by the laboratory on 12/07/07 14:30. The following list is a summary of the Work Orders contained in this report, generated on 01/03/08 17:45.

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

Work Order	Project	ProjectNumber
PQL0319	Conoco Phillips	OR20922

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
U-24B-20	PQL0319-01	Soil	12/03/07 16:00	12/07/07 14:30
U-24A-8	PQL0319-02	Soil	12/04/07 11:15	12/07/07 14:30
U-23-8	PQL0319-03	Soil	12/05/07 10:45	12/07/07 14:30
U-22B-6.5	PQL0319-04	Soil	12/05/07 14:00	12/07/07 14:30
U-25-7.5	PQL0319-05	Soil	12/06/07 11:30	12/07/07 14:30
U-27-8	PQL0319-06	Soil	12/07/07 12:30	12/07/07 14:30

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Christina M. Woodcock

Christina Woodcock, Project Manager

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ph: (503) 906.9200 fax: (503) 906.9210

Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Gasoline Hydrocarbons per NW TPH-Gx Method

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0319-01 (U-24B-20)		**Soil**			**Sampled: 12/03/07 16:00**					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	----	6.43	mg/kg dry	1x	7120465	12/12/07 12:50	12/12/07 18:40	
Surrogate(s): a,a,a-TFT			*101%*		*50 - 150 %*	"			"	
PQL0319-02 (U-24A-8)		**Soil**			**Sampled: 12/04/07 11:15**					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	----	6.23	mg/kg dry	1x	7120465	12/12/07 12:50	12/12/07 17:03	
Surrogate(s): a,a,a-TFT			*101%*		*50 - 150 %*	"			"	
PQL0319-03 (U-23-8)		**Soil**			**Sampled: 12/05/07 10:45**					
Gasoline Range Hydrocarbons	NW TPH-Gx	**1600**	----	57.6	mg/kg dry	10x	7120465	12/12/07 12:50	12/13/07 11:16	
Surrogate(s): a,a,a-TFT			*5320%*		*50 - 150 %*	"			"	*ZX*
PQL0319-04 (U-22B-6.5)		**Soil**			**Sampled: 12/05/07 14:00**					
Gasoline Range Hydrocarbons	NW TPH-Gx	**415**	----	19.0	mg/kg dry	4x	7120465	12/11/07 13:09	12/12/07 20:45	
Surrogate(s): a,a,a-TFT			*256%*		*50 - 150 %*	"			"	*ZX*
PQL0319-05 (U-25-7.5)		**Soil**			**Sampled: 12/06/07 11:30**					**Q8**
Gasoline Range Hydrocarbons	NW TPH-Gx	**106**	----	5.96	mg/kg dry	1x	7120465	12/11/07 13:09	12/12/07 19:42	
Surrogate(s): a,a,a-TFT			*219%*		*50 - 150 %*	"			"	*ZX*
PQL0319-06 (U-27-8)		**Soil**			**Sampled: 12/07/07 12:30**					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	----	5.56	mg/kg dry	1x	7120465	12/11/07 13:09	12/12/07 22:51	
Surrogate(s): a,a,a-TFT			*102%*		*50 - 150 %*	"			"	

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Christina M. Woodcock

Christina Woodcock, Project Manager

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
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Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0319-01 (U-24B-20)			**Soil**			**Sampled: 12/03/07 16:00**				
Diesel Range Organics	NWTPH-Dx	ND	----	20.0	mg/kg dry	1x	7120520	12/13/07 14:20	12/13/07 18:04	
Heavy Oil Range Hydrocarbons	"	ND	----	40.1	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*91.3%*		*50 - 150 %*	"			"	
PQL0319-02 (U-24A-8)			**Soil**			**Sampled: 12/04/07 11:15**				
Diesel Range Organics	NWTPH-Dx	ND	----	20.0	mg/kg dry	1x	7120520	12/13/07 14:20	12/13/07 18:33	
Heavy Oil Range Hydrocarbons	"	ND	----	40.1	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*93.8%*		*50 - 150 %*	"			"	
PQL0319-03 (U-23-8)			**Soil**			**Sampled: 12/05/07 10:45**				
Diesel Range Organics	NWTPH-Dx	**1460**	----	19.1	mg/kg dry	1x	7120520	12/13/07 14:20	12/13/07 19:07	Q9
Heavy Oil Range Hydrocarbons	"	**41.8**	----	38.2	"	"	"	"	"	Q7
Surrogate(s): 1-Chlorooctadecane			*103%*		*50 - 150 %*	"			"	
PQL0319-04 (U-22B-6.5)			**Soil**			**Sampled: 12/05/07 14:00**				
Diesel Range Organics	NWTPH-Dx	**11100**	----	159	mg/kg dry	10x	7120520	12/13/07 14:20	12/13/07 19:42	Q9
Heavy Oil Range Hydrocarbons	"	ND	----	318	"	"	"	"	"	RL7
Surrogate(s): 1-Chlorooctadecane			*84.2%*		*50 - 150 %*	"			"	
PQL0319-05 (U-25-7.5)			**Soil**			**Sampled: 12/06/07 11:30**				
Diesel Range Organics	NWTPH-Dx	**68.4**	----	18.9	mg/kg dry	1x	7120520	12/13/07 14:20	12/13/07 20:18	Q9
Heavy Oil Range Hydrocarbons	"	ND	----	37.8	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*90.4%*		*50 - 150 %*	"			"	
PQL0319-06 (U-27-8)			**Soil**			**Sampled: 12/07/07 12:30**				
Diesel Range Organics	NWTPH-Dx	ND	----	18.3	mg/kg dry	1x	7120520	12/13/07 14:20	12/13/07 20:53	
Heavy Oil Range Hydrocarbons	"	ND	----	36.6	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*99.8%*		*50 - 150 %*	"			"	

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Christina M. Woodcock

Christina Woodcock, Project Manager

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Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Total Metals per EPA 6000/7000 Series Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0319-01 (U-24B-20)		**Soil**			**Sampled: 12/03/07 16:00**					
Arsenic	EPA 6020	**4.05**	----	0.788	mg/kg dry	1x	7120584	12/14/07 14:30	12/19/07 03:33	
Cadmium	"	ND	----	0.788	"	"	"	"	"	
Chromium	"	**35.9**	----	0.788	"	"	"	"	"	
Copper	"	**40.2**	----	3.15	"	"	"	"	"	
Lead	"	**6.60**	----	0.788	"	"	"	"	"	
Selenium	"	ND	----	0.788	"	"	"	"	12/19/07 13:40	
Silver	"	ND	----	0.788	"	"	"	"	12/19/07 03:33	
Zinc	"	**76.1**	----	3.15	"	"	"	"	"	
PQL0319-02 (U-24A-8)		**Soil**			**Sampled: 12/04/07 11:15**					
Arsenic	EPA 6020	**5.56**	----	0.795	mg/kg dry	1x	7120584	12/14/07 14:30	12/19/07 03:47	
Cadmium	"	ND	----	0.795	"	"	"	"	"	
Chromium	"	**31.5**	----	0.795	"	"	"	"	"	
Copper	"	**33.5**	----	3.18	"	"	"	"	"	
Lead	"	**6.38**	----	0.795	"	"	"	"	"	
Selenium	"	ND	----	0.795	"	"	"	"	12/19/07 18:22	
Silver	"	ND	----	0.795	"	"	"	"	12/19/07 03:47	
Zinc	"	**62.4**	----	3.18	"	"	"	"	"	
PQL0319-03 (U-23-8)		**Soil**			**Sampled: 12/05/07 10:45**					
Arsenic	EPA 6020	**5.80**	----	0.775	mg/kg dry	1x	7120584	12/14/07 14:30	12/19/07 04:09	
Cadmium	"	ND	----	0.775	"	"	"	"	"	
Chromium	"	**43.2**	----	0.775	"	"	"	"	"	
Copper	"	**44.4**	----	3.10	"	"	"	"	"	
Lead	"	**13.8**	----	0.775	"	"	"	"	"	
Selenium	"	ND	----	0.775	"	"	"	"	12/19/07 18:44	
Silver	"	ND	----	0.775	"	"	"	"	12/19/07 04:09	
Zinc	"	**83.7**	----	3.10	"	"	"	"	"	
PQL0319-04 (U-22B-6.5)		**Soil**			**Sampled: 12/05/07 14:00**					
Arsenic	EPA 6020	**4.71**	----	0.598	mg/kg dry	1x	7120584	12/14/07 14:30	12/19/07 04:38	
Cadmium	"	ND	----	0.598	"	"	"	"	"	
Chromium	"	**20.0**	----	0.598	"	"	"	"	"	
Copper	"	**19.4**	----	2.39	"	"	"	"	"	
Lead	"	**21.6**	----	0.598	"	"	"	"	"	
Selenium	"	ND	----	0.598	"	"	"	"	12/19/07 19:00	
Silver	"	ND	----	0.598	"	"	"	"	12/19/07 04:38	
Zinc	"	**78.8**	----	2.39	"	"	"	"	"	

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Total Metals per EPA 6000/7000 Series Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0319-05 (U-25-7.5)		**Soil**			**Sampled: 12/06/07 11:30**					
Arsenic	EPA 6020	**3.84**	----	0.745	mg/kg dry	1x	7120584	12/14/07 14:30	12/19/07 04:46	
Cadmium	"	ND	----	0.745	"	"	"	"	"	
Chromium	"	**44.0**	----	0.745	"	"	"	"	"	
Copper	"	**48.6**	----	2.98	"	"	"	"	"	
Lead	"	**14.7**	----	0.745	"	"	"	"	"	
Selenium	"	ND	----	0.745	"	"	"	"	12/19/07 19:07	
Silver	"	ND	----	0.745	"	"	"	"	12/19/07 04:46	
Zinc	"	**86.6**	----	2.98	"	"	"	"	"	
PQL0319-06 (U-27-8)		**Soil**			**Sampled: 12/07/07 12:30**					
Arsenic	EPA 6020	**3.63**	----	0.743	mg/kg dry	1x	7120584	12/14/07 14:30	12/19/07 04:53	
Cadmium	"	ND	----	0.743	"	"	"	"	"	
Chromium	"	**38.3**	----	0.743	"	"	"	"	"	
Copper	"	**37.7**	----	2.97	"	"	"	"	"	
Lead	"	**6.34**	----	0.743	"	"	"	"	"	
Selenium	"	ND	----	0.743	"	"	"	"	12/19/07 19:15	
Silver	"	ND	----	0.743	"	"	"	"	12/19/07 04:53	
Zinc	"	**77.5**	----	2.97	"	"	"	"	"	

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Christina Woodcock, Project Manager

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Total Mercury per EPA Method 7471A

TestAmerica Portland

Analyte		Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0319-01	**(U-24B-20)**		**Soil**			**Sampled: 12/03/07 16:00**					
Mercury		EPA 7471A	ND	----	0.157	mg/kg dry	1x	7120411	12/11/07 13:23	12/11/07 15:08	
PQL0319-02	**(U-24A-8)**		**Soil**			**Sampled: 12/04/07 11:15**					
Mercury		EPA 7471A	ND	----	0.140	mg/kg dry	1x	7120411	12/11/07 13:23	12/11/07 15:18	
PQL0319-03	**(U-23-8)**		**Soil**			**Sampled: 12/05/07 10:45**					
Mercury		EPA 7471A	ND	----	0.127	mg/kg dry	1x	7120411	12/11/07 13:23	12/11/07 15:20	
PQL0319-04	**(U-22B-6.5)**		**Soil**			**Sampled: 12/05/07 14:00**					
Mercury		EPA 7471A	**0.102**	----	0.0972	mg/kg dry	1x	7120411	12/11/07 13:23	12/11/07 15:23	
PQL0319-05	**(U-25-7.5)**		**Soil**			**Sampled: 12/06/07 11:30**					
Mercury		EPA 7471A	ND	----	0.115	mg/kg dry	1x	7120411	12/11/07 13:23	12/11/07 15:25	
PQL0319-06	**(U-27-8)**		**Soil**			**Sampled: 12/07/07 12:30**					
Mercury		EPA 7471A	ND	----	0.0786	mg/kg dry	1x	7120411	12/11/07 13:23	12/11/07 15:27	

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Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0319-01 (U-24B-20)		**Soil**			**Sampled: 12/03/07 16:00**					
1,2-Dibromoethane	EPA 8260B	ND	----	77.5	ug/kg dry	2x	7120351	12/10/07 11:51	12/10/07 23:05	
1,2-Dichloroethane	"	ND	----	77.5	"	"	"	"	"	
Benzene	"	ND	----	31.0	"	"	"	"	"	
Toluene	"	ND	----	77.5	"	"	"	"	"	
Ethylbenzene	"	ND	----	77.5	"	"	"	"	"	
Xylenes (total)	"	ND	----	155	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	62.0	"	"	"	"	"	
Naphthalene	"	ND	----	310	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	155	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	77.5	"	"	"	"	"	
Isopropylbenzene	"	ND	----	310	"	"	"	"	"	
n-Propylbenzene	"	ND	----	77.5	"	"	"	"	"	
Surrogate(s): 4-BFB			*98.3%*		*75 - 125 %*	*0.02x*			"	
1,2-DCA-d4			*107%*		*75 - 125 %*	"			"	
Dibromofluoromethane			*101%*		*75 - 125 %*	"			"	
Toluene-d8			*109%*		*75 - 125 %*	"			"	
PQL0319-02 (U-24A-8)		**Soil**			**Sampled: 12/04/07 11:15**					
1,2-Dibromoethane	EPA 8260B	ND	----	77.0	ug/kg dry	2x	7120351	12/10/07 11:51	12/10/07 23:32	
1,2-Dichloroethane	"	ND	----	77.0	"	"	"	"	"	
Benzene	"	ND	----	30.8	"	"	"	"	"	
Toluene	"	ND	----	77.0	"	"	"	"	"	
Ethylbenzene	"	ND	----	77.0	"	"	"	"	"	
Xylenes (total)	"	ND	----	154	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	61.6	"	"	"	"	"	
Naphthalene	"	ND	----	308	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	154	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	77.0	"	"	"	"	"	
Isopropylbenzene	"	ND	----	308	"	"	"	"	"	
n-Propylbenzene	"	ND	----	77.0	"	"	"	"	"	
Surrogate(s): 4-BFB			*99.7%*		*75 - 125 %*	*0.02x*			"	
1,2-DCA-d4			*104%*		*75 - 125 %*	"			"	
Dibromofluoromethane			*97.0%*		*75 - 125 %*	"			"	
Toluene-d8			*106%*		*75 - 125 %*	"			"	

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Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0319-03 (U-23-8)		**Soil**			**Sampled: 12/05/07 10:45**					
1,2-Dibromoethane	EPA 8260B	ND	----	74.9	ug/kg dry	2x	7120351	12/10/07 11:51	12/10/07 23:59	
1,2-Dichloroethane	"	ND	----	74.9	"	"	"	"	"	
Benzene	"	ND	----	29.9	"	"	"	"	"	
Toluene	"	ND	----	74.9	"	"	"	"	"	
Ethylbenzene	"	**278**	----	74.9	"	"	"	"	"	
Xylenes (total)	"	**404**	----	150	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	59.9	"	"	"	"	"	
Naphthalene	"	ND	----	299	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	150	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	74.9	"	"	"	"	"	
Isopropylbenzene	"	**3650**	----	299	"	"	"	"	"	
n-Propylbenzene	"	**14300**	----	74.9	"	"	"	"	"	
Surrogate(s): 4-BFB		*99.4%*		*75 - 125 %*		*0.02x*			"	
1,2-DCA-d4		*118%*		*75 - 125 %*		"			"	
Dibromofluoromethane		*110%*		*75 - 125 %*		"			"	
Toluene-d8		*111%*		*75 - 125 %*		"			"	
PQL0319-04 (U-22B-6.5)		**Soil**			**Sampled: 12/05/07 14:00**					
1,2-Dibromoethane	EPA 8260B	ND	----	59.5	ug/kg dry	2x	7120404	12/11/07 13:09	12/12/07 00:28	
1,2-Dichloroethane	"	ND	----	59.5	"	"	"	"	"	
Benzene	"	ND	----	23.8	"	"	"	"	"	
Toluene	"	ND	----	59.5	"	"	"	"	"	
Ethylbenzene	"	ND	----	59.5	"	"	"	"	"	
Xylenes (total)	"	ND	----	119	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	47.6	"	"	"	"	"	
Naphthalene	"	ND	----	238	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	119	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	59.5	"	"	"	"	"	
Isopropylbenzene	"	**452**	----	238	"	"	"	"	"	
n-Propylbenzene	"	**1110**	----	59.5	"	"	"	"	"	
Surrogate(s): 4-BFB		*109%*		*75 - 125 %*		*0.02x*			"	
1,2-DCA-d4		*99.7%*		*75 - 125 %*		"			"	
Dibromofluoromethane		*97.2%*		*75 - 125 %*		"			"	
Toluene-d8		*106%*		*75 - 125 %*		"			"	

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Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0319-05 (U-25-7.5)		**Soil**			**Sampled: 12/06/07 11:30**					
1,2-Dibromoethane	EPA 8260B	ND	----	74.5	ug/kg dry	2x	7120404	12/11/07 13:09	12/12/07 00:56	
1,2-Dichloroethane	"	ND	----	74.5	"	"	"	"	"	
Benzene	"	ND	----	29.8	"	"	"	"	"	
Toluene	"	ND	----	74.5	"	"	"	"	"	
Ethylbenzene	"	ND	----	74.5	"	"	"	"	"	
Xylenes (total)	"	ND	----	149	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	59.6	"	"	"	"	"	
Naphthalene	"	ND	----	298	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	149	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	74.5	"	"	"	"	"	
Isopropylbenzene	"	ND	----	298	"	"	"	"	"	
n-Propylbenzene	"	ND	----	74.5	"	"	"	"	"	
Surrogate(s): 4-BFB			*99.0%*		*75 - 125 %*	*0.02x*			"	
1,2-DCA-d4			*103%*		*75 - 125 %*	"			"	
Dibromofluoromethane			*97.0%*		*75 - 125 %*	"			"	
Toluene-d8			*105%*		*75 - 125 %*	"			"	
PQL0319-06 (U-27-8)		**Soil**			**Sampled: 12/07/07 12:30**					
1,2-Dibromoethane	EPA 8260B	ND	----	69.5	ug/kg dry	2x	7120404	12/11/07 13:09	12/12/07 01:23	
1,2-Dichloroethane	"	ND	----	69.5	"	"	"	"	"	
Benzene	"	ND	----	27.8	"	"	"	"	"	
Toluene	"	ND	----	69.5	"	"	"	"	"	
Ethylbenzene	"	ND	----	69.5	"	"	"	"	"	
Xylenes (total)	"	ND	----	139	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	55.6	"	"	"	"	"	
Naphthalene	"	ND	----	278	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	139	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	69.5	"	"	"	"	"	
Isopropylbenzene	"	ND	----	278	"	"	"	"	"	
n-Propylbenzene	"	ND	----	69.5	"	"	"	"	"	
Surrogate(s): 4-BFB			*102%*		*75 - 125 %*	*0.02x*			"	
1,2-DCA-d4			*102%*		*75 - 125 %*	"			"	
Dibromofluoromethane			*97.0%*		*75 - 125 %*	"			"	
Toluene-d8			*108%*		*75 - 125 %*	"			"	

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Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Polynuclear Aromatic Compounds per EPA 8270M-SIM

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0319-01 (U-24B-20)		**Soil**			**Sampled: 12/03/07 16:00**					
2-Methylnaphthalene	EPA 8270m	ND	---	21.6	ug/kg dry	1x	7120342	12/10/07 16:50	12/21/07 21:44	
Acenaphthene	"	ND	---	21.6	"	"	"	"	"	
Acenaphthylene	"	ND	---	21.6	"	"	"	"	"	
Anthracene	"	ND	---	21.6	"	"	"	"	"	
Benzo (a) anthracene	"	ND	---	21.6	"	"	"	"	"	
Benzo (a) pyrene	"	ND	---	21.6	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	---	21.6	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	---	21.6	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	---	21.6	"	"	"	"	"	
Chrysene	"	ND	---	21.6	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	---	21.6	"	"	"	"	"	
Fluoranthene	"	ND	---	21.6	"	"	"	"	"	
Fluorene	"	ND	---	21.6	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	21.6	"	"	"	"	"	
Naphthalene	"	ND	---	21.6	"	"	"	"	"	
Phenanthrene	"	ND	---	21.6	"	"	"	"	"	
Pyrene	"	ND	---	21.6	"	"	"	"	"	
Surrogate(s): Fluorene-d10			*83.9%*		*24 - 125 %*	"			"	
Pyrene-d10			*81.6%*		*41 - 141 %*	"			"	
Benzo (a) pyrene-d12			*83.7%*		*38 - 143 %*	"			"	
PQL0319-02 (U-24A-8)		**Soil**			**Sampled: 12/04/07 11:15**					
2-Methylnaphthalene	EPA 8270m	ND	---	21.3	ug/kg dry	1x	7120342	12/10/07 16:50	12/21/07 22:15	
Acenaphthene	"	ND	---	21.3	"	"	"	"	"	
Acenaphthylene	"	ND	---	21.3	"	"	"	"	"	
Anthracene	"	ND	---	21.3	"	"	"	"	"	
Benzo (a) anthracene	"	ND	---	21.3	"	"	"	"	"	
Benzo (a) pyrene	"	ND	---	21.3	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	---	21.3	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	---	21.3	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	---	21.3	"	"	"	"	"	
Chrysene	"	ND	---	21.3	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	---	21.3	"	"	"	"	"	
Fluoranthene	"	ND	---	21.3	"	"	"	"	"	
Fluorene	"	ND	---	21.3	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	21.3	"	"	"	"	"	
Naphthalene	"	ND	---	21.3	"	"	"	"	"	
Phenanthrene	"	ND	---	21.3	"	"	"	"	"	
Pyrene	"	ND	---	21.3	"	"	"	"	"	
Surrogate(s): Fluorene-d10			*78.8%*		*24 - 125 %*	"			"	
Pyrene-d10			*76.1%*		*41 - 141 %*	"			"	
Benzo (a) pyrene-d12			*74.9%*		*38 - 143 %*	"			"	

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Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Polynuclear Aromatic Compounds per EPA 8270M-SIM

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0319-03 (U-23-8)		**Soil**			**Sampled: 12/05/07 10:45**					**RL3**
2-Methylnaphthalene	EPA 8270m	ND	----	202	ug/kg dry	10x	7120342	12/10/07 16:50	12/21/07 22:45	
Acenaphthene	"	**440**	----	202	"	"	"	"	"	
Acenaphthylene	"	ND	----	202	"	"	"	"	"	
Anthracene	"	ND	----	303	"	"	"	"	"	RL1
Benzo (a) anthracene	"	ND	----	202	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	202	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	202	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	202	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	202	"	"	"	"	"	
Chrysene	"	ND	----	202	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	----	202	"	"	"	"	"	
Fluoranthene	"	ND	----	202	"	"	"	"	"	
Fluorene	"	**2000**	----	202	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	202	"	"	"	"	"	
Naphthalene	"	ND	----	605	"	"	"	"	"	RL1
Phenanthrene	"	**3630**	----	202	"	"	"	"	"	
Pyrene	"	ND	----	202	"	"	"	"	"	
Surrogate(s): Fluorene-d10			*79.6%*		*24 - 125 %*	"			"	
Pyrene-d10			*77.6%*		*41 - 141 %*	"			"	
Benzo (a) pyrene-d12			*82.2%*		*38 - 143 %*	"			"	
PQL0319-04 (U-22B-6.5)		**Soil**			**Sampled: 12/05/07 14:00**					**RL3**
2-Methylnaphthalene	EPA 8270m	ND	----	333	ug/kg dry	20x	7120342	12/10/07 16:50	12/28/07 05:10	
Acenaphthene	"	**731**	----	333	"	"	"	"	"	
Acenaphthylene	"	ND	----	333	"	"	"	"	"	
Anthracene	"	ND	----	499	"	"	"	"	"	RL1
Benzo (a) anthracene	"	ND	----	333	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	333	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	333	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	333	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	333	"	"	"	"	"	
Chrysene	"	ND	----	333	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	----	333	"	"	"	"	"	
Fluoranthene	"	ND	----	333	"	"	"	"	"	
Fluorene	"	**3010**	----	333	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	333	"	"	"	"	"	
Naphthalene	"	ND	----	499	"	"	"	"	"	RL1
Phenanthrene	"	ND	----	499	"	"	"	"	"	RL1
Pyrene	"	ND	----	333	"	"	"	"	"	
Surrogate(s): Fluorene-d10			*NR*		*24 - 125 %*	"			"	*Z9*

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Christina Woodcock, Project Manager

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Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Polynuclear Aromatic Compounds per EPA 8270M-SIM

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0319-04 (U-22B-6.5)		**Soil**			**Sampled: 12/05/07 14:00**					**RL3**
Pyrene-d10			*NR*		*41 - 141 %*	*20x*			*12/28/07 05:10*	*Z9*
Benzo (a) pyrene-d12			*43.8%*		*38 - 143 %*	"			"	*Z3*
PQL0319-05 (U-25-7.5)		**Soil**			**Sampled: 12/06/07 11:30**					
2-Methylnaphthalene	EPA 8270m	ND	----	20.3	ug/kg dry	1x	7120342	12/10/07 16:50	12/21/07 23:46	
Acenaphthene	"	ND	----	20.3	"	"	"	"	"	
Acenaphthylene	"	ND	----	20.3	"	"	"	"	"	
Anthracene	"	ND	----	20.3	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	20.3	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	20.3	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	20.3	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	20.3	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	20.3	"	"	"	"	"	
Chrysene	"	ND	----	20.3	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	----	20.3	"	"	"	"	"	
Fluoranthene	"	ND	----	20.3	"	"	"	"	"	
Fluorene	"	**67.3**	----	20.3	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	20.3	"	"	"	"	"	
Naphthalene	"	ND	----	40.6	"	"	"	"	"	RL1
Phenanthrene	"	**67.4**	----	20.3	"	"	"	"	"	
Pyrene	"	ND	----	20.3	"	"	"	"	"	
Surrogate(s): Fluorene-d10			*80.9%*		*24 - 125 %*	"			"	
Pyrene-d10			*79.2%*		*41 - 141 %*	"			"	
Benzo (a) pyrene-d12			*87.3%*		*38 - 143 %*	"			"	
PQL0319-06 (U-27-8)		**Soil**			**Sampled: 12/07/07 12:30**					
2-Methylnaphthalene	EPA 8270m	ND	----	19.5	ug/kg dry	1x	7120342	12/10/07 16:50	12/22/07 00:17	
Acenaphthene	"	ND	----	19.5	"	"	"	"	"	
Acenaphthylene	"	ND	----	19.5	"	"	"	"	"	
Anthracene	"	ND	----	19.5	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	19.5	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	19.5	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	19.5	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	19.5	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	19.5	"	"	"	"	"	
Chrysene	"	ND	----	19.5	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	----	19.5	"	"	"	"	"	
Fluoranthene	"	ND	----	19.5	"	"	"	"	"	
Fluorene	"	ND	----	19.5	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	19.5	"	"	"	"	"	
Naphthalene	"	ND	----	19.5	"	"	"	"	"	

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Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Polynuclear Aromatic Compounds per EPA 8270M-SIM

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0319-06 (U-27-8)		**Soil**			**Sampled: 12/07/07 12:30**					
Phenanthrene	EPA 8270m	ND	---	19.5	ug/kg dry	1x	7120342	12/10/07 16:50	12/22/07 00:17	
Pyrene	"	ND	---	19.5	"	"	"	"	"	
Surrogate(s): Fluorene-d10			*84.3%*		*24 - 125 %*	"			"	
Pyrene-d10			*80.1%*		*41 - 141 %*	"			"	
Benzo (a) pyrene-d12			*79.3%*		*38 - 143 %*	"			"	

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Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Percent Dry Weight (Solids) per Standard Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQL0319-01 (U-24B-20)		**Soil**			**Sampled: 12/03/07 16:00**					
% Solids	NCA SOP	61.6	----	0.0100	% by Weight	1x	7120396	12/11/07 09:37	12/11/07 09:37	
PQL0319-02 (U-24A-8)		**Soil**			**Sampled: 12/04/07 11:15**					
% Solids	NCA SOP	62.9	----	0.0100	% by Weight	1x	7120396	12/11/07 09:37	12/11/07 09:37	
PQL0319-03 (U-23-8)		**Soil**			**Sampled: 12/05/07 10:45**					
% Solids	NCA SOP	65.8	----	0.0100	% by Weight	1x	7120396	12/11/07 09:37	12/11/07 09:37	
PQL0319-04 (U-22B-6.5)		**Soil**			**Sampled: 12/05/07 14:00**					
% Solids	NCA SOP	80.4	----	0.0100	% by Weight	1x	7120396	12/11/07 09:37	12/11/07 09:37	
PQL0319-05 (U-25-7.5)		**Soil**			**Sampled: 12/06/07 11:30**					
% Solids	NCA SOP	65.8	----	0.0100	% by Weight	1x	7120396	12/11/07 09:37	12/11/07 09:37	
PQL0319-06 (U-27-8)		**Soil**			**Sampled: 12/07/07 12:30**					
% Solids	NCA SOP	68.7	----	0.0100	% by Weight	1x	7120396	12/11/07 09:37	12/11/07 09:37	

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7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Gasoline Hydrocarbons per NW TPH-Gx Method - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120465 **Soil Preparation Method: EPA 5035 Modified**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7120465-BLK1)								Extracted: 12/12/07 12:50						
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	---	3.88	mg/kg wet	1x	--	--	--	--	--	--	12/12/07 16:15	
Surrogate(s): a,a,a-TFT		*Recovery: 114%*			*Limits: 50-150%*	"							*12/12/07 16:15*	
LCS (7120465-BS1)								Extracted: 12/12/07 12:50						
Gasoline Range Hydrocarbons	NW TPH-Gx	21.0	---	3.78	mg/kg wet	1x	--	23.6	88.7%	(70-130)	--	--	12/12/07 15:43	
Surrogate(s): a,a,a-TFT		*Recovery: 134%*			*Limits: 50-150%*	"							*12/12/07 15:43*	
Duplicate (7120465-DUP1)				QC Source: PQL0319-02				Extracted: 12/12/07 12:50						
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	---	6.23	mg/kg dry	1x	ND	--	--	--	NR	(40)	12/12/07 17:35	
Surrogate(s): a,a,a-TFT		*Recovery: 99.7%*			*Limits: 50-150%*	"							*12/12/07 17:35*	
Duplicate (7120465-DUP2)				QC Source: PQL0319-06				Extracted: 12/12/07 12:50						
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	---	5.56	mg/kg dry	1x	ND	--	--	--	26.1%	(40)	12/12/07 23:23	
Surrogate(s): a,a,a-TFT		*Recovery: 104%*			*Limits: 50-150%*	"							*12/12/07 23:23*	
Matrix Spike (7120465-MS1)				QC Source: PQL0319-01				Extracted: 12/12/07 12:50						
Gasoline Range Hydrocarbons	NW TPH-Gx	32.4	---	6.43	mg/kg dry	1x	ND	40.2	80.6%	(65-130)	--	--	12/12/07 19:11	
Surrogate(s): a,a,a-TFT		*Recovery: 125%*			*Limits: 50-150%*	"							*12/12/07 19:11*	

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Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method - Laboratory Quality Control Results

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QC Batch: 7120520 **Soil Preparation Method: EPA 3550 Fuels**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7120520-BLK1)								Extracted: 12/13/07 14:20						
Diesel Range Organics	NWTPH-Dx	ND	---	12.5	mg/kg wet	1x	--	--	--	--	--	--	12/13/07 15:44	
Heavy Oil Range Hydrocarbons	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 106%*			*Limits: 50-150%*	"							*12/13/07 15:44*	
LCS (7120520-BS1)								Extracted: 12/13/07 14:20						
Diesel Range Organics	NWTPH-Dx	117	---	12.5	mg/kg wet	1x	--	125	93.7%	(50-150)	--	--	12/13/07 16:20	
Heavy Oil Range Hydrocarbons	"	64.2	---	25.0	"	"	--	75.0	85.6%	"	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 108%*			*Limits: 50-150%*	"							*12/13/07 16:20*	
Duplicate (7120520-DUP1)					QC Source: PQL0319-01			Extracted: 12/13/07 14:20						
Diesel Range Organics	NWTPH-Dx	ND	---	20.5	mg/kg dry	1x	ND	--	--	--	NR	(50)	12/13/07 16:55	
Heavy Oil Range Hydrocarbons	"	ND	---	41.1	"	"	ND	--	--	--	NR	"	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 91.2%*			*Limits: 50-150%*	"							*12/13/07 16:55*	
Duplicate (7120520-DUP2)					QC Source: PQL0319-02			Extracted: 12/13/07 14:20						
Diesel Range Organics	NWTPH-Dx	ND	---	19.8	mg/kg dry	1x	ND	--	--	--		(50)	12/13/07 17:30	
Heavy Oil Range Hydrocarbons	"	ND	---	39.5	"	"	ND	--	--	--	NR	"	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 105%*			*Limits: 50-150%*	"							*12/13/07 17:30*	

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Christina Woodcock, Project Manager

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Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

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QC Batch: 7120584 **Soil Preparation Method: EPA 3050**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7120584-BLK1)								Extracted: 12/14/07 14:30						
Arsenic	EPA 6020	ND	---	0.515	mg/kg wet	1x	--	--	--	--	--	--	12/19/07 03:11	
Cadmium	"	ND	---	0.515	"	"	--	--	--	--	--	--	"	
Chromium	"	ND	---	0.515	"	"	--	--	--	--	--	--	"	
Copper	"	ND	---	2.06	"	"	--	--	--	--	--	--	"	
Lead	"	ND	---	0.515	"	"	--	--	--	--	--	--	"	
Selenium	"	ND	---	0.515	"	"	--	--	--	--	--	--	12/19/07 13:18	
Silver	"	ND	---	0.515	"	"	--	--	--	--	--	--	12/19/07 03:11	
Zinc	"	ND	---	2.06	"	"	--	--	--	--	--	--	"	
LCS (7120584-BS1)								Extracted: 12/14/07 14:30						
Arsenic	EPA 6020	11.1	---	0.505	mg/kg wet	1x	--	10.1	110%	(80-120)	--	--	12/19/07 03:18	
Cadmium	"	10.2	---	0.505	"	"	--	"	101%	"	--	--	"	
Chromium	"	11.8	---	0.505	"	"	--	"	117%	"	--	--	"	
Copper	"	11.6	---	2.02	"	"	--	"	115%	"	--	--	"	
Lead	"	11.2	---	0.505	"	"	--	"	111%	"	--	--	"	
Selenium	"	4.19	---	0.505	"	"	--	5.05	83.0%	"	--	--	12/19/07 13:55	
Silver	"	5.31	---	0.505	"	"	--	"	105%	"	--	--	12/19/07 03:18	
Zinc	"	10.9	---	2.02	"	"	--	10.1	108%	"	--	--	"	
Duplicate (7120584-DUP1)					QC Source: PQL0319-01			Extracted: 12/14/07 14:30						
Arsenic	EPA 6020	4.18	---	0.837	mg/kg dry	1x	4.05	--	--	--	3.24%	(40)	12/19/07 03:40	
Cadmium	"	ND	---	0.837	"	"	ND	--	--	--	NR	"	"	
Chromium	"	37.6	---	0.837	"	"	35.9	--	--	--	4.68%	"	"	
Copper	"	41.9	---	3.35	"	"	40.2	--	--	--	4.10%	"	"	
Lead	"	6.88	---	0.837	"	"	6.60	--	--	--	4.19%	"	"	
Selenium	"	ND	---	0.837	"	"	ND	--	--	--	NR	"	12/19/07 13:48	
Silver	"	ND	---	0.837	"	"	ND	--	--	--	6.00%	"	12/19/07 03:40	
Zinc	"	79.9	---	3.35	"	"	76.1	--	--	--	4.94%	"	"	
Matrix Spike (7120584-MS1)					QC Source: PQL0319-02			Extracted: 12/14/07 14:30						
Arsenic	EPA 6020	19.3	---	0.803	mg/kg dry	1x	5.56	16.1	85.5%	(75-125)	--	--	12/19/07 04:02	
Cadmium	"	16.0	---	0.803	"	"	ND	"	99.8%	"	--	--	"	
Chromium	"	50.9	---	0.803	"	"	31.5	"	121%	"	--	--	"	
Copper	"	50.4	---	3.21	"	"	33.5	"	106%	"	--	--	"	
Lead	"	22.8	---	0.803	"	"	6.38	"	103%	"	--	--	"	
Selenium	"	4.75	---	0.803	"	"	ND	8.03	59.2%	"	--	--	12/19/07 18:37	M8
Silver	"	7.73	---	0.803	"	"	ND	"	96.3%	"	--	--	12/19/07 04:02	
Zinc	"	82.3	---	3.21	"	"	62.4	16.1	124%	"	--	--	"	

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Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

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QC Batch: 7120584 **Soil Preparation Method: EPA 3050**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (7120584-MS2)				QC Source: PQL0319-03				Extracted: 12/14/07 14:30						
Arsenic	EPA 6020	21.3	---	0.783	mg/kg dry	1x	5.80	15.7	99.0%	(75-125)	--	--	12/19/07 04:17	
Cadmium	"	18.0	---	0.783	"	"	ND	"	115%	"	--	--	"	
Chromium	"	60.4	---	0.783	"	"	43.2	"	110%	"	--	--	"	
Copper	"	61.7	---	3.13	"	"	44.4	"	110%	"	--	--	"	
Lead	"	34.6	---	0.783	"	"	13.8	"	132%	"	--	--	"	MHA
Selenium	"	4.70	---	0.783	"	"	ND	7.83	60.0%	"	--	--	12/19/07 18:52	M8
Silver	"	8.77	---	0.783	"	"	0.109	"	111%	"	--	--	12/19/07 04:17	
Zinc	"	98.7	---	3.13	"	"	83.7	15.7	95.5%	"	--	--	"	

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Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Total Mercury per EPA Method 7471A - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120411 **Soil Preparation Method: EPA 7471A**

Analyte	Method	Result	MDL[A]	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7120411-BLK1)								Extracted: 12/11/07 13:23						
Mercury	EPA 7471A	ND	---	0.100	mg/kg wet	1x	--	--	--	--	--	--	12/11/07 14:10	
LCS (7120411-BS1)								Extracted: 12/11/07 13:23						
Mercury	EPA 7471A	0.989	---	0.100	mg/kg wet	1x	--	1.00	98.9%	(80-120)	--	--	12/11/07 14:13	
LCS Dup (7120411-BSD1)								Extracted: 12/11/07 13:23						
Mercury	EPA 7471A	1.01	---	0.100	mg/kg wet	1x	--	1.00	101%	(80-120)	1.83%	(20)	12/11/07 14:17	
Duplicate (7120411-DUP1)				QC Source: PQL0290-01				Extracted: 12/11/07 13:23						
Mercury	EPA 7471A	ND	---	0.118	mg/kg dry	1x	ND	--	--	--	NR	(40)	12/11/07 14:22	
Matrix Spike (7120411-MS1)				QC Source: PQL0290-01				Extracted: 12/11/07 13:23						
Mercury	EPA 7471A	1.16	---	0.114	mg/kg dry	1x	ND	1.14	102%	(75-125)	--	--	12/11/07 14:24	
Matrix Spike Dup (7120411-MSD1)				QC Source: PQL0290-01				Extracted: 12/11/07 13:23						
Mercury	EPA 7471A	1.13	---	0.112	mg/kg dry	1x	ND	1.12	100%	(75-125)	3.10%	(40)	12/11/07 14:28	

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Christina Woodcock, Project Manager

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
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Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120351 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7120351-BLK1)								Extracted: 12/10/07 11:51						
1,2-Dibromoethane	EPA 8260B	ND	---	49.8	ug/kg wet	2x	--	--	--	--	--	--	12/10/07 16:15	
1,2-Dichloroethane	"	ND	---	49.8	"	"	--	--	--	--	--	--	"	
Benzene	"	ND	---	19.9	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	49.8	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	49.8	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	99.5	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	39.8	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	199	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	99.5	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	49.8	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	199	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	49.8	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 99.8%*			*Limits: 75-125%*	*0.02x*							*12/10/07 16:15*	
1,2-DCA-d4		*113%*			*75-125%*	"							"	
Dibromofluoromethane		*106%*			*75-125%*	"							"	
Toluene-d8		*107%*			*75-125%*	"							"	
LCS (7120351-BS1)								Extracted: 12/10/07 11:51						
Benzene	EPA 8260B	2060	---	19.8	ug/kg wet	2x	--	1980	104%	(81.8-125)	--	--	12/10/07 13:58	
Toluene	"	2130	---	49.6	"	"	--	"	108%	(80-125)	--	--	"	
Ethylbenzene	"	1990	---	49.6	"	"	--	"	100%	(80-120)	--	--	"	
Xylenes (total)	"	6020	---	99.1	"	"	--	5950	101%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	2180	---	39.6	"	"	--	1980	110%	(80-128)	--	--	"	
Naphthalene	"	2390	---	198	"	"	--	"	120%	(76.1-153)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 101%*			*Limits: 75-125%*	*0.02x*							*12/10/07 13:58*	
1,2-DCA-d4		*116%*			*75-125%*	"							"	
Dibromofluoromethane		*113%*			*75-125%*	"							"	
Toluene-d8		*107%*			*75-125%*	"							"	
Matrix Spike (7120351-MS1)					QC Source: PQL0167-17			Extracted: 12/10/07 11:51						
Benzene	EPA 8260B	2250	---	23.9	ug/kg dry	2x	ND	2390	94.1%	(68.5-125)	--	--	12/10/07 14:26	
Toluene	"	2360	---	59.7	"	"	100	"	94.7%	(70.3-125)	--	--	"	
Ethylbenzene	"	2250	---	59.7	"	"	ND	"	94.2%	(80-124)	--	--	"	
Xylenes (total)	"	6730	---	119	"	"	ND	7160	94.0%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	2300	---	47.8	"	"	ND	2390	96.2%	(80-130)	--	--	"	
Naphthalene	"	2430	---	239	"	"	ND	"	102%	(69-163)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 101%*			*Limits: 75-125%*	*0.02x*							*12/10/07 14:26*	
1,2-DCA-d4		*114%*			*75-125%*	"							"	
Dibromofluoromethane		*113%*			*75-125%*	"							"	
Toluene-d8		*107%*			*75-125%*	"							"	

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Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120351 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (7120351-MSD1)				QC Source: PQL0167-17				Extracted: 12/10/07 11:51						
Benzene	EPA 8260B	2450	---	23.9	ug/kg dry	2x	ND	2390	103%	(68.5-125)	8.74%	(25)	12/10/07 14:53	
Toluene	"	2560	---	59.7	"	"	100	"	103%	(70.3-125)	8.01%	"	"	
Ethylbenzene	"	2460	---	59.7	"	"	ND	"	103%	(80-124)	9.02%	"	"	
Xylenes (total)	"	7390	---	119	"	"	ND	7160	103%	(70-130)	9.35%	"	"	
Methyl tert-butyl ether	"	2390	---	47.8	"	"	ND	2390	100%	(80-130)	4.18%	"	"	
Naphthalene	"	2530	---	239	"	"	ND	"	106%	(69-163)	3.90%	"	"	
Surrogate(s): 4-BFB		*Recovery: 102%*			*Limits: 75-125%*	*0.02x*							*12/10/07 14:53*	
1,2-DCA-d4		*110%*			*75-125%*	"							"	
Dibromofluoromethane		*109%*			*75-125%*	"							"	
Toluene-d8		*106%*			*75-125%*	"							"	

QC Batch: 7120404 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7120404-BLK1)								Extracted: 12/11/07 13:09						
1,2-Dibromoethane	EPA 8260B	ND	---	47.4	ug/kg wet	2x	--	--	--	--	--	--	12/11/07 20:49	
1,2-Dichloroethane	"	ND	---	47.4	"	"	--	--	--	--	--	--	"	
Benzene	"	ND	---	19.0	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	47.4	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	47.4	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	94.8	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	37.9	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	190	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	94.8	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	47.4	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	190	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	47.4	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 102%*			*Limits: 75-125%*	*0.02x*							*12/11/07 20:49*	
1,2-DCA-d4		*104%*			*75-125%*	"							"	
Dibromofluoromethane		*101%*			*75-125%*	"							"	
Toluene-d8		*106%*			*75-125%*	"							"	

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Christina Woodcock, Project Manager

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Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120404 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (7120404-BS1)								Extracted: 12/11/07 13:09						
Benzene	EPA 8260B	2020	---	19.8	ug/kg wet	2x	--	1980	102%	(81.8-125)	--	--	12/11/07 18:31	
Toluene	"	2080	---	49.6	"	"	--	"	105%	(80-125)	--	--	"	
Ethylbenzene	"	1960	---	49.6	"	"	--	"	98.9%	(80-120)	--	--	"	
Xylenes (total)	"	6000	---	99.2	"	"	--	5950	101%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	2090	---	39.7	"	"	--	1980	106%	(80-128)	--	--	"	
Naphthalene	"	2210	---	198	"	"	--	"	111%	(76.1-153)	--	--	"	
Surrogate(s): 4-BFB		*Recovery:*	*103%*		*Limits:*	*75-125%*	*0.02x*						*12/11/07 18:31*	
1,2-DCA-d4			*108%*			*75-125%*	"						"	
Dibromofluoromethane			*109%*			*75-125%*	"						"	
Toluene-d8			*105%*			*75-125%*	"						"	
Matrix Spike (7120404-MS1)					QC Source: PQL0259-30			Extracted: 12/11/07 13:09						
Benzene	EPA 8260B	2310	---	23.7	ug/kg dry	2x	ND	2370	97.8%	(68.5-125)	--	--	12/11/07 18:59	
Toluene	"	2370	---	59.1	"	"	10.8	"	99.9%	(70.3-125)	--	--	"	
Ethylbenzene	"	2260	---	59.1	"	"	ND	"	95.5%	(80-124)	--	--	"	
Xylenes (total)	"	6840	---	118	"	"	ND	7100	96.4%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	2360	---	47.3	"	"	ND	2370	99.8%	(80-130)	--	--	"	
Naphthalene	"	2400	---	237	"	"	ND	"	102%	(69-163)	--	--	"	
Surrogate(s): 4-BFB		*Recovery:*	*104%*		*Limits:*	*75-125%*	*0.02x*						*12/11/07 18:59*	
1,2-DCA-d4			*110%*			*75-125%*	"						"	
Dibromofluoromethane			*111%*			*75-125%*	"						"	
Toluene-d8			*108%*			*75-125%*	"						"	
Matrix Spike Dup (7120404-MSD1)					QC Source: PQL0259-30			Extracted: 12/11/07 13:09						
Benzene	EPA 8260B	2650	---	24.1	ug/kg dry	2x	ND	2410	110%	(68.5-125)	13.7%	(25)	12/11/07 19:26	
Toluene	"	2730	---	60.1	"	"	10.8	"	113%	(70.3-125)	13.8%	"	"	
Ethylbenzene	"	2570	---	60.1	"	"	ND	"	107%	(80-124)	12.8%	"	"	
Xylenes (total)	"	7870	---	120	"	"	ND	7220	109%	(70-130)	14.0%	"	"	
Methyl tert-butyl ether	"	2580	---	48.1	"	"	ND	2410	107%	(80-130)	8.63%	"	"	
Naphthalene	"	2700	---	241	"	"	ND	"	112%	(69-163)	11.9%	"	"	
Surrogate(s): 4-BFB		*Recovery:*	*101%*		*Limits:*	*75-125%*	*0.02x*						*12/11/07 19:26*	
1,2-DCA-d4			*109%*			*75-125%*	"						"	
Dibromofluoromethane			*110%*			*75-125%*	"						"	
Toluene-d8			*107%*			*75-125%*	"						"	

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Christina M. Woodcock

Christina Woodcock, Project Manager

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Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Polynuclear Aromatic Compounds per EPA 8270M-SIM - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120342 **Soil Preparation Method: EPA 3550**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7120342-BLK1)								Extracted: 12/10/07 16:50						
2-Methylnaphthalene	EPA 8270m	ND	---	13.3	ug/kg wet	1x	--	--	--	--	--	--	12/11/07 23:58	
Acenaphthene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Acenaphthylene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Dibenzo (a,h) anthracene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	13.3	"	"	--	--	--	--	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery: 89.0%*			*Limits: 24-125%*	"							*12/11/07 23:58*	
Pyrene-d10		*78.9%*			*41-141%*	"							"	
Benzo (a) pyrene-d12		*91.4%*			*38-143%*	"							"	
LCS (7120342-BS1)								Extracted: 12/10/07 16:50						MNR
Acenaphthene	EPA 8270m	153	---	13.3	ug/kg wet	1x	--	166	92.5%	(33-139)	--	--	12/12/07 00:30	
Benzo (a) pyrene	"	156	---	13.3	"	"	--	"	94.2%	(45-149)	--	--	"	
Pyrene	"	139	---	13.3	"	"	--	"	84.2%	(39-138)	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery: 94.5%*			*Limits: 24-125%*	"							*12/12/07 00:30*	
Pyrene-d10		*84.1%*			*41-141%*	"							"	
Benzo (a) pyrene-d12		*96.6%*			*38-143%*	"							"	

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Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Percent Dry Weight (Solids) per Standard Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 7120396 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (7120396-DUP1)				QC Source: PQL0314-02				Extracted: 12/11/07 09:37						
% Solids	NCA SOP	73.8	---	0.0100	% by Weight	1x	73.5	--	--	--	0.407%	(20)	12/11/07 09:37	

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Delta Consultants - Tigard	Project Name:	**Conoco Phillips**	
7150 SW Hampton - Suite 220	Project Number:	OR20922	Report Created:
Tigard, OR 97223	Project Manager:	Christopher Sheridan	01/03/08 17:45

Notes and Definitions

Report Specific Notes:

M8	-	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MHA	-	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
MNR	-	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
Q7	-	The heavy oil range organics present are due to hydrocarbons eluting primarily in the diesel range.
Q8	-	Detected hydrocarbons in the gasoline range appear to be due to overlap of diesel range hydrocarbons.
Q9	-	Hydrocarbon pattern most closely resembles weathered diesel.
RL1	-	Reporting limit raised due to sample matrix effects.
RL3	-	Reporting limit raised due to high concentrations of non-target analytes.
RL7	-	Sample required dilution due to high concentrations of target analyte.
Z3	-	The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
Z9	-	Unable to calculate surrogate recovery due to matrix interference.
ZX	-	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Christina M. Woodcock

Christina Woodcock, Project Manager

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11922 E. First Ave. Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave. Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
[illegible] Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: PQL0319

CLIENT: Delta / COP

REPORT TO: Chris Sheridan @ csheridan@deltaenv.com
ADDRESS: 503 639 8048
PHONE: FAX:

INVOICE TO: Delta

P.O. NUMBER:

PROJECT NAME: COP Cutoff Wall Performance Monitoring
PROJECT NUMBER:
SAMPLED BY: CJS

TURNAROUND REQUEST in Business Days*
Organic & Inorganic Analyses: 10 (STD) 7 5 4 3 2 1 <1
Petroleum Hydrocarbon Analyses: 5 (STD) 4 3 2 1 <1
OTHER Specify: STD
* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE

REQUESTED ANALYSES

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	TPH-G	TPH-D/O	PAHs (include 2-methyl naphthalene)	RBDM VOCs	Metals*	MATRIX (W, S, O)	# OF CONT.	LOCATION COMMENTS	TA WO ID
U-24B-20	12/3/07 1600	X	X	X	X	X	S	2	*Metals =	
U-24A-8	12/4/07 1115	↓	↓	↓	↓	↓	S	2	Ar, Cd, Cr,	
U-23-8	12/5/07 1045	↓	↓	↓	↓	↓	S	2	Cu, Pb, Hg,	
U-22B-6.5	12/5/07 1400	↓	↓	↓	↓	↓	S	2	Selenium, Ag,	
U-25-7.5	12/6/07 1130	↓	↓	↓	↓	↓	S	2	Zn	
U-27-8	12/7/07 1230	↓	↓	↓	↓	↓				

RELEASED BY: Chris Sheridan DATE: 12/7/07
PRINT NAME: [signature] FIRM: Delta TIME: 1430
RECEIVED BY: Peggy Siegfried DATE: 12/7/07
PRINT NAME: Peggy Siegfried FIRM: TAP TIME: 1430
RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:
RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS: Call w/ questions: Chris: 503-475-6835

TEMP: 2.1 PAGE OF

COC REV 09 2004

COP0016198

TestAmerica Sample Receipt Checklist

Cooler ID(s):

Received by: *(section A)*
Date: 12-7
Time: 14:30
Initials: _____

Unpacked by: *(section B)*
Date: 12-7
Initials: MM

Logged-in by:
Date: 12/07/07
Initials: [illegible]

Work Order No. PQ10319
Client: Delta Consultants
Project: Conoco Phillips

Temperature out of range
___Not enough Ice
___No Ice
___Ice Melted
___Win 4 Hours
___Other _____

***ESI Clients *(see Section C)*

Cooler Temperature (IR): 2-1 °C plastic (glass) NA *(oil/air samples, ESI client)* Temperature Blank: _____ °C

A

Custody Seals: (#____)

Signature: Y N Dated: _____
✓ None

Container Type:
✓ #Cooler(s)
___#Box(s)
___None (___#Other: _____)

Coolant Type:
___Gel Ice
✓ Loose Ice
___None

Packing Material:
___Bubble Bags
___Styrofoam Cubbies
✓ None (___Other: _____)

Received from:
___TA Courier
___Senvoy
___UPS
___Fed Ex
✓ Client
___TDP
___DHL
___SDS
___Mid-Valley
___GS/TA
___GS/Senvoy
___Other: _____

B

Sample Status:
(If N circled, see NOD)

General:
Intact? Y N
Containers Match COC? Y N none given
IDs Match COC? Y N

For Analyses Requested:
Correct Type & Preservation? Y N
Adequate Volume? Y N
Within Hold Time? Y N

Volatiles/ Oil Quality:
VOAs/ Syringes free of Headspace? Y N NA
TB on COC? not provided Y N NA

Metals:
HNO3 Preserved? Y N NA
Dissolved Metals Filtered? Y N NA

C

***ESI Clients Only:

Temperature Blank: _____ °C not provided

All preserved bottles checked Y N NA *(voas/soils/all unp.)*
All preserved accordingly? Y N *(see NOD)* NA *(voas/soils/all unp.)*

FED EX/ UPS: Was the tracking paper keepable? YES NO

If circled NO, what is the Tracking number? _____

FED EX Goldstreak UPS DHL Other: _____

Project Managers:

Comments: _____

PM Reviewed: _____ *(Initial/Date)*

COP0016199

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

January 16, 2008

Jessica Eckart
Secor
7730 SW Mohawk Street
Tualatin, OR 97062

RE: ConocoPhillips

Enclosed are the results of analyses for samples received by the laboratory on 01/11/08 15:55. The following list is a summary of the Work Orders contained in this report, generated on 01/16/08 12:51.

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

Work Order	Project	ProjectNumber
PRA0330	ConocoPhillips	ConocoPhillips

TCLP lead
Spent Carbon

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	ConocoPhillips	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/16/08 12:51

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SC-1-08	PRA0330-01	Soil	01/11/08 00:00	01/11/08 15:55

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.

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BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	ConocoPhillips	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/16/08 12:51

TCLP Metals per EPA 1311/6000/7000 Series Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0330-01 (SC-1-08)		**Soil**			**Sampled: 01/11/08 00:00**					
Lead	1311/6020	ND	-----	0.0500	mg/l	1x	8010477	01/15/08 13:20	01/15/08 20:47	

TestAmerica Portland

Christina Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	ConocoPhillips	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/16/08 12:51

TCLP Metals per EPA 1311/6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010477 **Other wet Preparation Method: EPA 1311/3005**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010477-BLK1)								Extracted: 01/15/08 13:20						
Lead	1311/6020	ND	---	0.0500	mg/l	1x	--	--	--	--	--	--	01/15/08 18:01	
LCS (8010477-BS1)								Extracted: 01/15/08 13:20						
Lead	1311/6020	0.156	---	0.0500	mg/l	1x	--	0.200	78.1%	(75-125)	--	--	01/15/08 18:08	
Duplicate (8010477-DUP1)				QC Source: PRA0239-01				Extracted: 01/15/08 13:20						
Lead	1311/6020	0.338	---	0.0500	mg/l	1x	0.332	--	--	--	1.82%	(20)	01/15/08 18:37	
Matrix Spike (8010477-MS1)				QC Source: PRA0239-02				Extracted: 01/15/08 13:20						
Lead	1311/6020	0.693	---	0.0500	mg/l	1x	0.536	0.200	78.6%	(50-150)	--	--	01/15/08 18:52	
Matrix Spike (8010477-MS2)				QC Source: PRA0334-01				Extracted: 01/15/08 13:20						
Lead	1311/6020	0.161	---	0.0500	mg/l	1x	0.00430	0.200	78.6%	(50-150)	--	--	01/15/08 21:09	

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	ConocoPhillips	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/16/08 12:51

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.

PRA0.330

TestAmerica Portland
9405 SW Nimbus Avenue

Beaverton, OR 97008
phone 503.906.9200 fax 503.906.9210

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Jessica Eckart	Site Contact: Norman Swanson	Date: 01/11/08	COC No: 1
SECOR International, Inc.		Lab Contact:	Carrier:	1 of 1 COCs
7730 SW Mohawk Blvd.	Analysis Turnaround Time			Job No. 15CP.00922
Tualtin, OR 97062	Calendar (C) or Work Days (W) _____			
(503) 691-2030 Phone	TAT if different from Below _____			
(503) 692-7074 FAX	☐ 2 weeks			SDG No.
Project Name: 0922 Portland Terminal (COP)	☐ 1 week			
Site: 0922	■ 2 days			
P O # Direct bill - call PM with questions	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	TCLP 8260 (see comments)	TCLP Pb	Sample Specific Notes:
SC-1-08	1/11/2008		Comp	Carbon	2		X	X	
									8260 TCLP:
									Vinyl Chloride; trichloroethene
									1,1-dichloroethene; chloroform;
									carbon tetrachloride; benzene;
									1,2-dichloroethane; tetrachloroethene;
									chlorobenzene; 2-butanone

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ■

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	SECOR	1-11-08 1557	[signature]	TAP	1/11/08 1555
Relinquished by:	Company:	Date/Time:	Received by:	Company: 7.3°	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

COP0016205

TestAmerica Sample Receipt Checklist

Cooler (Drs)

Received by: (section A)
Date: 1/11/08
Time: 1555
Initials: PJ

Unpacked by: (section B)
Date: 1/11/08
Initials: PJ

Logged-in by:
Date: 1/11/08
Initials: JT

Work Order No. PRA0330
Client: Secor
Project: Conoco Phillips

Temperature out of range.

___ Not enough Ice
___ No Ice
___ Ice Melted
X W/in 4 Hours
___ Other: _____

***ESI Clients (see Section C)

Cooler Temperature (IR): 7.3 °C plastic glass NA (oil/air samples, ESI client) Temperature Blank: _____ °C

A

Custody Seals: (#___)

Signature: Y N Dated: _____
X None

Container Type:
___ #Cooler(s)
___ #Box(s)
___ None (X #Other: tupperware)

Coolant Type:
___ Gel Ice
X Loose Ice
___ None

Packing Material:
___ Bubble Bags
___ Styrofoam Cubbies
X None (___ Other: _____)

Received from:
___ TA Courier
___ Senvoy
___ UPS
___ Fed Ex
X Client
___ TDP
___ DHL
___ SDS
___ Mid-Valley
___ GS/TA
___ GS/Senvoy
___ Other: _____

B

Sample Status:
(If N circled, see NOD)

General:			
Intact?	Y	N	
# Containers Match COC?	Y	N	none given
IDs Match COC?	Y	N	
For Analyses Requested:			
Correct Type & Preservation?	Y	N	
Adequate Volume?	Y	N	
Within Hold Time?	Y	N	
Volatiles/ Oil Quality:			
VOAs/ Syringes free of Headspace?	Y	N	NA
TB on COC? not provided	Y	N	NA
Metals:			
HNO3 Preserved?	Y	N	NA
Dissolved Metals Filtered?	Y	N	NA

C

***ESI Clients Only:

Temperature Blank. _____ °C not provided

All preserved bottles checked Y N NA (voas/soils/all unp.)
All preserved accordingly? Y N (see NOD) NA (voas/soils/all unp.)

FED EX/ UPS: Was the tracking paper keepable? YES NO

If circled NO, what is the Tracking number? _____

FED EX Goldstreak UPS DHL Other: _____

Project Managers:

Comments: _____

PM reviewed _____ (Initial/Date)

COP0016206

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

January 21, 2008

Jessica Eckart
Secor
7730 SW Mohawk Street
Tualatin, OR 97062

RE: ConocoPhillips

Enclosed are the results of analyses for samples received by the laboratory on 01/14/08 16:30. The following list is a summary of the Work Orders contained in this report, generated on 01/21/08 15:34.

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

Work Order	Project	ProjectNumber
PRA0374	ConocoPhillips	0922 Portland Terminal (COP)

TCLP VOCs
Carbon

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/21/08 15:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SC-1-08-2	PRA0374-01	Other dry	01/14/08 13:30	01/14/08 16:30

TestAmerica Portland

Christina Woodcock, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW. Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/21/08 15:34

TCLP Volatile Organic Compounds per EPA Method 1311/8260B

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0374-01 (SC-1-08-2)		**Other dry**			**Sampled: 01/14/08 13:30**					
Acetone	1311/8260B	ND	----	0.500	mg/l	1x	8010598	01/17/08 17:13	01/18/08 01:47	
Benzene	"	ND	----	0.0200	"	"	"	"	"	
Bromobenzene	"	ND	----	0.0200	"	"	"	"	"	
Bromochloromethane	"	ND	----	0.0200	"	"	"	"	"	
Bromodichloromethane	"	ND	----	0.0200	"	"	"	"	"	
Bromoform	"	ND	----	0.0200	"	"	"	"	"	
Bromomethane	"	ND	----	0.100	"	"	"	"	"	
n-Butylbenzene	"	ND	----	0.0200	"	"	"	"	"	
sec-Butylbenzene	"	ND	----	0.0200	"	"	"	"	"	
tert-Butylbenzene	"	ND	----	0.0200	"	"	"	"	"	
Carbon Tetrachloride	"	ND	----	0.0200	"	"	"	"	"	
Chlorobenzene	"	ND	----	0.0200	"	"	"	"	"	
Chloroethane	"	ND	----	0.0500	"	"	"	"	"	
Chloroform	"	ND	----	0.0200	"	"	"	"	"	
Chloromethane	"	ND	----	0.100	"	"	"	"	"	
2-Chlorotoluene	"	ND	----	0.0200	"	"	"	"	"	
4-Chlorotoluene	"	ND	----	0.0200	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	----	0.0500	"	"	"	"	"	
Dibromochloromethane	"	ND	----	0.0200	"	"	"	"	"	
1,2-Dibromoethane	"	ND	----	0.0200	"	"	"	"	"	
Dibromomethane	"	ND	----	0.0200	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	----	0.0200	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	0.0200	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	0.0200	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	----	0.100	"	"	"	"	"	
1,1-Dichloroethane	"	ND	----	0.0200	"	"	"	"	"	
1,2-Dichloroethane	"	ND	----	0.0200	"	"	"	"	"	
1,1-Dichloroethene	"	ND	----	0.0200	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	----	0.0200	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	----	0.0200	"	"	"	"	"	
1,2-Dichloropropane	"	ND	----	0.0200	"	"	"	"	"	
1,3-Dichloropropane	"	ND	----	0.0200	"	"	"	"	"	
2,2-Dichloropropane	"	ND	----	0.0200	"	"	"	"	"	
1,1-Dichloropropene	"	ND	----	0.0200	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	----	0.0200	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	----	0.0200	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.0200	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	0.0500	"	"	"	"	"	
2-Hexanone	"	ND	----	0.100	"	"	"	"	"	
Isopropylbenzene	"	ND	----	0.0200	"	"	"	"	"	
p-Isopropyltoluene	"	ND	----	0.0200	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	----	0.200	"	"	"	"	"	
2-Butanone (MEK)	"	ND	----	0.500	"	"	"	"	"	

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/21/08 15:34

TCLP Volatile Organic Compounds per EPA Method 1311/8260B

TestAmerica Portland

Analyte	Method	Result	MDL[a]	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0374-01 (SC-1-08-2)			**Other dry**		**Sampled: 01/14/08 13:30**					
Methylene chloride	1311/8260B	ND	----	0.500	mg/l	1x	8010598	01/17/08 17:13	01/18/08 01:47	
Methyl tert-butyl ether	"	ND	----	10.0	"	"	"	"	"	
Naphthalene	"	ND	----	0.0200	"	"	"	"	"	
n-Propylbenzene	"	ND	----	0.0200	"	"	"	"	"	
Styrene	"	ND	----	0.0200	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	----	0.0200	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	----	0.0200	"	"	"	"	"	
Tetrachloroethene	"	ND	----	0.0200	"	"	"	"	"	
Toluene	"	ND	----	0.0200	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	----	0.0200	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	0.0200	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	----	0.0200	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	----	0.0200	"	"	"	"	"	
Trichloroethene	"	ND	----	0.0200	"	"	"	"	"	
Trichlorofluoromethane	"	ND	----	0.0500	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	----	0.0200	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	0.0200	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	0.0200	"	"	"	"	"	
Vinyl chloride	"	ND	----	0.0200	"	"	"	"	"	
o-Xylene	"	ND	----	0.0200	"	"	"	"	"	
m,p-Xylene	"	ND	----	0.0200	"	"	"	"	"	
Surrogate(s): 4-BFB			*89.2%*		*75 - 130 %*	*0.1x*			"	
Dibromofluoromethane			*90.5%*		*75 - 130 %*	"			"	
Toluene-d8			*87.4%*		*75 - 130 %*	"			"	
1,2-DCA-d4			*106%*		*79 - 123 %*	"			"	

TestAmerica Portland

Christina Woodcock, Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/21/08 15:34

TCLP Volatile Organic Compounds per EPA Method 1311/8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010598 **Water Preparation Method: EPA 1311/5030**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010598-BLK1)								Extracted: 01/17/08 17:13						
Acetone	1311/8260B	ND	---	0.500	mg/l	1x	--	--	--	--	--	--	01/18/08 00:20	
Benzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Carbon Tetrachloride	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Hexachlorobutadiene	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	

TestAmerica Portland

Christina Woodcock, Project Manager

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Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/21/08 15:34

TCLP Volatile Organic Compounds per EPA Method 1311/8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010598 **Water Preparation Method: EPA 1311/5030**

Analyte	Method	Result	MDL[A]	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010598-BLK1)								Extracted: 01/17/08 17:13						
Isopropylbenzene	1311/8260B	ND	---	0.0200	mg/l	1x	--	--	--	--	--	--	01/18/08 00:20	
p-Isopropyltoluene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
2-Butanone (MEK)	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	

Surrogate(s):	*4-BFB*	*Recovery:*	*86.3%*	*Limits: 75-130%*	*0.1x*	*01/18/08 00:20*
	Dibromofluoromethane		*88.2%*	*75-130%*	"	"
	Toluene-d8		*86.3%*	*75-130%*	"	"
	1,2-DCA-d4		*106%*	*79-123%*	"	"

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/21/08 15:34

TCLP Volatile Organic Compounds per EPA Method 1311/8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010598 **Water Preparation Method: EPA 1311/5030**

Analyte	Method	Result	MDL[A]	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (8010598-BS1)								Extracted: 01/17/08 17:13						
Benzene	1311/8260B	0.0166	---	0.00200	mg/l	0.1x	--	0.0200	83.0%	(66-142)	--	--	01/17/08 22:29	
Carbon Tetrachloride	"	0.0157	---	0.00200	"	"	--	"	78.6%	(50-150)	--	--	"	
Chlorobenzene	"	0.0152	---	0.00200	"	"	--	"	76.1%	(60-133)	--	--	"	
Chloroform	"	0.0164	---	0.00200	"	"	--	"	82.2%	(50-150)	--	--	"	
1,4-Dichlorobenzene	"	0.0196	---	0.00200	"	"	--	"	98.2%	"	--	--	"	
1,2-Dichloroethane	"	0.0169	---	0.00200	"	"	--	"	84.4%	"	--	--	"	
1,1-Dichloroethene	"	0.0151	---	0.00200	"	"	--	"	75.7%	(59-172)	--	--	"	
2-Butanone (MEK)	"	0.0381	---	0.0500	"	"	--	0.0400	95.3%	(40-180)	--	--	"	
Tetrachloroethene	"	0.0145	---	0.00200	"	"	--	0.0200	72.7%	(50-150)	--	--	"	
Trichloroethene	"	0.0158	---	0.00200	"	"	--	"	78.8%	(62-137)	--	--	"	
Vinyl chloride	"	0.0146	---	0.00200	"	"	--	"	73.2%	(40-180)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 92.2%*			*Limits: 75-130%*	"							*01/17/08 22:29*	
Dibromofluoromethane		*92.8%*			*75-130%*	"							"	
Toluene-d8		*88.0%*			*75-130%*	"							"	
1,2-DCA-d4		*107%*			*79-123%*	"							"	
Matrix Spike (8010598-MS1)					QC Source: PRA0374-01			Extracted: 01/17/08 17:13						
Benzene	1311/8260B	0.185	---	0.0200	mg/l	1x	ND	0.200	92.4%	(66-142)	--	--	01/18/08 00:52	
Carbon Tetrachloride	"	0.177	---	0.0200	"	"	ND	"	88.6%	(50-150)	--	--	"	
Chlorobenzene	"	0.172	---	0.0200	"	"	ND	"	86.2%	(60-133)	--	--	"	
Chloroform	"	0.181	---	0.0200	"	"	ND	"	90.6%	(50-150)	--	--	"	
1,4-Dichlorobenzene	"	0.227	---	0.0200	"	"	ND	"	113%	"	--	--	"	
1,2-Dichloroethane	"	0.183	---	0.0200	"	"	ND	"	91.6%	"	--	--	"	
1,1-Dichloroethene	"	0.171	---	0.0200	"	"	ND	"	85.4%	(59-172)	--	--	"	
2-Butanone (MEK)	"	0.342	---	0.500	"	"	ND	0.400	85.4%	(40-180)	--	--	"	
Tetrachloroethene	"	0.170	---	0.0200	"	"	ND	0.200	85.2%	(50-150)	--	--	"	
Trichloroethene	"	0.174	---	0.0200	"	"	ND	"	87.2%	(62-137)	--	--	"	
Vinyl chloride	"	0.167	---	0.0200	"	"	ND	"	83.4%	(40-180)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 92.4%*			*Limits: 75-130%*	*0.1x*							*01/18/08 00:52*	
Dibromofluoromethane		*94.0%*			*75-130%*	"							"	
Toluene-d8		*87.8%*			*75-130%*	"							"	
1,2-DCA-d4		*107%*			*79-123%*	"							"	

TestAmerica Portland

Christina Woodcock, Project Manager

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Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/21/08 15:34

TCLP Volatile Organic Compounds per EPA Method 1311/8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010598 **Water Preparation Method: EPA 1311/5030**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (8010598-MSD1)				QC Source: PRA0374-01				Extracted: 01/17/08 17:13						
Benzene	1311/8260B	0.182	---	0.0200	mg/l	1x	ND	0.200	90.8%	(66-142)	1.69%	(21)	01/17/08 23:24	
Carbon Tetrachloride	"	0.169	---	0.0200	"	"	ND	"	84.6%	(50-150)	4.56%	(40)	"	
Chlorobenzene	"	0.169	---	0.0200	"	"	ND	"	84.4%	(60-133)	2.05%	(21)	"	
Chloroform	"	0.179	---	0.0200	"	"	ND	"	89.6%	(50-150)	1.05%	(40)	"	
1,4-Dichlorobenzene	"	0.219	---	0.0200	"	"	ND	"	109%	"	3.50%	"	"	
1,2-Dichloroethane	"	0.188	---	0.0200	"	"	ND	"	94.1%	"	2.69%	"	"	
1,1-Dichloroethene	"	0.166	---	0.0200	"	"	ND	"	83.0%	(59-172)	2.79%	(22)	"	
2-Butanone (MEK)	"	0.371	---	0.500	"	"	ND	0.400	92.8%	(40-180)	8.28%	(50)	"	
Tetrachloroethene	"	0.160	---	0.0200	"	"	ND	0.200	79.8%	(50-150)	6.48%	"	"	
Trichloroethene	"	0.176	---	0.0200	"	"	ND	"	88.1%	(62-137)	0.969%	(24)	"	
Vinyl chloride	"	0.158	---	0.0200	"	"	ND	"	79.0%	(40-180)	5.42%	(50)	"	

Surrogate(s):		*Recovery:*		*Limits:*			
	4-BFB	*91.5%*		*75-130%*	*0.1x*		*01/17/08 23:24*
	Dibromofluoromethane	*93.4%*		*75-130%*	"		"
	Toluene-d8	*89.0%*		*75-130%*	"		"
	1,2-DCA-d4	*107%*		*79-123%*	"		"

TestAmerica Portland

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Secor	Project Name:	**ConocoPhillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/21/08 15:34

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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TestAmerica
ANALYTICAL TESTING CORPORATION

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[illegible] E. East Ave, Spokane WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
[illegible] 907-563-9200 FAX 563-[illegible]

CHAIN OF CUSTODY REPORT

Work Order #: PRA0314

CLIENT: SECOR

REPORT TO: Jessica Eckert
ADDRESS: 7730 SW Mohawk Blvd
Tualatin, OR 97062
PHONE: 503 691 2030 FAX: 503 692 7074

INVOICE TO: SECOR
7730 SW Mohawk Blvd
Tualatin, OR 97062

P.O. NUMBER: call Jessica Eckert

PROJECT NAME: 0922 Richland Terminal (ECP)
PROJECT NUMBER: 0922
SAMPLED BY: Norman Swanson

PRESERVATIVE:

REQUESTED ANALYSES

TURNAROUND REQUEST in Business Days *
Organic & Inorganic Analyses: 10 7 5 4 3 2 1 <1 (STD)
Petroleum Hydrocarbon Analyses: 5 4 3 2 1 <1 (STD)
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME				MATRIX (W, S, O)	# OF CONT.	LOCATION COMMENTS	TA WO ID
1	SC-1-08-2	1-14-08 / 1330	TCLP ~~SPLP~~	TCLP ~~SPLP~~		Carbon	2	Vinyl Chloride, trichloroethene, 1,1-dichloroethane, chloroform, carbon tetrachloride, benzene, 1,2-dichloroethane, tetrachloroethene, chlorobenzene, 2-butanone	
2									
3									
4									
5									
6									
7									
8									
9									
10									

RELEASED BY: [signature]		DATE: 1-14-08	RECEIVED BY: [signature]		DATE: 1-14-08
PRINT NAME: Norman Swanson	FIRM: SECOR	TIME: 1533	PRINT NAME: Jerry Moore	FIRM: TAP	TIME: 1533
RELEASED BY: [signature]		DATE: 1-14-08	RECEIVED BY: Jamie Ficland		DATE: 1/14/08
PRINT NAME:	FIRM: TAP	TIME: 1630	PRINT NAME: Jamie Ficland	FIRM: TAP	TIME: 16:30

ADDITIONAL REMARKS:

TEMP: 2.9

PAGE OF

TAL-1000(0907)

COP0016216

TestAmerica Sample Receipt Checklist

Cooler ID(s)

Received by:	Unpacked by:	Logged-in by:	
*(section A)	*(section B)		Work Order No. PRA0374
Date: 1/14/08	Date: 1/14/08	Date: 1/14/08	Client: Secor
Time: 16:30	Initials: JI	Initials: JI	Project: Conoco Phillips
Initials: JI			Temperature out of range:

___Not enough Ice
___No Ice
___Ice Melted
___W/in 4 Hours
___Other:_____

***ESI Clients *(see Section C)*

Cooler Temperature (IR): 2.9 °C plastic glass NA *(oil/air samples, ESI client)* Temperature Blank: _____ °C

A

Custody Seals: (#___)

Signature: Y N Dated:_____
X None

Container Type:
1 #Cooler(s)
___#Box(s)
___None (___#Other:_____)

Coolant Type:
___Gel Ice
X Loose Ice
___None

Packing Material:
___Bubble Bags
___Styrofoam Cubbies
X None (___Other:_____)

Received from:
X TA Courier
___Senvoy
___UPS
___Fed Ex
___Client
___TDP
___DHL
___SDS
___Mid-Valley
___GS/TA
___GS/Senvoy
___Other:
___ _____

B

Sample Status:
(If N circled, see NOD)

General:			
Intact?	Y	N	
# Containers Match COC?	Y	N	none given
IDs Match COC?	Y	N	
For Analyses Requested:			
Correct Type & Preservation?	Y	N	
Adequate Volume?	Y	N	
Within Hold Time?	Y	N	
Volatiles/ Oil Quality:			
VOAs/ Syringes free of Headspace?	Y	N	NA
TB on COC? not provided	Y	N	NA
Metals:			
HNO3 Preserved?	Y	N	NA
Dissolved Metals Filtered?	Y	N	NA

C

***ESI Clients Only:

Temperature Blank: _____ °C not provided

All preserved bottles checked Y N NA *(voas/soils/all unp.)*
All preserved accordingly? Y N *(see NOD)* NA *(voas/soils/all unp.)*

FED EX/ UPS: Was the tracking paper keepable? YES NO

If circled NO, what is the Tracking number? _____

FED EX Goldstreak UPS DHL Other: _____

Project Managers:

Comments:_____

PM Reviewed _____ *(Initial/Date)*

COP0016217

Hillsboro Landfill, Inc.

3205 SE MINTER BRIDGE ROAD HILLSBORO, OR 97123

PERMIT # 101016OR

Tracking Number 11676

PERMIT TO DISPOSE OF NON-HAZARDOUS MATERIALS

This permit authorizes disposal of Customer's waste materials in accordance with the Industrial Waste & Disposal Services Agreement dated *National*.

EXPIRES: 5/7/08

GENERATOR: CONOCOPHILLIPS

DESCRIPTION: *WELL INSTALLATION SOIL CUTTINGS AND CARBON*	TONS: *20*
☒ SPECIAL WASTE ☐ CS ☐ C&D ☐ CLEAN-UP	
LOCATION: *PORTLAND, OREGON 5528 NW DOANE AVE*	COUNTY: *Multnomah*
CONTACT: *JESSICA ECKART*	PHONE: *503-691-2030*
	FAX: *503-692-7074*

BILLING: *Landfill account STRATUS CORPORATION*	PO#: *P08031.01*	JOB#: *N/A*

We accept business checks, cash, VISA / Mastercard or charge(with prior approval)

SPECIAL HANDLING : *NOTE: NO FREE LIQUIDS*

MK TyT

APPROVED: KC *KRISTIN CASTNER* DATE: *02/11/08 4:24:24 PM*

A COPY OF THIS PERMIT MUST BE SHOWN BY EACH DRIVER

THERE IS A MINIMUM CHARGE OF $50-$60 FOR EACH LOAD OF SPECIAL WASTE

WASTE MANAGEMENT

HAZARDOUS WASTE IS STRICTLY PROHIBITED

Generator's Nonhazardous Waste Profile Sheet

Requested Disposal Facility _____ Profile Number

☐ Renewal for Profile Number _____ Waste Approval Expiration Date _____

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: ConocoPhillips
2. Site Address: 5528 NW Doane Ave.
3. City/ZIP: Portland 97210
4. State: Oregon
5. County: Multnomah
6. Contact Name/Title: Mike Noll
7. Email Address: michael.d.noll@contractor.conocophillips.com
8. Phone: 360-794-9523
9. FAX: 360-794-6578
10. NAICS Code: _____
11. Generator USEPA ID #: _____
12. State ID# (if applicable): _____

B. Customer Information ☐ same as above

P. O. Number: _____

1. Customer Name: Stratus Corporation
2. Billing Address: 39515 SW Hartley Road
3. City, State and ZIP: Gaston, OR 97119
4. Contact Name: Scott Flaherty
5. Contact Email: s.flaherty@stratuscorp.net
6. Phone: 503-985-79 FAX: 503-985-1953
7. Transporter Name: Stratus Corporation
8. Transporter ID # (if appl.): _____
9. Transporter Address: _____
10. City, State and ZIP: _____

C. Waste Stream Information

1. DESCRIPTION
   a. Common Waste Name: soil cuttings, spent carbon State Waste Code(s): _____
   b. Describe Process Generating Waste or Source of Contamination:

   well installation soil cuttings and spent carbon and remediation system sump sediment - petroleum hydrocarbon remediation system at ConocoPhillips bulk distribution facility

   c. Typical Color(s): _____
   d. Strong Odor? ☐ Yes ☑ No Describe: _____
   e. Physical State at 70°F: ☑ Solid ☐ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other: _____
   f. Layers? ☐ Single layer ☐ Multi- layer ☑ NA
   g. Water Reactive? ☐ Yes ☑ No If Yes, Describe: _____
   h. Free Liquid Range (%): _____ to _____ ☑ NA(solid)
   i. pH Range: ☐ ≤2 ☑ 2.1-12.4 ☐ ≥12.5 ☐ NA(solid) ☐ Actual: _____
   j. Liquid Flash Point: ☐ < 140°F ☐ ≥ 140°F ☑ NA(solid) ☐ Actual: _____
   k. Flammable Solid: ☐ Yes ☑ No
   l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☑ (See Attached)

Constituents *(Total Composition Must be ≥ 100%)*	Concentration %	Constituents *(Total Composition Must be ≥ 100%)*	Concentration %
1.		4.	
2.		5.	
3.		6.	

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION
   a. ☑ Event ☐ Base/Ongoing (Check One)
   b. Estimated Annual Quantity: 45 ☐ Tons ☐ Cubic Yards ☑ Drums ☐ Gallons ☐ Other (specify): _____
   c. Shipping Frequency: one time Units per ☐ Month ☐ Quarter ☐ Year ☑ One Time ☐ Other
   d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☑ No
   e. USDOT Shipping Description (if applicable): _____
3. SAFETY REQUIREMENTS (Handling, PPE, etc.): _____

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COP0016219

Generator's Nonhazardous Waste Profile Sheet

WASTE MANAGEMENT

D. Regulatory Status (Please check appropriate responses)

1. Is this a USEPA (40 CFR Part 261)/State hazardous waste? If yes, contact your sales representative. ☐ Yes ☑ No
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☑ No
   - ☐ Delisted Hazardous Waste
   - ☐ Excluded Wastes Under 40 CFR 261.4
   - ☐ Treated Hazardous Waste Debris
   - ☐ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☐ Yes ☐ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☐ No
   a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☑ No
   b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☑ No
5. Does the waste represented by this waste profile sheet contain concentrations of regulated Polychlorinated Biphenyls (PCBs)? ☐ Yes ☑ No
   a. If yes, is disposal regulated under TSCA? ☐ Yes ☐ No
6. Does the waste contain untreated, regulated, medical or infectious waste? ☐ Yes ☑ No
7. Does the waste contain asbestos? ☐ Yes ☑ No If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☑ No
   If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☑ No

E. Generator Certification (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the Contractor if applicable).
5. Check all that apply:
   - ☑ Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: VOCs 8260B, TCLP Lead, TCLP Arsenic, TPH Gx, TPH Dx, PAHs # Pages: ~100
   - ☐ Only the analyses identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
   - ☐ Additional information necessary to characterize the profiled waste has been attached (other than analytical). Indicate the number of attached pages: _____
   - ☐ I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.
   - ☐ By Generator process knowledge, the following waste is not a listed waste and is below all TCLP regulatory limits.

Certification Signature: James F. Trotter **Title:** Site Manager

Company Name: Conoco Phillips Company **Name (Print):** James F. Trotter

Date: 2/15/08

FOR WM USE ONLY

Management Method: ☐ Landfill ☐ Bioremediation **Approval Decision:** ☐ Approved ☐ Not Approved

☐ Non-hazardous solidification ☐ Other: _____ Waste Approval Expiration Date: _____

Management Facility Precautions, Special Handling Procedures or Limitation on approval:

- ☐ Shall not contain free liquid
- ☐ Shipment must be scheduled into disposal facility
- ☐ Approval Number must accompany each shipment
- ☐ Waste Manifest must accompany load

WM Authorization Name / Title: _____ **Date:** _____

State Authorization (if Required): _____ **Date:** _____

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THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

February 06, 2008

Jessica Eckart
Secor
7730 SW Mohawk Street
Tualatin, OR 97062

RE: Conoco Phillips

Enclosed are the results of analyses for samples received by the laboratory on 01/14/08 16:30. The following list is a summary of the Work Orders contained in this report, generated on 02/06/08 15:26.

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

Work Order	Project	ProjectNumber
PRA0372	Conoco Phillips	0922 Portland Terminal (COP

TestAmerica Portland

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
1-08-00RS-1	PRA0372-01	Other dry	01/14/08 13:50	01/14/08 16:30
1-08-00RS-2	PRA0372-02	Soil	01/14/08 14:00	01/14/08 16:30
1-08-00RS-11	PRA0372-03	Soil	01/14/08 13:50	01/14/08 16:30
1-08-00RS-22	PRA0372-04	Soil	01/14/08 14:00	01/14/08 16:30

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Gasoline Hydrocarbons per NW TPH-Gx Method

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-02 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					**Q8**
Gasoline Range Hydrocarbons	NW TPH-Gx	**133**	-----	9.49	mg/kg dry	1x	8010536	01/16/08 15:00	01/16/08 15:49	
Surrogate(s): a,a,a-TFT			*38.3%*		*50 - 150%*	"			"	*Z*
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					**Q8**
Gasoline Range Hydrocarbons	NW TPH-Gx	**105**	-----	8.08	mg/kg dry	1x	8010536	01/16/08 15:00	01/16/08 16:16	
Surrogate(s): a,a,a-TFT			*48.4%*		*50 - 150%*	"			"	*Z*
PRA0372-04 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					**Q8**
Gasoline Range Hydrocarbons	NW TPH-Gx	**120**	-----	9.26	mg/kg dry	1x	8010536	01/16/08 15:00	01/16/08 16:44	
Surrogate(s): a,a,a-TFT			*47.7%*		*50 - 150%*	"			"	*Z*

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Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-02 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					
Diesel Range Organics	NWTPH-Dx	**2320**	-----	155	mg/kg dry	5x	8010606	01/18/08 11:30	01/21/08 09:57	**Q9**
Heavy Oil Range Hydrocarbons	"	**501**	-----	309	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*32.1%*		*50 - 150%*	"			"	*ZX*
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
Diesel Range Organics	NWTPH-Dx	**6480**	-----	25.4	mg/kg dry	1x	8010606	01/18/08 11:30	01/18/08 21:29	**Q9**
Heavy Oil Range Hydrocarbons	"	**1380**	-----	50.9	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*49.8%*		*50 - 150%*	"			"	*ZX*
PRA0372-04 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					
Diesel Range Organics	NWTPH-Dx	**8760**	-----	29.3	mg/kg dry	1x	8010606	01/18/08 11:30	01/18/08 21:49	**Q9**
Heavy Oil Range Hydrocarbons	"	**1850**	-----	58.6	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*32.9%*		*50 - 150%*	"			"	*ZX*

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Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Total Metals per EPA 6000/7000 Series Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-02 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					
Arsenic	EPA 6020	**135**	-----	1.21	mg/kg dry	1x	8010638	01/18/08 14:54	01/19/08 11:01	
Barium	"	**485**	-----	1.21	"	"	"	"	01/19/08 19:59	
Cadmium	"	ND	-----	1.21	"	"	"	"	01/19/08 11:01	
Chromium	"	**13.2**	-----	1.21	"	"	"	"	"	
Lead	"	**5.89**	-----	1.21	"	"	"	"	"	
Selenium	"	ND	-----	1.21	"	"	"	"	"	
Silver	"	ND	-----	1.21	"	"	"	"	"	
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
Arsenic	EPA 6020	**133**	-----	1.02	mg/kg dry	1x	8010638	01/18/08 14:54	01/19/08 11:16	
Barium	"	**396**	-----	1.02	"	"	"	"	01/19/08 20:14	
Cadmium	"	ND	-----	1.02	"	"	"	"	01/19/08 11:16	
Chromium	"	**14.8**	-----	1.02	"	"	"	"	"	
Lead	"	**5.76**	-----	1.02	"	"	"	"	"	
Selenium	"	ND	-----	1.02	"	"	"	"	"	
Silver	"	ND	-----	1.02	"	"	"	"	"	
PRA0372-04 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					
Arsenic	EPA 6020	**123**	-----	1.24	mg/kg dry	1x	8010638	01/18/08 14:54	01/19/08 11:39	
Barium	"	**440**	-----	1.24	"	"	"	"	01/19/08 20:36	
Cadmium	"	ND	-----	1.24	"	"	"	"	01/19/08 11:39	
Chromium	"	**14.5**	-----	1.24	"	"	"	"	"	
Lead	"	**9.53**	-----	1.24	"	"	"	"	"	
Selenium	"	ND	-----	1.24	"	"	"	"	"	
Silver	"	ND	-----	1.24	"	"	"	"	"	

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Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

TCLP Metals per EPA 1311/6000/7000 Series Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-01 (1-08-00RS-1)		**Other dry**			**Sampled: 01/14/08 13:50**					
Lead	1311/6020	ND	-----	0.0500	mg/l	1x	8010545	01/16/08 15:29	01/17/08 18:34	
PRA0372-02 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					
Arsenic	1311/6020	ND	-----	0.0500	mg/l	1x	8020024	02/01/08 14:50	02/06/08 01:59	
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
Arsenic	1311/6020	ND	-----	0.0500	mg/l	1x	8010643	01/18/08 16:52	01/19/08 08:20	
Lead	"	ND	-----	0.0500	"	"	"	"	"	
PRA0372-04 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					
Arsenic	1311/6020	ND	-----	0.0500	mg/l	1x	8020024	02/01/08 14:50	02/06/08 02:14	

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Total Mercury per EPA Method 7471A

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-02 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					
Mercury	EPA 7471A	ND	-----	0.121	mg/kg dry	1x	8010607	01/18/08 08:23	01/18/08 11:21	
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
Mercury	EPA 7471A	ND	-----	0.155	mg/kg dry	1x	8010607	01/18/08 08:23	01/18/08 11:23	
PRA0372-04 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					
Mercury	EPA 7471A	ND	-----	0.149	mg/kg dry	1x	8010607	01/18/08 08:23	01/18/08 11:25	

TestAmerica Portland

Christina Woodcock, Project Manager

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-02RE1 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					
Benzene	EPA 8260B	ND	-----	47.5	ug/kg dry	1x	8010916	01/25/08 16:39	01/25/08 22:41	
Toluene	"	ND	-----	119	"	"	"	"	"	
Ethylbenzene	"	ND	-----	119	"	"	"	"	"	
Xylenes (total)	"	ND	-----	237	"	"	"	"	"	
Methyl tert-butyl ether	"	**159**	-----	94.9	"	"	"	"	"	
Surrogate(s): 4-BFB			*103%*		*75 - 125 %*	*0.01x*			"	
1,2-DCA-d4			*83.0%*		*75 - 125 %*	"			"	
Dibromofluoromethane			*87.6%*		*75 - 125 %*	"			"	
Toluene-d8			*96.8%*		*75 - 125 %*	"			"	
PRA0372-03RE1 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
Benzene	EPA 8260B	ND	-----	40.4	ug/kg dry	1x	8010916	01/25/08 16:39	01/25/08 23:08	
Toluene	"	ND	-----	101	"	"	"	"	"	
Ethylbenzene	"	ND	-----	101	"	"	"	"	"	
Xylenes (total)	"	ND	-----	202	"	"	"	"	"	
Methyl tert-butyl ether	"	**95.0**	-----	80.8	"	"	"	"	"	
Surrogate(s): 4-BFB			*104%*		*75 - 125 %*	*0.01x*			"	
1,2-DCA-d4			*82.4%*		*75 - 125 %*	"			"	
Dibromofluoromethane			*88.0%*		*75 - 125 %*	"			"	
Toluene-d8			*98.0%*		*75 - 125 %*	"			"	
PRA0372-04RE1 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					
Benzene	EPA 8260B	ND	-----	46.3	ug/kg dry	1x	8010916	01/25/08 16:39	01/25/08 23:36	
Toluene	"	ND	-----	116	"	"	"	"	"	
Ethylbenzene	"	ND	-----	116	"	"	"	"	"	
Xylenes (total)	"	ND	-----	232	"	"	"	"	"	
Methyl tert-butyl ether	"	**106**	-----	92.6	"	"	"	"	"	
Surrogate(s): 4-BFB			*104%*		*75 - 125 %*	*0.01x*			"	
1,2-DCA-d4			*78.0%*		*75 - 125 %*	"			"	
Dibromofluoromethane			*86.3%*		*75 - 125 %*	"			"	
Toluene-d8			*97.0%*		*75 - 125 %*	"			"	

TestAmerica Portland

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Polynuclear Aromatic Compounds per EPA 8270M-SIM

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					**RL3**
Acenaphthene	EPA 8270m	**1340**	-----	273	ug/kg dry	10x	8010501	01/16/08 15:45	01/17/08 16:43	
Acenaphthylene	"	ND	-----	1360	"	50x	"	"	01/17/08 11:11	**RL1**
Anthracene	"	**1630**	-----	273	"	10x	"	"	01/17/08 16:43	
Benzo (a) anthracene	"	**320**	-----	273	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	273	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	273	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	273	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	273	"	"	"	"	"	
Chrysene	"	**597**	-----	273	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	-----	273	"	"	"	"	"	
Fluoranthene	"	**528**	-----	273	"	"	"	"	"	
Fluorene	"	**2290**	-----	273	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	273	"	"	"	"	"	
Naphthalene	"	ND	-----	1360	"	50x	"	"	01/17/08 11:11	**RL1**
Phenanthrene	"	**5350**	-----	273	"	10x	"	"	01/17/08 16:43	
Pyrene	"	**1680**	-----	273	"	"	"	"	"	
Surrogate(s):	*Fluorene-d10*		*NR*		*24 - 125 %*	"			"	*Z9*
	Pyrene-d10		*62.5%*		*41 - 141 %*	"			"	
	Benzo (a) pyrene-d12		*85.2%*		*38 - 143 %*	"			"	

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TCLP Extraction Only

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-01 (1-08-00RS-1)		**Other dry**			**Sampled: 01/14/08 13:50**					
Extraction	EPA 1311	ND	-----	1.00	N/A	1x	8010498	01/15/08 21:15	01/16/08 15:21	
PRA0372-02 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					
Extraction	EPA 1311	ND	-----	1.00	N/A	1x	8011114	01/31/08 19:04	02/01/08 15:45	
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
Extraction	EPA 1311	ND	-----	1.00	N/A	1x	8010600	01/17/08 20:39	01/18/08 16:14	
PRA0372-04 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					
Extraction	EPA 1311	ND	-----	1.00	N/A	1x	8011114	01/31/08 19:04	02/01/08 15:45	

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Percent Dry Weight (Solids) per Standard Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-02 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					
% Solids	NCA SOP	**41.4**	-----	0.0100	% by Weight	1x	8010544	01/16/08 15:04	01/16/08 15:04	
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
% Solids	NCA SOP	**49.0**	-----	0.0100	% by Weight	1x	8010544	01/16/08 15:04	01/16/08 15:04	
PRA0372-04 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					
% Solids	NCA SOP	**42.1**	-----	0.0100	% by Weight	1x	8010544	01/16/08 15:04	01/16/08 15:04	

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Gasoline Hydrocarbons per NW TPH-Gx Method - Laboratory Quality Control Results

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QC Batch: 8010536 **Soil Preparation Method: EPA 5035 Modified**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010536-BLK1)								**Extracted: 01/16/08 13:30**						
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	---	3.82	mg/kg wet	1x	--	--	--	--	--	--	01/16/08 14:37	
Surrogate(s): a,a,a-TFT		*Recovery: 94.8%*			*Limits: 50-150%*	"							*01/16/08 14:37*	
LCS (8010536-BS1)								**Extracted: 01/16/08 13:30**						
Gasoline Range Hydrocarbons	NW TPH-Gx	21.4	---	3.85	mg/kg wet	1x	--	24.0	89.2%	(70-130)	--	--	01/16/08 14:09	
Surrogate(s): a,a,a-TFT		*Recovery: 98.0%*			*Limits: 50-150%*	"							*01/16/08 14:09*	
Duplicate (8010536-DUP1)					**QC Source: PQK0032-01**			**Extracted: 01/16/08 13:30**						
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	---	4.85	mg/kg dry	1x	ND	--	--	--	NR	(40)	01/18/08 10:52	
Surrogate(s): a,a,a-TFT		*Recovery: 85.6%*			*Limits: 50-150%*	"							*01/18/08 10:52*	
Matrix Spike (8010536-MS1)					**QC Source: PQK0032-03**			**Extracted: 01/16/08 13:30**						M8
Gasoline Range Hydrocarbons	NW TPH-Gx	14.8	---	4.19	mg/kg dry	1x	1.14	26.2	52.2%	(65-130)	--	--	01/18/08 11:20	
Surrogate(s): a,a,a-TFT		*Recovery: 90.9%*			*Limits: 50-150%*	"							*01/18/08 11:20*	

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Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method - Laboratory Quality Control Results

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QC Batch: 8010606 **Soil Preparation Method: EPA 3550 Fuels**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010606-BLK1)								**Extracted: 01/18/08 11:30**						
Diesel Range Organics	NWTPH-Dx	ND	---	12.5	mg/kg wet	1x	--	--	--	--	--	--	01/18/08 15:34	
Heavy Oil Range Hydrocarbons	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 82.5%*			*Limits: 50-150%*	"							*01/18/08 15:34*	
LCS (8010606-BS1)								**Extracted: 01/18/08 11:30**						
Diesel Range Organics	NWTPH-Dx	122	---	12.5	mg/kg wet	1x	--	125	97.1%	(50-150)	--	--	01/18/08 15:54	
Heavy Oil Range Hydrocarbons	"	76.9	---	25.0	"	"	--	75.2	102%	"	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 98.1%*			*Limits: 50-150%*	"							*01/18/08 15:54*	
Duplicate (8010606-DUP1)					**QC Source: PRA0372-02**			**Extracted: 01/18/08 11:30**						
Diesel Range Organics	NWTPH-Dx	3210	---	153	mg/kg dry	5x	2320	--	--	--	32.5%	(40)	01/21/08 09:40	Q9
Heavy Oil Range Hydrocarbons	"	705	---	306	"	"	501	--	--	--	33.9%	"	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 12.5%*			*Limits: 50-150%*	"							*01/21/08 09:40*	*ZX*
Duplicate (8010606-DUP2)					**QC Source: PRA0479-01**			**Extracted: 01/18/08 11:30**						
Diesel Range Organics	NWTPH-Dx	ND	---	16.9	mg/kg dry	1x	23.6	--	--	--	50.1%	(40)	01/18/08 16:14	R3
Heavy Oil Range Hydrocarbons	"	36.2	---	33.8	"	"	65.5	--	--	--	57.7%	"	"	R3
Surrogate(s): 1-Chlorooctadecane		*Recovery: 87.9%*			*Limits: 50-150%*	"							*01/18/08 16:14*	
Matrix Spike (8010606-MS1)					**QC Source: PQK0032-03**			**Extracted: 01/18/08 11:30**						
Diesel Range Organics	NWTPH-Dx	118	---	14.0	mg/kg dry	1x	ND	141	83.8%	(50-150)	--	--	01/18/08 16:34	
Heavy Oil Range Hydrocarbons	"	78.5	---	28.1	"	"	ND	84.4	92.9%	"	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 83.5%*			*Limits: 50-150%*	"							*01/18/08 16:34*	
Matrix Spike Dup (8010606-MSD1)					**QC Source: PQK0032-03**			**Extracted: 01/18/08 11:30**						
Diesel Range Organics	NWTPH-Dx	117	---	13.9	mg/kg dry	1x	ND	139	83.9%	(50-150)	1.05%	(40)	01/18/08 16:54	
Heavy Oil Range Hydrocarbons	"	76.4	---	27.7	"	"	ND	83.5	91.5%	"	2.67%	"	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 82.3%*			*Limits: 50-150%*	"							*01/18/08 16:54*	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010638 **Soil Preparation Method: EPA 3050**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010638-BLK1)								**Extracted: 01/18/08 14:54**						
Arsenic	EPA 6020	ND	---	0.495	mg/kg wet	1x	--	--	--	--	--	--	01/19/08 10:05	
Barium	"	ND	---	0.495	"	"	--	--	--	--	--	--	01/19/08 19:07	
Cadmium	"	ND	---	0.495	"	"	--	--	--	--	--	--	01/19/08 10:05	
Chromium	"	ND	---	0.495	"	"	--	--	--	--	--	--	"	
Lead	"	ND	---	0.495	"	"	--	--	--	--	--	--	"	
Selenium	"	ND	---	0.495	"	"	--	--	--	--	--	--	"	
Silver	"	ND	---	0.495	"	"	--	--	--	--	--	--	"	
LCS (8010638-BS1)								**Extracted: 01/18/08 14:54**						
Arsenic	EPA 6020	11.2	---	0.476	mg/kg wet	1x	--	9.52	118%	(80-120)	--	--	01/19/08 10:12	
Barium	"	9.59	---	0.476	"	"	--	"	101%	"	--	--	01/19/08 19:14	
Cadmium	"	10.6	---	0.476	"	"	--	"	111%	"	--	--	01/19/08 10:12	
Chromium	"	10.3	---	0.476	"	"	--	"	108%	"	--	--	01/19/08 13:32	
Lead	"	10.6	---	0.476	"	"	--	"	112%	"	--	--	01/19/08 10:12	
Selenium	"	9.15	---	0.476	"	"	--	"	96.1%	"	--	--	"	
Silver	"	5.24	---	0.476	"	"	--	4.76	110%	"	--	--	"	
Duplicate (8010638-DUP1)					**QC Source: PRA0270-01**			**Extracted: 01/18/08 14:54**						
Arsenic	EPA 6020	3.09	---	0.698	mg/kg dry	1x	3.21	--	--	--	3.84%	(40)	01/19/08 10:27	
Barium	"	151	---	0.698	"	"	159	--	--	--	5.58%	"	01/19/08 19:29	
Cadmium	"	ND	---	0.698	"	"	ND	--	--	--	9.52%	"	01/19/08 10:27	
Chromium	"	22.8	---	0.698	"	"	24.1	--	--	--	5.71%	"	"	
Lead	"	4.22	---	0.698	"	"	4.50	--	--	--	6.47%	"	"	
Selenium	"	ND	---	0.698	"	"	ND	--	--	--	NR	"	"	
Silver	"	ND	---	0.698	"	"	ND	--	--	--	14.4%	"	"	
Matrix Spike (8010638-MS1)					**QC Source: PRA0270-02**			**Extracted: 01/18/08 14:54**						
Arsenic	EPA 6020	16.4	---	0.665	mg/kg dry	1x	3.52	13.3	97.0%	(75-125)	--	--	01/19/08 10:54	
Barium	"	150	---	0.665	"	"	121	"	221%	"	--	--	01/19/08 19:52	M7
Cadmium	"	14.3	---	0.665	"	"	0.132	"	106%	"	--	--	01/19/08 10:54	
Chromium	"	34.1	---	0.665	"	"	15.7	"	139%	"	--	--	"	M7
Lead	"	19.6	---	0.665	"	"	5.78	"	104%	"	--	--	"	
Selenium	"	11.7	---	0.665	"	"	ND	"	88.2%	"	--	--	"	
Silver	"	6.77	---	0.665	"	"	ND	6.65	102%	"	--	--	"	

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Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

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QC Batch: 8010638 **Soil Preparation Method: EPA 3050**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (8010638-MS2)					QC Source: PRA0372-02			Extracted: 01/18/08 14:54						
Arsenic	EPA 6020	139	---	1.23	mg/kg dry	1x	135	24.6	18.1%	(75-125)	--	--	01/19/08 11:09	M8
Barium	"	420	---	1.23	"	"	485	"	-262%	"	--	--	01/19/08 20:07	M8
Cadmium	"	26.9	---	1.23	"	"	0.338	"	108%	"	--	--	01/19/08 11:09	
Chromium	"	41.3	---	1.23	"	"	13.2	"	114%	"	--	--	"	
Lead	"	29.4	---	1.23	"	"	5.89	"	95.4%	"	--	--	"	
Selenium	"	21.5	---	1.23	"	"	ND	"	87.4%	"	--	--	"	
Silver	"	12.9	---	1.23	"	"	0.193	12.3	103%	"	--	--	"	

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TCLP Metals per EPA 1311/6000/7000 Series Methods - Laboratory Quality Control Results

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QC Batch: 8010545 **Other dry Preparation Method: EPA 1311/3005**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010545-BLK1)									Extracted: 01/16/08 15:29					
Lead	1311/6020	ND	---	0.0500	mg/l	1x	--	--	--	--	--	--	01/17/08 18:19	
LCS (8010545-BS1)									Extracted: 01/16/08 15:29					
Lead	1311/6020	0.193	---	0.0500	mg/l	1x	--	0.200	96.3%	(75-125)	--	--	01/17/08 18:27	
Duplicate (8010545-DUP1)				QC Source: PRA0372-01					Extracted: 01/16/08 15:29					
Lead	1311/6020	ND	---	0.0500	mg/l	1x	ND	--	--	--	NR	(20)	01/17/08 18:41	
Matrix Spike (8010545-MS1)				QC Source: PRA0372-01					Extracted: 01/16/08 15:29					
Lead	1311/6020	0.192	---	0.0500	mg/l	1x	ND	0.200	96.0%	(50-150)	--	--	01/17/08 18:56	

QC Batch: 8010643 **Soil Preparation Method: EPA 1311/3005**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010643-BLK1)									Extracted: 01/18/08 16:52					
Arsenic	1311/6020	ND	---	0.0500	mg/l	1x	--	--	--	--	--	--	01/19/08 07:20	
Lead	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
LCS (8010643-BS1)									Extracted: 01/18/08 16:52					
Arsenic	1311/6020	0.214	---	0.0500	mg/l	1x	--	0.200	107%	(75-125)	--	--	01/19/08 07:28	
Lead	"	0.176	---	0.0500	"	"	--	"	88.1%	"	--	--	"	
Duplicate (8010643-DUP1)				QC Source: PQL0744-01					Extracted: 01/18/08 16:52					
Arsenic	1311/6020	ND	---	0.0500	mg/l	1x	ND	--	--	--	5.19%	(20)	01/19/08 07:43	
Lead	"	ND	---	0.0500	"	"	ND	--	--	--	4.44%	"	"	
Matrix Spike (8010643-MS1)				QC Source: PRA0303-01					Extracted: 01/18/08 16:52					
Arsenic	1311/6020	0.229	---	0.0500	mg/l	1x	0.0188	0.200	105%	(50-150)	--	--	01/19/08 08:05	
Lead	"	0.179	---	0.0500	"	"	0.00200	"	88.6%	"	--	--	"	
Matrix Spike (8010643-MS2)				QC Source: PRA0372-03					Extracted: 01/18/08 16:52					
Arsenic	1311/6020	0.220	---	0.0500	mg/l	1x	ND	0.200	110%	(50-150)	--	--	01/19/08 08:28	
Lead	"	0.175	---	0.0500	"	"	ND	"	87.6%	"	--	--	"	
Matrix Spike (8010643-MS3)				QC Source: PRA0426-02					Extracted: 01/18/08 16:52					
Arsenic	1311/6020	0.482	---	0.0500	mg/l	1x	0.218	0.200	132%	(50-150)	--	--	01/19/08 08:57	
Lead	"	8.11	---	0.0500	"	"	7.83	"	139%	"	--	--	"	

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

TCLP Metals per EPA 1311/6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8020024 **Soil Preparation Method: EPA 1311/3005**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8020024-BLK1)									**Extracted: 02/01/08 14:50**					
Arsenic	1311/6020	ND	---	0.0500	mg/l	1x	--	--	--	--	--	--	02/06/08 01:43	
LCS (8020024-BS1)									**Extracted: 02/01/08 14:50**					
Arsenic	1311/6020	0.216	---	0.0500	mg/l	1x	--	0.200	108%	(75-125)	--	--	02/06/08 01:51	
Duplicate (8020024-DUP1)				**QC Source: PRA0372-02**					**Extracted: 02/01/08 14:50**					
Arsenic	1311/6020	ND	---	0.0500	mg/l	1x	ND	--	--	--	NR	(20)	02/06/08 02:06	
Matrix Spike (8020024-MS1)				**QC Source: PRA0372-04**					**Extracted: 02/01/08 14:50**					
Arsenic	1311/6020	0.215	---	0.0500	mg/l	1x	ND	0.200	107%	(50-150)	--	--	02/06/08 02:29	
Matrix Spike (8020024-MS2)				**QC Source: PRA0600-01**					**Extracted: 02/01/08 14:50**					
Arsenic	1311/6020	0.216	---	0.0500	mg/l	1x	ND	0.200	108%	(50-150)	--	--	02/06/08 02:44	

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Christina Woodcock, Project Manager

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Total Mercury per EPA Method 7471A - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010607 **Soil Preparation Method: EPA 7471A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010607-BLK1)									**Extracted: 01/18/08 08:23**					
Mercury	EPA 7471A	ND	---	0.100	mg/kg wet	1x	--	--	--	--	--	--	01/18/08 11:01	
LCS (8010607-BS1)									**Extracted: 01/18/08 08:23**					
Mercury	EPA 7471A	1.02	---	0.100	mg/kg wet	1x	--	1.00	102%	(80-120)	--	--	01/18/08 11:03	
LCS Dup (8010607-BSD1)									**Extracted: 01/18/08 08:23**					
Mercury	EPA 7471A	1.02	---	0.100	mg/kg wet	1x	--	1.00	102%	(80-120)	0.535%	(20)	01/18/08 11:07	
Duplicate (8010607-DUP1)				**QC Source: PRA0411-01**					**Extracted: 01/18/08 08:23**					
Mercury	EPA 7471A	ND	---	0.149	mg/kg dry	1x	ND	--	--	--	NR	(40)	01/18/08 11:10	
Matrix Spike (8010607-MS1)				**QC Source: PRA0411-01**					**Extracted: 01/18/08 08:23**					
Mercury	EPA 7471A	1.08	---	0.140	mg/kg dry	1x	ND	1.40	77.2%	(75-125)	--	--	01/18/08 11:13	
Matrix Spike Dup (8010607-MSD1)				**QC Source: PRA0411-01**					**Extracted: 01/18/08 08:23**					
Mercury	EPA 7471A	1.18	---	0.148	mg/kg dry	1x	ND	1.48	79.8%	(75-125)	9.32%	(40)	01/18/08 11:17	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010916 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010916-BLK1)								**Extracted: 01/25/08 16:39**						
1,2-Dibromoethane	EPA 8260B	ND	---	49.8	ug/kg wet	1x	--	--	--	--	--	--	01/25/08 21:46	
1,2-Dichloroethane	"	ND	---	49.8	"	"	--	--	--	--	--	--	"	
Benzene	"	ND	---	19.9	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	49.8	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	49.8	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	99.5	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	39.8	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	199	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	99.5	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	49.8	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	199	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	49.8	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 96.4%*			*Limits: 75-125%*	*0.01x*							*01/25/08 21:46*	
1,2-DCA-d4		*83.8%*			*75-125%*	"							"	
Dibromofluoromethane		*87.8%*			*75-125%*	"							"	
Toluene-d8		*93.9%*			*75-125%*	"							"	
LCS (8010916-BS1)								**Extracted: 01/25/08 16:39**						
Benzene	EPA 8260B	1990	---	19.8	ug/kg wet	1x	--	1980	101%	(81.8-125)	--	--	01/25/08 19:26	
Toluene	"	1900	---	49.6	"	"	--	"	96.0%	(80-125)	--	--	"	
Ethylbenzene	"	2170	---	49.6	"	"	--	"	109%	(80-120)	--	--	"	
Xylenes (total)	"	6520	---	99.1	"	"	--	5950	110%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	1850	---	39.6	"	"	--	1980	93.5%	(80-128)	--	--	"	
Naphthalene	"	1900	---	198	"	"	--	"	95.8%	(76.1-153)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 102%*			*Limits: 75-125%*	*0.01x*							*01/25/08 19:26*	
1,2-DCA-d4		*86.9%*			*75-125%*	"							"	
Dibromofluoromethane		*94.1%*			*75-125%*	"							"	
Toluene-d8		*96.1%*			*75-125%*	"							"	
Matrix Spike (8010916-MS1)					**QC Source: PRA0592-01RE1**			**Extracted: 01/25/08 16:39**						
Benzene	EPA 8260B	1910	---	19.9	ug/kg wet	1x	ND	1990	95.7%	(68.5-125)	--	--	01/25/08 19:55	
Toluene	"	1860	---	49.8	"	"	12.9	"	92.7%	(70.3-125)	--	--	"	
Ethylbenzene	"	2090	---	49.8	"	"	8.91	"	105%	(80-124)	--	--	"	
Xylenes (total)	"	6240	---	99.6	"	"	27.7	5980	104%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	1750	---	39.8	"	"	ND	1990	87.6%	(80-130)	--	--	"	
Naphthalene	"	1870	---	199	"	"	45.5	"	91.6%	(69-163)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 101%*			*Limits: 75-125%*	*0.01x*							*01/25/08 19:55*	
1,2-DCA-d4		*83.8%*			*75-125%*	"							"	
Dibromofluoromethane		*91.8%*			*75-125%*	"							"	
Toluene-d8		*94.8%*			*75-125%*	"							"	

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Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010916 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (8010916-MSD1)					**QC Source: PRA0592-01RE1**				**Extracted: 01/25/08 16:39**					
Benzene	EPA 8260B	1930	---	19.9	ug/kg wet	1x	ND	1990	96.9%	(68.5-125)	1.15%	(25)	01/25/08 20:23	
Toluene	"	1890	---	49.8	"	"	12.9	"	94.4%	(70.3-125)	1.71%	"	"	
Ethylbenzene	"	2200	---	49.8	"	"	8.91	"	110%	(80-124)	5.01%	"	"	
Xylenes (total)	"	6480	---	99.5	"	"	27.7	5970	108%	(70-130)	3.80%	"	"	
Methyl tert-butyl ether	"	1750	---	39.8	"	"	ND	1990	88.0%	(80-130)	0.356%	"	"	
Naphthalene	"	1930	---	199	"	"	45.5	"	94.6%	(69-163)	3.10%	"	"	

Surrogate(s):	*4-BFB*	*Recovery:*	*105%*	*Limits: 75-125%*	*0.01x*	*01/25/08 20:23*
	1,2-DCA-d4		*82.2%*	*75-125%*	"	"
	Dibromofluoromethane		*93.1%*	*75-125%*	"	"
	Toluene-d8		*96.7%*	*75-125%*	"	"

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Polynuclear Aromatic Compounds per EPA 8270M-SIM - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010501 **Soil Preparation Method: EPA 3550**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010501-BLK1)								**Extracted: 01/16/08 11:00**						
Acenaphthene	EPA 8270m	ND	---	13.2	ug/kg wet	1x	--	--	--	--	--	--	01/17/08 14:41	
Acenaphthylene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Dibenzo (a,h) anthracene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery: 86.6%*			*Limits: 24-125%*	"							*01/17/08 14:41*	
Pyrene-d10		*85.4%*			*41-141%*	"							"	
Benzo (a) pyrene-d12		*92.0%*			*38-143%*	"							"	
LCS (8010501-BS1)								**Extracted: 01/16/08 11:00**						MNR
Acenaphthene	EPA 8270m	147	---	13.4	ug/kg wet	1x	--	166	88.2%	(33-139)	--	--	01/17/08 15:11	
Benzo (a) pyrene	"	160	---	13.4	"	"	--	"	96.0%	(45-149)	--	--	"	
Pyrene	"	147	---	13.4	"	"	--	"	88.3%	(39-138)	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery: 91.3%*			*Limits: 24-125%*	"							*01/17/08 15:11*	
Pyrene-d10		*89.1%*			*41-141%*	"							"	
Benzo (a) pyrene-d12		*98.5%*			*38-143%*	"							"	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

TCLP Extraction Only - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010498 **Other dry Preparation Method: EPA 1311**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010498-BLK1)									**Extracted: 01/15/08 21:15**					
Extraction	EPA 1311	ND	---	1.00	N/A	1x	--	--	--	--	--	--	01/16/08 15:21	

QC Batch: 8010600 **Soil Preparation Method: EPA 1311**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010600-BLK1)									**Extracted: 01/17/08 20:39**					
Extraction	EPA 1311	ND	---	1.00	N/A	1x	--	--	--	--	--	--	01/18/08 16:14	

QC Batch: 8011114 **Soil Preparation Method: EPA 1311**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8011114-BLK1)									**Extracted: 01/31/08 19:04**					
Extraction	EPA 1311	ND	---	1.00	N/A	1x	--	--	--	--	--	--	02/01/08 15:45	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Percent Dry Weight (Solids) per Standard Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010544 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (8010544-DUP1)				**QC Source: PRA0446-01**					**Extracted: 01/16/08 15:04**					
% Solids	NCA SOP	74.7	---	0.0100	% by Weight	1x	75.5	--	--	--	1.07%	(20)	01/16/08 15:04	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/06/08 15:26

Notes and Definitions

Report Specific Notes:

M7	-	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
M8	-	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MNR	-	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
Q8	-	Detected hydrocarbons in the gasoline range appear to be due to overlap of diesel range hydrocarbons.
Q9	-	Hydrocarbon pattern most closely resembles weathered diesel.
R3	-	The RPD exceeded the acceptance limit due to sample matrix effects.
RL1	-	Reporting limit raised due to sample matrix effects.
RL3	-	Reporting limit raised due to high concentrations of non-target analytes.
Z	-	Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
Z9	-	Unable to calculate surrogate recovery due to matrix interference.
ZX	-	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Christina M. Woodcock

Christina Woodcock, Project Manager

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9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
[illegible] Anchorage, AK [illegible] 907-563-9200 FAX 563-[illegible]

CHAIN OF CUSTODY REPORT

Work Order #: PRA0372

CLIENT: SECOR

REPORT TO: Jessica Eckart
ADDRESS: 7730 SW Mohawk Blvd
Tualatin, OR 97062
PHONE: 503-691-2030 FAX: 503-692-7074

INVOICE TO: SECOR
7730 SW Mohawk Blvd
Tualatin, OR 97062

P.O. NUMBER: Call Jessica Eckart

PROJECT NAME: 0922 Portland Terminal (COP)
PROJECT NUMBER: 0922
SAMPLED BY: Norman Swanson

PRESERVATIVE

REQUESTED ANALYSES

TURNAROUND REQUEST
in Business Days *

Organic & Inorganic Analyses: 10 (STD) | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: 5 (STD) | 4 | 3 | 2 | 1 | <1

OTHER Specify

* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME		MATRIX (W, S, O)	# OF CONT.	LOCATION COMMENTS	TA WO ID
1	1-08-00RS-1	1-14-08/1350	TCLP Lead	0	1		
2	1-08-00RS-2	1-14-08/1400		0	1	HOLD	
3	1-08-00RS-11	1-14-08/1350		0	1	HOLD	
4	1-08-00RS-22	1-14-08/1400		0	1	HOLD	
5							
6							
7							
8							
9							
10							

RELEASED BY: [signature]	DATE: 1-14-08	RECEIVED BY: [signature]	DATE: 1-14-08
PRINT NAME: Norman Swanson	FIRM: SECOR	TIME: 1533	PRINT NAME: [illegible]	FIRM: TAP	TIME: 1535
RELEASED BY: [signature]	DATE: 1-14-08	RECEIVED BY: Jamie L. Ireland	DATE: 1/14/08
PRINT NAME: [signature]	FIRM: TAP	TIME: 1630	PRINT NAME: Jamie Ireland	FIRM: TAP	TIME: 16:30

ADDITIONAL REMARKS:

TEMP: 2.9

PAGE OF

TAL-1000 0907

COP0016245

TestAmerica Sample Receipt Checklist

Cooler ID(s):

Received by: *(section A)*
Date: 1/14/08
Time: 16:30
Initials: JI

Unpacked by: *(section B)*
Date: 1/14/08
Initials: JI

Logged-in by:
Date: 1/14/08
Initials: JI

Work Order No. PRA0372
Client: Secor
Project: Conoco Phillips

Temperature out of range:
___Not enough Ice
___*No Ice*
___*Ice Melted*
___*W/in 4 Hours*
___*Other*_____

***ESI Clients *(see Section C)*

Cooler Temperature (IR): 2.9 °C plastic glass NA *(oil/air samples, ESI client)* Temperature Blank: _____°C

A

Custody Seals: (#____)

Signature: Y N Dated:_____
X None

Container Type:
1 #Cooler(s)
____#Box(s)
____None (___#Other:_____)

Coolant Type:
____Gel Ice
X Loose Ice
____None

Packing Material:
____Bubble Bags
____Styrofoam Cubbies
X None (____Other:_____)

Received from:
X TA Courier
____Senvoy
____UPS
____Fed Ex
____Client
____TDP
____DHL
____SDS
____Mid-Valley
____GS/TA
____GS/Senvoy
____Other:
_____

B

Sample Status:
(If N circled, see NOD)

General:			
Intact?	Y	N	
# Containers Match COC?	Y	N	none given
IDs Match COC?	Y	N	
For Analyses Requested:			
Correct Type & Preservation?	Y	N	
Adequate Volume?	Y	N	
Within Hold Time?	Y	N	
Volatiles/ Oil Quality:			
VOAs/ Syringes free of Headspace?	Y	N	NA
TB on COC? not provided	Y	N	NA
Metals:			
HNO3 Preserved?	Y	N	NA
Dissolved Metals Filtered?	Y	N	NA

C

***ESI Clients Only:

Temperature Blank: _____°C not provided

All preserved bottles checked Y N NA *(voas/soils/all unp.)*
All preserved accordingly? Y N *(see NOD)* NA *(voas/soils/all unp.)*

FED EX/ UPS: Was the tracking paper keepable? YES NO

If circled NO, what is the Tracking number? _____

FED EX Goldstreak UPS DHL Other: _____

Project Managers

Comments:_____

PM Reviewed (Initial/Date)

COP0016246

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THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

January 28, 2008

Jessica Eckart
Secor
7730 SW Mohawk Street
Tualatin, OR 97062

RE: Conoco Phillips

Enclosed are the results of analyses for samples received by the laboratory on 01/14/08 16:30. The following list is a summary of the Work Orders contained in this report, generated on 01/28/08 16:32.

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

Work Order	Project	ProjectNumber
PRA0372	Conoco Phillips	0922 Portland Terminal (COP

TestAmerica Portland

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
1-08-00RS-1	PRA0372-01	Other dry	01/14/08 13:50	01/14/08 16:30
1-08-00RS-2	PRA0372-02	Soil	01/14/08 14:00	01/14/08 16:30
1-08-00RS-11	PRA0372-03	Soil	01/14/08 13:50	01/14/08 16:30
1-08-00RS-22	PRA0372-04	Soil	01/14/08 14:00	01/14/08 16:30

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Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

Gasoline Hydrocarbons per NW TPH-Gx Method

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-02 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					**Q8**
Gasoline Range Hydrocarbons	NW TPH-Gx	**133**	-----	9.49	mg/kg dry	1x	8010536	01/16/08 15:00	01/16/08 15:49	
Surrogate(s): a,a,a-TFT			*38.3%*		*50 - 150%*	"			"	*Z*
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					**Q8**
Gasoline Range Hydrocarbons	NW TPH-Gx	**105**	-----	8.08	mg/kg dry	1x	8010536	01/16/08 15:00	01/16/08 16:16	
Surrogate(s): a,a,a-TFT			*48.4%*		*50 - 150%*	"			"	*Z*
PRA0372-04 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					**Q8**
Gasoline Range Hydrocarbons	NW TPH-Gx	**120**	-----	9.26	mg/kg dry	1x	8010536	01/16/08 15:00	01/16/08 16:44	
Surrogate(s): a,a,a-TFT			*47.7%*		*50 - 150%*	"			"	*Z*

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-02 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					
Diesel Range Organics	NWTPH-Dx	**2320**	-----	155	mg/kg dry	5x	8010606	01/18/08 11:30	01/21/08 09:57	**Q9**
Heavy Oil Range Hydrocarbons	"	**501**	-----	309	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*32.1%*		*50 - 150%*	"			"	*ZX*
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
Diesel Range Organics	NWTPH-Dx	**6480**	-----	25.4	mg/kg dry	1x	8010606	01/18/08 11:30	01/18/08 21:29	**Q9**
Heavy Oil Range Hydrocarbons	"	**1380**	-----	50.9	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*49.8%*		*50 - 150%*	"			"	*ZX*
PRA0372-04 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					
Diesel Range Organics	NWTPH-Dx	**8760**	-----	29.3	mg/kg dry	1x	8010606	01/18/08 11:30	01/18/08 21:49	**Q9**
Heavy Oil Range Hydrocarbons	"	**1850**	-----	58.6	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*32.9%*		*50 - 150%*	"			"	*ZX*

TestAmerica Portland

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

Total Metals per EPA 6000/7000 Series Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-02 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					
Arsenic	EPA 6020	**135**	-----	1.21	mg/kg dry	1x	8010638	01/18/08 14:54	01/19/08 11:01	
Barium	"	**485**	-----	1.21	"	"	"	"	01/19/08 19:59	
Cadmium	"	ND	-----	1.21	"	"	"	"	01/19/08 11:01	
Chromium	"	**13.2**	-----	1.21	"	"	"	"	"	
Lead	"	**5.89**	-----	1.21	"	"	"	"	"	
Selenium	"	ND	-----	1.21	"	"	"	"	"	
Silver	"	ND	-----	1.21	"	"	"	"	"	
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
Arsenic	EPA 6020	**133**	-----	1.02	mg/kg dry	1x	8010638	01/18/08 14:54	01/19/08 11:16	
Barium	"	**396**	-----	1.02	"	"	"	"	01/19/08 20:14	
Cadmium	"	ND	-----	1.02	"	"	"	"	01/19/08 11:16	
Chromium	"	**14.8**	-----	1.02	"	"	"	"	"	
Lead	"	**5.76**	-----	1.02	"	"	"	"	"	
Selenium	"	ND	-----	1.02	"	"	"	"	"	
Silver	"	ND	-----	1.02	"	"	"	"	"	
PRA0372-04 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					
Arsenic	EPA 6020	**123**	-----	1.24	mg/kg dry	1x	8010638	01/18/08 14:54	01/19/08 11:39	
Barium	"	**440**	-----	1.24	"	"	"	"	01/19/08 20:36	
Cadmium	"	ND	-----	1.24	"	"	"	"	01/19/08 11:39	
Chromium	"	**14.5**	-----	1.24	"	"	"	"	"	
Lead	"	**9.53**	-----	1.24	"	"	"	"	"	
Selenium	"	ND	-----	1.24	"	"	"	"	"	
Silver	"	ND	-----	1.24	"	"	"	"	"	

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Christina M. Woodcock

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

TCLP Metals per EPA 1311/6000/7000 Series Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-01 (1-08-00RS-1)		**Other dry**			**Sampled: 01/14/08 13:50**					
Lead	1311/6020	ND	-----	0.0500	mg/l	1x	8010545	01/16/08 15:29	01/17/08 18:34	
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
Lead	1311/6020	ND	-----	0.0500	mg/l	1x	8010643	01/18/08 16:52	01/19/08 08:20	

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Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

Total Mercury per EPA Method 7471A

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-02 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					
Mercury	EPA 7471A	ND	-----	0.121	mg/kg dry	1x	8010607	01/18/08 08:23	01/18/08 11:21	
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
Mercury	EPA 7471A	ND	-----	0.155	mg/kg dry	1x	8010607	01/18/08 08:23	01/18/08 11:23	
PRA0372-04 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					
Mercury	EPA 7471A	ND	-----	0.149	mg/kg dry	1x	8010607	01/18/08 08:23	01/18/08 11:25	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-02RE1 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					
Benzene	EPA 8260B	ND	-----	47.5	ug/kg dry	1x	8010916	01/25/08 16:39	01/25/08 22:41	
Toluene	"	ND	-----	119	"	"	"	"	"	
Ethylbenzene	"	ND	-----	119	"	"	"	"	"	
Xylenes (total)	"	ND	-----	237	"	"	"	"	"	
Methyl tert-butyl ether	"	**159**	-----	94.9	"	"	"	"	"	
Surrogate(s): 4-BFB			*103%*		*75 - 125 %*	*0.01x*			"	
1,2-DCA-d4			*83.0%*		*75 - 125 %*	"			"	
Dibromofluoromethane			*87.6%*		*75 - 125 %*	"			"	
Toluene-d8			*96.8%*		*75 - 125 %*	"			"	
PRA0372-03RE1 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
Benzene	EPA 8260B	ND	-----	40.4	ug/kg dry	1x	8010916	01/25/08 16:39	01/25/08 23:08	
Toluene	"	ND	-----	101	"	"	"	"	"	
Ethylbenzene	"	ND	-----	101	"	"	"	"	"	
Xylenes (total)	"	ND	-----	202	"	"	"	"	"	
Methyl tert-butyl ether	"	**95.0**	-----	80.8	"	"	"	"	"	
Surrogate(s): 4-BFB			*104%*		*75 - 125 %*	*0.01x*			"	
1,2-DCA-d4			*82.4%*		*75 - 125 %*	"			"	
Dibromofluoromethane			*88.0%*		*75 - 125 %*	"			"	
Toluene-d8			*98.0%*		*75 - 125 %*	"			"	
PRA0372-04RE1 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					
Benzene	EPA 8260B	ND	-----	46.3	ug/kg dry	1x	8010916	01/25/08 16:39	01/25/08 23:36	
Toluene	"	ND	-----	116	"	"	"	"	"	
Ethylbenzene	"	ND	-----	116	"	"	"	"	"	
Xylenes (total)	"	ND	-----	232	"	"	"	"	"	
Methyl tert-butyl ether	"	**106**	-----	92.6	"	"	"	"	"	
Surrogate(s): 4-BFB			*104%*		*75 - 125 %*	*0.01x*			"	
1,2-DCA-d4			*78.0%*		*75 - 125 %*	"			"	
Dibromofluoromethane			*86.3%*		*75 - 125 %*	"			"	
Toluene-d8			*97.0%*		*75 - 125 %*	"			"	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

Polynuclear Aromatic Compounds per EPA 8270M-SIM

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					**RL3**
Acenaphthene	EPA 8270m	**1340**	-----	273	ug/kg dry	10x	8010501	01/16/08 15:45	01/17/08 16:43	
Acenaphthylene	"	ND	-----	1360	"	50x	"	"	01/17/08 11:11	**RL1**
Anthracene	"	**1630**	-----	273	"	10x	"	"	01/17/08 16:43	
Benzo (a) anthracene	"	**320**	-----	273	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	273	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	273	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	273	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	273	"	"	"	"	"	
Chrysene	"	**597**	-----	273	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	-----	273	"	"	"	"	"	
Fluoranthene	"	**528**	-----	273	"	"	"	"	"	
Fluorene	"	**2290**	-----	273	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	273	"	"	"	"	"	
Naphthalene	"	ND	-----	1360	"	50x	"	"	01/17/08 11:11	**RL1**
Phenanthrene	"	**5350**	-----	273	"	10x	"	"	01/17/08 16:43	
Pyrene	"	**1680**	-----	273	"	"	"	"	"	
Surrogate(s): Fluorene-d10			*NR*		*24 - 125 %*	"			"	*Z9*
Pyrene-d10			*62.5%*		*41 - 141 %*	"			"	
Benzo (a) pyrene-d12			*85.2%*		*38 - 143 %*	"			"	

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

TCLP Extraction Only

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-01 (1-08-00RS-1)		**Other dry**			**Sampled: 01/14/08 13:50**					
Extraction	EPA 1311	ND	-----	1.00	N/A	1x	8010498	01/15/08 21:15	01/16/08 15:21	
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
Extraction	EPA 1311	ND	-----	1.00	N/A	1x	8010600	01/17/08 20:39	01/18/08 16:14	

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

Percent Dry Weight (Solids) per Standard Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0372-02 (1-08-00RS-2)		**Soil**			**Sampled: 01/14/08 14:00**					
% Solids	NCA SOP	**41.4**	-----	0.0100	% by Weight	1x	8010544	01/16/08 15:04	01/16/08 15:04	
PRA0372-03 (1-08-00RS-11)		**Soil**			**Sampled: 01/14/08 13:50**					
% Solids	NCA SOP	**49.0**	-----	0.0100	% by Weight	1x	8010544	01/16/08 15:04	01/16/08 15:04	
PRA0372-04 (1-08-00RS-22)		**Soil**			**Sampled: 01/14/08 14:00**					
% Solids	NCA SOP	**42.1**	-----	0.0100	% by Weight	1x	8010544	01/16/08 15:04	01/16/08 15:04	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

Gasoline Hydrocarbons per NW TPH-Gx Method - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010536 **Soil Preparation Method: EPA 5035 Modified**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010536-BLK1)								**Extracted: 01/16/08 13:30**						
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	---	3.82	mg/kg wet	1x	--	--	--	--	--	--	01/16/08 14:37	
Surrogate(s): a,a,a-TFT		*Recovery: 94.8%*			*Limits: 50-150%*	"							*01/16/08 14:37*	
LCS (8010536-BS1)								**Extracted: 01/16/08 13:30**						
Gasoline Range Hydrocarbons	NW TPH-Gx	21.4	---	3.85	mg/kg wet	1x	--	24.0	89.2%	(70-130)	--	--	01/16/08 14:09	
Surrogate(s): a,a,a-TFT		*Recovery: 98.0%*			*Limits: 50-150%*	"							*01/16/08 14:09*	
Duplicate (8010536-DUP1)					**QC Source: PQK0032-01**			**Extracted: 01/16/08 13:30**						
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	---	4.85	mg/kg dry	1x	ND	--	--	--	NR	(40)	01/18/08 10:52	
Surrogate(s): a,a,a-TFT		*Recovery: 85.6%*			*Limits: 50-150%*	"							*01/18/08 10:52*	
Matrix Spike (8010536-MS1)					**QC Source: PQK0032-03**			**Extracted: 01/16/08 13:30**						M8
Gasoline Range Hydrocarbons	NW TPH-Gx	14.8	---	4.19	mg/kg dry	1x	1.14	26.2	52.2%	(65-130)	--	--	01/18/08 11:20	
Surrogate(s): a,a,a-TFT		*Recovery: 90.9%*			*Limits: 50-150%*	"							*01/18/08 11:20*	

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method - Laboratory Quality Control Results

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QC Batch: 8010606 **Soil Preparation Method: EPA 3550 Fuels**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010606-BLK1)								**Extracted: 01/18/08 11:30**						
Diesel Range Organics	NWTPH-Dx	ND	---	12.5	mg/kg wet	1x	--	--	--	--	--	--	01/18/08 15:34	
Heavy Oil Range Hydrocarbons	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 82.5%*			*Limits: 50-150%*	"							*01/18/08 15:34*	
LCS (8010606-BS1)								**Extracted: 01/18/08 11:30**						
Diesel Range Organics	NWTPH-Dx	122	---	12.5	mg/kg wet	1x	--	125	97.1%	(50-150)	--	--	01/18/08 15:54	
Heavy Oil Range Hydrocarbons	"	76.9	---	25.0	"	"	--	75.2	102%	"	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 98.1%*			*Limits: 50-150%*	"							*01/18/08 15:54*	
Duplicate (8010606-DUP1)					**QC Source: PRA0372-02**			**Extracted: 01/18/08 11:30**						
Diesel Range Organics	NWTPH-Dx	3210	---	153	mg/kg dry	5x	2320	--	--	--	32.5%	(40)	01/21/08 09:40	Q9
Heavy Oil Range Hydrocarbons	"	705	---	306	"	"	501	--	--	--	33.9%	"	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 12.5%*			*Limits: 50-150%*	"							*01/21/08 09:40*	*ZX*
Duplicate (8010606-DUP2)					**QC Source: PRA0479-01**			**Extracted: 01/18/08 11:30**						
Diesel Range Organics	NWTPH-Dx	ND	---	16.9	mg/kg dry	1x	23.6	--	--	--	50.1%	(40)	01/18/08 16:14	R3
Heavy Oil Range Hydrocarbons	"	36.2	---	33.8	"	"	65.5	--	--	--	57.7%	"	"	R3
Surrogate(s): 1-Chlorooctadecane		*Recovery: 87.9%*			*Limits: 50-150%*	"							*01/18/08 16:14*	
Matrix Spike (8010606-MS1)					**QC Source: PQK0032-03**			**Extracted: 01/18/08 11:30**						
Diesel Range Organics	NWTPH-Dx	118	---	14.0	mg/kg dry	1x	ND	141	83.8%	(50-150)	--	--	01/18/08 16:34	
Heavy Oil Range Hydrocarbons	"	78.5	---	28.1	"	"	ND	84.4	92.9%	"	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 83.5%*			*Limits: 50-150%*	"							*01/18/08 16:34*	
Matrix Spike Dup (8010606-MSD1)					**QC Source: PQK0032-03**			**Extracted: 01/18/08 11:30**						
Diesel Range Organics	NWTPH-Dx	117	---	13.9	mg/kg dry	1x	ND	139	83.9%	(50-150)	1.05%	(40)	01/18/08 16:54	
Heavy Oil Range Hydrocarbons	"	76.4	---	27.7	"	"	ND	83.5	91.5%	"	2.67%	"	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 82.3%*			*Limits: 50-150%*	"							*01/18/08 16:54*	

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010638 **Soil Preparation Method: EPA 3050**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010638-BLK1)								Extracted: 01/18/08 14:54						
Arsenic	EPA 6020	ND	---	0.495	mg/kg wet	1x	--	--	--	--	--	--	01/19/08 10:05	
Barium	"	ND	---	0.495	"	"	--	--	--	--	--	--	01/19/08 19:07	
Cadmium	"	ND	---	0.495	"	"	--	--	--	--	--	--	01/19/08 10:05	
Chromium	"	ND	---	0.495	"	"	--	--	--	--	--	--	"	
Lead	"	ND	---	0.495	"	"	--	--	--	--	--	--	"	
Selenium	"	ND	---	0.495	"	"	--	--	--	--	--	--	"	
Silver	"	ND	---	0.495	"	"	--	--	--	--	--	--	"	
LCS (8010638-BS1)								Extracted: 01/18/08 14:54						
Arsenic	EPA 6020	11.2	---	0.476	mg/kg wet	1x	--	9.52	118%	(80-120)	--	--	01/19/08 10:12	
Barium	"	9.59	---	0.476	"	"	--	"	101%	"	--	--	01/19/08 19:14	
Cadmium	"	10.6	---	0.476	"	"	--	"	111%	"	--	--	01/19/08 10:12	
Chromium	"	10.3	---	0.476	"	"	--	"	108%	"	--	--	01/19/08 13:32	
Lead	"	10.6	---	0.476	"	"	--	"	112%	"	--	--	01/19/08 10:12	
Selenium	"	9.15	---	0.476	"	"	--	"	96.1%	"	--	--	"	
Silver	"	5.24	---	0.476	"	"	--	4.76	110%	"	--	--	"	
Duplicate (8010638-DUP1)					QC Source: PRA0270-01			Extracted: 01/18/08 14:54						
Arsenic	EPA 6020	3.09	---	0.698	mg/kg dry	1x	3.21	--	--	--	3.84%	(40)	01/19/08 10:27	
Barium	"	151	---	0.698	"	"	159	--	--	--	5.58%	"	01/19/08 19:29	
Cadmium	"	ND	---	0.698	"	"	ND	--	--	--	9.52%	"	01/19/08 10:27	
Chromium	"	22.8	---	0.698	"	"	24.1	--	--	--	5.71%	"	"	
Lead	"	4.22	---	0.698	"	"	4.50	--	--	--	6.47%	"	"	
Selenium	"	ND	---	0.698	"	"	ND	--	--	--	NR	"	"	
Silver	"	ND	---	0.698	"	"	ND	--	--	--	14.4%	"	"	
Matrix Spike (8010638-MS1)					QC Source: PRA0270-02			Extracted: 01/18/08 14:54						
Arsenic	EPA 6020	16.4	---	0.665	mg/kg dry	1x	3.52	13.3	97.0%	(75-125)	--	--	01/19/08 10:54	
Barium	"	150	---	0.665	"	"	121	"	221%	"	--	--	01/19/08 19:52	M7
Cadmium	"	14.3	---	0.665	"	"	0.132	"	106%	"	--	--	01/19/08 10:54	
Chromium	"	34.1	---	0.665	"	"	15.7	"	139%	"	--	--	"	M7
Lead	"	19.6	---	0.665	"	"	5.78	"	104%	"	--	--	"	
Selenium	"	11.7	---	0.665	"	"	ND	"	88.2%	"	--	--	"	
Silver	"	6.77	---	0.665	"	"	ND	6.65	102%	"	--	--	"	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010638 **Soil Preparation Method: EPA 3050**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (8010638-MS2)					QC Source: PRA0372-02			Extracted: 01/18/08 14:54						
Arsenic	EPA 6020	139	---	1.23	mg/kg dry	1x	135	24.6	18.1%	(75-125)	--	--	01/19/08 11:09	M8
Barium	"	420	---	1.23	"	"	485	"	-262%	"	--	--	01/19/08 20:07	M8
Cadmium	"	26.9	---	1.23	"	"	0.338	"	108%	"	--	--	01/19/08 11:09	
Chromium	"	41.3	---	1.23	"	"	13.2	"	114%	"	--	--	"	
Lead	"	29.4	---	1.23	"	"	5.89	"	95.4%	"	--	--	"	
Selenium	"	21.5	---	1.23	"	"	ND	"	87.4%	"	--	--	"	
Silver	"	12.9	---	1.23	"	"	0.193	12.3	103%	"	--	--	"	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

TCLP Metals per EPA 1311/6000/7000 Series Methods - Laboratory Quality Control Results

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QC Batch: 8010545 **Other dry Preparation Method: EPA 1311/3005**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010545-BLK1)									Extracted: 01/16/08 15:29					
Lead	1311/6020	ND	---	0.0500	mg/l	1x	--	--	--	--	--	--	01/17/08 18:19	
LCS (8010545-BS1)									Extracted: 01/16/08 15:29					
Lead	1311/6020	0.193	---	0.0500	mg/l	1x	--	0.200	96.3%	(75-125)	--	--	01/17/08 18:27	
Duplicate (8010545-DUP1)				QC Source: PRA0372-01					Extracted: 01/16/08 15:29					
Lead	1311/6020	ND	---	0.0500	mg/l	1x	ND	--	--	--	NR	(20)	01/17/08 18:41	
Matrix Spike (8010545-MS1)				QC Source: PRA0372-01					Extracted: 01/16/08 15:29					
Lead	1311/6020	0.192	---	0.0500	mg/l	1x	ND	0.200	96.0%	(50-150)	--	--	01/17/08 18:56	

QC Batch: 8010643 **Soil Preparation Method: EPA 1311/3005**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010643-BLK1)									Extracted: 01/18/08 16:52					
Lead	1311/6020	ND	---	0.0500	mg/l	1x	--	--	--	--	--	--	01/19/08 07:20	
LCS (8010643-BS1)									Extracted: 01/18/08 16:52					
Lead	1311/6020	0.176	---	0.0500	mg/l	1x	--	0.200	88.1%	(75-125)	--	--	01/19/08 07:28	
Duplicate (8010643-DUP1)				QC Source: PQL0744-01					Extracted: 01/18/08 16:52					
Lead	1311/6020	ND	---	0.0500	mg/l	1x	ND	--	--	--	4.44%	(20)	01/19/08 07:43	
Matrix Spike (8010643-MS1)				QC Source: PRA0303-01					Extracted: 01/18/08 16:52					
Lead	1311/6020	0.179	---	0.0500	mg/l	1x	0.00200	0.200	88.6%	(50-150)	--	--	01/19/08 08:05	
Matrix Spike (8010643-MS2)				QC Source: PRA0372-03					Extracted: 01/18/08 16:52					
Lead	1311/6020	0.175	---	0.0500	mg/l	1x	ND	0.200	87.6%	(50-150)	--	--	01/19/08 08:28	
Matrix Spike (8010643-MS3)				QC Source: PRA0426-02					Extracted: 01/18/08 16:52					
Lead	1311/6020	8.11	---	0.0500	mg/l	1x	7.83	0.200	139%	(50-150)	--	--	01/19/08 08:57	

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Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

Total Mercury per EPA Method 7471A - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010607 **Soil Preparation Method: EPA 7471A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010607-BLK1)									**Extracted: 01/18/08 08:23**					
Mercury	EPA 7471A	ND	---	0.100	mg/kg wet	1x	--	--	--	--	--	--	01/18/08 11:01	
LCS (8010607-BS1)									**Extracted: 01/18/08 08:23**					
Mercury	EPA 7471A	1.02	---	0.100	mg/kg wet	1x	--	1.00	102%	(80-120)	--	--	01/18/08 11:03	
LCS Dup (8010607-BSD1)									**Extracted: 01/18/08 08:23**					
Mercury	EPA 7471A	1.02	---	0.100	mg/kg wet	1x	--	1.00	102%	(80-120)	0.535%	(20)	01/18/08 11:07	
Duplicate (8010607-DUP1)				**QC Source: PRA0411-01**					**Extracted: 01/18/08 08:23**					
Mercury	EPA 7471A	ND	---	0.149	mg/kg dry	1x	ND	--	--	--	NR	(40)	01/18/08 11:10	
Matrix Spike (8010607-MS1)				**QC Source: PRA0411-01**					**Extracted: 01/18/08 08:23**					
Mercury	EPA 7471A	1.08	---	0.140	mg/kg dry	1x	ND	1.40	77.2%	(75-125)	--	--	01/18/08 11:13	
Matrix Spike Dup (8010607-MSD1)				**QC Source: PRA0411-01**					**Extracted: 01/18/08 08:23**					
Mercury	EPA 7471A	1.18	---	0.148	mg/kg dry	1x	ND	1.48	79.8%	(75-125)	9.32%	(40)	01/18/08 11:17	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010916 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010916-BLK1)								Extracted: 01/25/08 16:39						
1,2-Dibromoethane	EPA 8260B	ND	---	49.8	ug/kg wet	1x	--	--	--	--	--	--	01/25/08 21:46	
1,2-Dichloroethane	"	ND	---	49.8	"	"	--	--	--	--	--	--	"	
Benzene	"	ND	---	19.9	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	49.8	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	49.8	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	99.5	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	39.8	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	199	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	99.5	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	49.8	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	199	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	49.8	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 96.4%*			*Limits: 75-125%*	*0.01x*							*01/25/08 21:46*	
1,2-DCA-d4		*83.8%*			*75-125%*	"							"	
Dibromofluoromethane		*87.8%*			*75-125%*	"							"	
Toluene-d8		*93.9%*			*75-125%*	"							"	
LCS (8010916-BS1)								Extracted: 01/25/08 16:39						
Benzene	EPA 8260B	1990	---	19.8	ug/kg wet	1x	--	1980	101%	(81.8-125)	--	--	01/25/08 19:26	
Toluene	"	1900	---	49.6	"	"	--	"	96.0%	(80-125)	--	--	"	
Ethylbenzene	"	2170	---	49.6	"	"	--	"	109%	(80-120)	--	--	"	
Xylenes (total)	"	6520	---	99.1	"	"	--	5950	110%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	1850	---	39.6	"	"	--	1980	93.5%	(80-128)	--	--	"	
Naphthalene	"	1900	---	198	"	"	--	"	95.8%	(76.1-153)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 102%*			*Limits: 75-125%*	*0.01x*							*01/25/08 19:26*	
1,2-DCA-d4		*86.9%*			*75-125%*	"							"	
Dibromofluoromethane		*94.1%*			*75-125%*	"							"	
Toluene-d8		*96.1%*			*75-125%*	"							"	
Matrix Spike (8010916-MS1)					QC Source: PRA0592-01RE1			Extracted: 01/25/08 16:39						
Benzene	EPA 8260B	1910	---	19.9	ug/kg wet	1x	ND	1990	95.7%	(68.5-125)	--	--	01/25/08 19:55	
Toluene	"	1860	---	49.8	"	"	12.9	"	92.7%	(70.3-125)	--	--	"	
Ethylbenzene	"	2090	---	49.8	"	"	8.91	"	105%	(80-124)	--	--	"	
Xylenes (total)	"	6240	---	99.6	"	"	27.7	5980	104%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	1750	---	39.8	"	"	ND	1990	87.6%	(80-130)	--	--	"	
Naphthalene	"	1870	---	199	"	"	45.5	"	91.6%	(69-163)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 101%*			*Limits: 75-125%*	*0.01x*							*01/25/08 19:55*	
1,2-DCA-d4		*83.8%*			*75-125%*	"							"	
Dibromofluoromethane		*91.8%*			*75-125%*	"							"	
Toluene-d8		*94.8%*			*75-125%*	"							"	

TestAmerica Portland

Christina Woodcock, Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010916 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (8010916-MSD1)					**QC Source: PRA0592-01RE1**				**Extracted: 01/25/08 16:39**					
Benzene	EPA 8260B	1930	---	19.9	ug/kg wet	1x	ND	1990	96.9%	(68.5-125)	1.15%	(25)	01/25/08 20:23	
Toluene	"	1890	---	49.8	"	"	12.9	"	94.4%	(70.3-125)	1.71%	"	"	
Ethylbenzene	"	2200	---	49.8	"	"	8.91	"	110%	(80-124)	5.01%	"	"	
Xylenes (total)	"	6480	---	99.5	"	"	27.7	5970	108%	(70-130)	3.80%	"	"	
Methyl tert-butyl ether	"	1750	---	39.8	"	"	ND	1990	88.0%	(80-130)	0.356%	"	"	
Naphthalene	"	1930	---	199	"	"	45.5	"	94.6%	(69-163)	3.10%	"	"	

Surrogate(s):	*4-BFB*	*Recovery:*	*105%*	*Limits: 75-125%*	*0.01x*	*01/25/08 20:23*
	1,2-DCA-d4		*82.2%*	*75-125%*	"	"
	Dibromofluoromethane		*93.1%*	*75-125%*	"	"
	Toluene-d8		*96.7%*	*75-125%*	"	"

TestAmerica Portland

Christina Woodcock, Project Manager

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ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

Polynuclear Aromatic Compounds per EPA 8270M-SIM - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010501 **Soil Preparation Method: EPA 3550**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010501-BLK1)								**Extracted: 01/16/08 11:00**						
Acenaphthene	EPA 8270m	ND	---	13.2	ug/kg wet	1x	--	--	--	--	--	--	01/17/08 14:41	
Acenaphthylene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Dibenzo (a,h) anthracene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	13.2	"	"	--	--	--	--	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery: 86.6%*			*Limits: 24-125%*	"							*01/17/08 14:41*	
Pyrene-d10		*85.4%*			*41-141%*	"							"	
Benzo (a) pyrene-d12		*92.0%*			*38-143%*	"							"	
LCS (8010501-BS1)								**Extracted: 01/16/08 11:00**						MNR
Acenaphthene	EPA 8270m	147	---	13.4	ug/kg wet	1x	--	166	88.2%	(33-139)	--	--	01/17/08 15:11	
Benzo (a) pyrene	"	160	---	13.4	"	"	--	"	96.0%	(45-149)	--	--	"	
Pyrene	"	147	---	13.4	"	"	--	"	88.3%	(39-138)	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery: 91.3%*			*Limits: 24-125%*	"							*01/17/08 15:11*	
Pyrene-d10		*89.1%*			*41-141%*	"							"	
Benzo (a) pyrene-d12		*98.5%*			*38-143%*	"							"	

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Christina Woodcock, Project Manager

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BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

TCLP Extraction Only - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010498 **Other dry Preparation Method: EPA 1311**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010498-BLK1)									**Extracted: 01/15/08 21:15**					
Extraction	EPA 1311	ND	---	1.00	N/A	1x	--	--	--	--	--	--	01/16/08 15:21	

QC Batch: 8010600 **Soil Preparation Method: EPA 1311**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010600-BLK1)									**Extracted: 01/17/08 20:39**					
Extraction	EPA 1311	ND	---	1.00	N/A	1x	--	--	--	--	--	--	01/18/08 16:14	

TestAmerica Portland

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

Percent Dry Weight (Solids) per Standard Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010544 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (8010544-DUP1)				**QC Source: PRA0446-01**				**Extracted: 01/16/08 15:04**						
% Solids	NCA SOP	74.7	---	0.0100	% by Weight	1x	75.5	--	--	--	1.07%	(20)	01/16/08 15:04	

TestAmerica Portland

Christina Woodcock, Project Manager

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
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ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/28/08 16:32

Notes and Definitions

Report Specific Notes:

M7	-	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
M8	-	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MNR	-	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
Q8	-	Detected hydrocarbons in the gasoline range appear to be due to overlap of diesel range hydrocarbons.
Q9	-	Hydrocarbon pattern most closely resembles weathered diesel.
R3	-	The RPD exceeded the acceptance limit due to sample matrix effects.
RL1	-	Reporting limit raised due to sample matrix effects.
RL3	-	Reporting limit raised due to high concentrations of non-target analytes.
Z	-	Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
Z9	-	Unable to calculate surrogate recovery due to matrix interference.
ZX	-	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
[illegible] First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
[illegible] Anchorage, AK [illegible] 907-563-9200 FAX 563-[illegible]

CHAIN OF CUSTODY REPORT

Work Order #: PRA0372

CLIENT: SECOR

REPORT TO: Jessica Eckart
ADDRESS: 7730 SW Mohawk Blvd
Tualatin, OR 97062
PHONE: 503-691-2030 FAX: 503-692-7074

INVOICE TO: SECOR
7730 SW Mohawk Blvd
Tualatin, OR 97062

P.O. NUMBER: Call Jessica Eckart

PROJECT NAME: 0922 Portland Terminal (COP)
PROJECT NUMBER: 0922
SAMPLED BY: Norman Swanson

PRESERVATIVE

REQUESTED ANALYSES

TURNAROUND REQUEST
in Business Days *

Organic & Inorganic Analyses: 10 (STD) | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: 5 (STD) | 4 | 3 | 2 | 1 | <1

OTHER Specify

* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME		MATRIX (W, S, O)	# OF CONT.	LOCATION COMMENTS	TA WO ID
1	1-08-00RS-1	1-14-08/1350	TCLP Lead	0	1		
2	1-08-00RS-2	1-14-08/1400		0	1	HOLD	
3	1-08-00RS-11	1-14-08/1350		0	1	HOLD	
4	1-08-00RS-22	1-14-08/1400		0	1	HOLD	
5							
6							
7							
8							
9							
10							

RELEASED BY: [signature]	DATE: 1-14-08	RECEIVED BY: [signature]	DATE: 1-14-08
PRINT NAME: Norman Swanson	FIRM: SECOR	TIME: 1533	PRINT NAME: [illegible]	FIRM: TAP	TIME: 1535
RELEASED BY: [signature]	DATE: 1-14-08	RECEIVED BY: Jamie L. Ireland	DATE: 1/14/08
PRINT NAME: [signature]	FIRM: TAP	TIME: 1630	PRINT NAME: Jamie Ireland	FIRM: TAP	TIME: 16:30

ADDITIONAL REMARKS:

TEMP: 2.9

PAGE OF

TAL-1000 0907

COP0016270

TestAmerica Sample Receipt Checklist

Cooler ID(s):

Received by: *(section A)*
Date: 1/14/08
Time: 16:30
Initials: JI

Unpacked by: *(section B)*
Date: 1/14/08
Initials: JI

Logged-in by:
Date: 1/14/08
Initials: JI

Work Order No. PRA0372
Client: Secor
Project: Conoco Phillips

Temperature out of range:
___Not enough Ice
___*No Ice*
___*Ice Melted*
___*W/in 4 Hours*
___*Other*_____

***ESI Clients *(see Section C)*

Cooler Temperature (IR): 2.9 °C plastic glass NA *(oil/air samples, ESI client)* Temperature Blank: _____°C

A

Custody Seals: (#____)

Signature: Y N Dated:_____
X None

Container Type:
1 #Cooler(s)
____#Box(s)
____None (___#Other:_____)

Coolant Type:
____Gel Ice
X Loose Ice
____None

Packing Material:
____Bubble Bags
____Styrofoam Cubbies
X None (____Other:_____)

Received from:
X TA Courier
____Senvoy
____UPS
____Fed Ex
____Client
____TDP
____DHL
____SDS
____Mid-Valley
____GS/TA
____GS/Senvoy
____Other:
_____

B

Sample Status:
(If N circled, see NOD)

General:			
Intact?	Y	N	
# Containers Match COC?	Y	N	none given
IDs Match COC?	Y	N	
For Analyses Requested:			
Correct Type & Preservation?	Y	N	
Adequate Volume?	Y	N	
Within Hold Time?	Y	N	
Volatiles/ Oil Quality:			
VOAs/ Syringes free of Headspace?	Y	N	NA
TB on COC? not provided	Y	N	NA
Metals:			
HNO3 Preserved?	Y	N	NA
Dissolved Metals Filtered?	Y	N	NA

C

***ESI Clients Only:

Temperature Blank: _____°C not provided

All preserved bottles checked Y N NA *(voas/soils/all unp.)*
All preserved accordingly? Y N *(see NOD)* NA *(voas/soils/all unp.)*

FED EX/ UPS: Was the tracking paper keepable? YES NO

If circled NO, what is the Tracking number? _____

FED EX Goldstreak UPS DHL Other: _____

Project Managers

Comments:_____

PM Reviewed (Initial/Date)

COP0016271

SECOR

SECOR INTERNATIONAL INCORPORATED
7730 Southwest Mohawk Street
Tualatin, Oregon 97062
503-691-2030 TEL / 503-692-7074 FAX
www.secor.com

letter of transmittal

attention: Mr. Eric DeBerry date: February 11, 2008

company: Industrial Source Control Division
Water Pollution Control

address: 6543 N. Burlington Avenue
Portland, OR 97203-5452

project: ConocoPhillips-Chevron Remediation Site, Willbridge Terminal

job no.: 15CP.00922.43 Permit No. 500.015

re: Discharge Monitoring Report – January 2008

enclosed:

( )	Proposal	( )	As Requested
( )	Contract	( )	Review
(X)	Report	(X)	Your Information
( )	Letter	( )	Approval
( )	Other:	( )	Signature
		( )	Return
		( )	Other:

Mr. DeBerry:

Water samples were collected by a representative of SECOR International Incorporated on January 17, 2008. Grab samples were collected by discharging water from sample ports on the process piping directly into laboratory prepared containers. The sample containers were sealed, labeled, placed in a cooler with ice and transported to the project laboratory. The effluent samples were analyzed for pH (EPA Method 150.1/9040A), HEM Oil and Grease (EPA Method 1664) and benzene, toluene, ethylbenzene, and xylenes (BTEX) (EPA Method 8021B). Laboratory analysis was performed by Test America Laboratories in Beaverton, Oregon. A copy of the laboratory analytical reports is attached.

The monitoring was conducted in accordance with the City of Portland Industrial Wastewater Discharge Permit No. 500.015., dated October 2, 2007. The discharge monitoring report (DMR) is being submitted as the self-monitoring report and is attached. All parameters monitored were within the limits listed in the facility's discharge permit.

If you have any questions regarding the enclosed DMR, please feel free to contact us at (503) 691-2030. Thank you.

William C. Eckart for

signator: Norman Swanson/Jessica Eckart
title: Staff Scientist/Project Geologist

NS/JE:dc

Attachments

cc: Mike Noll, Noll Environmental, Inc.

COP0016272

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Tosco/Chevron Remediation Site

PERMIT NUMBER: 500.015

REPORT DUE DATE: 2/15/2008

SAMPLING PERIOD: January 2008

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By:

Comments:

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
1/17/2008	1A	GRAB

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION	MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
HEM Oil & Grease (Total) [1]	EPA 1664A	ND	4.85	N/A	N/A	
HEM Oil and Grease (Non-Polar)	APHA/EPA			110 mg/L	N/A	
HEM Oil and Grease (Polar)	APHA/EPA				N/A	
pH	EPA 150.1/9040A	6.38 SU		5.0 – 11.5	N/A	
BTEX	EPA 8021B	ND	0.0025	0.75 mg/L	N/A	
Totalizer Reading	Field	29,647,978		NA	N/A	Direct Reading 12,925,950

1 If the value of HEM Oil and Grease Total is greater than 110 mg/L, then the Permittee shall analyze the sample for the HEM Oil and Grease Non-Polar constituent.

I certify under penalty of law that his document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure the qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting gales information, including the possibility of fine and imprisonment for knowing violations.

Signature: Date: 2/13/08

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THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

January 30, 2008

Jessica Eckart
Secor
7730 SW Mohawk Street
Tualatin, OR 97062

RE: Conoco Phillips

Enclosed are the results of analyses for samples received by the laboratory on 01/17/08 17:45. The following list is a summary of the Work Orders contained in this report, generated on 01/30/08 16:38.

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

Work Order	Project	ProjectNumber
PRA0505	Conoco Phillips	0922 Portland Terminal (COP)

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/30/08 16:38

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Final	PRA0505-01	Water	01/17/08 16:25	01/17/08 17:45

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/30/08 16:38

BTEX per EPA Method 8021B

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0505-01 (Final)		**Water**			**Sampled: 01/17/08 16:25**					
Benzene	EPA 8021B	ND	-----	0.500	ug/l	1x	8010787	01/23/08 12:22	01/25/08 02:21	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (PID)			*94.1%*		*70 - 130 %*	"			"	

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/30/08 16:38

Oil and Grease Analysis per EPA Method 1664

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0505-01 (Final)		**Water**			**Sampled: 01/17/08 16:25**					
Oil & Grease	EPA 1664	ND	----	4.76	mg/l	1x	8010667	01/21/08 16:30	01/22/08 08:58	

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/30/08 16:38

Conventional Chemistry Parameters per APHA/EPA Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRA0505-01 (Final)		**Water**			**Sampled: 01/17/08 16:25**					
pH	150.1/9040A	**6.38**	-----		pH Units	1x	8010579	01/17/08 17:32	01/17/08 17:33	

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full without the written approval of the laboratory

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/30/08 16:38

BTEX per EPA Method 8021B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010787 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010787-BLK1)								Extracted: 01/23/08 12:22						
Benzene	EPA 8021B	ND	---	0.500	ug/l	1x	--	--	--	--	--	--	01/24/08 07:45	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 96.3%*			*Limits: 70-130%*	"							*01/24/08 07:45*	
LCS (8010787-BS1)								Extracted: 01/23/08 12:22						
Benzene	EPA 8021B	16.5	---	0.500	ug/l	1x	--	20.0	82.4%	(75-125)	--	--	01/24/08 06:25	
Toluene	"	17.7	---	0.500	"	"	--	"	88.7%	(80-120)	--	--	"	
Ethylbenzene	"	18.9	---	0.500	"	"	--	"	94.5%	(80-130)	--	--	"	
Xylenes (total)	"	57.1	---	1.00	"	"	--	60.0	95.2%	"	--	--	"	
o-Xylene	"	19.3	---	1.00	"	"	--	20.0	96.7%	"	--	--	"	
m,p-Xylene	"	37.8	---	1.00	"	"	--	40.0	94.5%	"	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 98.8%*			*Limits: 70-130%*	"							*01/24/08 06:25*	
Matrix Spike (8010787-MS1)					QC Source: PRA0627-02			Extracted: 01/23/08 12:22						
Benzene	EPA 8021B	17.2	---	0.500	ug/l	1x	ND	20.0	85.9%	(65-144)	--	--	01/24/08 09:06	
Toluene	"	18.4	---	0.500	"	"	ND	"	91.9%	(70-135)	--	--	"	
Ethylbenzene	"	19.6	---	0.500	"	"	ND	"	97.8%	(65-145)	--	--	"	
Xylenes (total)	"	58.8	---	1.00	"	"	ND	60.0	98.0%	(60-145)	--	--	"	
o-Xylene	"	20.0	---	1.00	"	"	ND	20.0	99.8%	"	--	--	"	
m,p-Xylene	"	38.8	---	1.00	"	"	ND	40.0	97.1%	"	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 100%*			*Limits: 70-130%*	"							*01/24/08 09:06*	
Matrix Spike Dup (8010787-MSD1)					QC Source: PRA0627-02			Extracted: 01/23/08 12:22						
Benzene	EPA 8021B	17.3	---	0.500	ug/l	1x	ND	20.0	86.4%	(65-144)	0.511%	(20)	01/24/08 09:34	
Toluene	"	18.5	---	0.500	"	"	ND	"	92.3%	(70-135)	0.440%	"	"	
Ethylbenzene	"	19.7	---	0.500	"	"	ND	"	98.6%	(65-145)	0.820%	"	"	
Xylenes (total)	"	59.3	---	1.00	"	"	ND	60.0	98.8%	(60-145)	0.820%	"	"	
o-Xylene	"	20.1	---	1.00	"	"	ND	20.0	101%	"	0.878%	"	"	
m,p-Xylene	"	39.2	---	1.00	"	"	ND	40.0	97.9%	"	0.790%	"	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 101%*			*Limits: 70-130%*	"							*01/24/08 09:34*	

TestAmerica Portland

Christina Woodcock, Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/30/08 16:38

Oil and Grease Analysis per EPA Method 1664 - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010667 **Water Preparation Method: O&G prep CE**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8010667-BLK1)								**Extracted: 01/21/08 14:10**						
Oil & Grease	EPA 1664	ND	---	5.00	mg/l	1x	--	--	--	--	--	--	01/22/08 08:58	
LCS (8010667-BS1)								**Extracted: 01/21/08 14:10**						
Oil & Grease	EPA 1664	35.1	---		mg/l	1x	--	40.0	87.8%	(78-114)	--	--	01/22/08 08:58	

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/30/08 16:38

Conventional Chemistry Parameters per APHA/EPA Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8010579 **Water Preparation Method: General Preparation**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (8010579-DUP1)					QC Source: PRA0467-03				Extracted: 01/17/08 12:39					
pH	150.1/9040A	6.74	---		pH Units	1x	6.69	--	--	--	0.745%	(25)	01/17/08 13:16	

TestAmerica Portland

Christina Woodcock, Project Manager

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	01/30/08 16:38

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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TestAmerica
ANALYTICAL TESTING CORPORATION

CHAIN OF CUSTODY REPORT

Work Order #: PRA0505

CLIENT: SECOR

REPORT TO: Jessica Eckart
ADDRESS: 7730 SW Mohawk St
Tualatin, OR 97062
PHONE: 5036912030 FAX: 5036927074

INVOICE TO: Same

P.O. NUMBER: -NA-

PROJECT NAME: 0922 Portland Terminal (COP)

PROJECT NUMBER: 0922

SAMPLED BY: Norman Swanson

PRESERVATIVE: HCl

REQUESTED ANALYSES

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: (10) 7 5 4 3 2 1 1

Petroleum Hydrocarbon Analyses: (5) 4 3 2 1 <1

OTHER Specify

* Turnaround Requests less than standard may incur Rush Charges

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE TIME	[redacted]	HEM	O+G 1664	BTEX 8021B	pH	MATRIX (W, S, O)	# OF CONT	LOCATION COMMENTS	TA WO ID
1	Final	1-17-08/1625		X	X	X	X	W	3		
2											
3											
4											
5											
6											
7											
8											
9											
10											

RELEASED BY: DATE: 1-17-08
PRINT NAME: Norman Swanson FIRM: SECOR TIME: 1745

RECEIVED BY: Peggy Siegfried DATE: 1/17/08
PRINT NAME: Peggy Siegfried FIRM: TAP TIME: 1745

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:

TEMP: 14.1 PAGE OF

COP0016283

TestAmerica Sample Receipt Checklist

Cooler (Ins)

Received by: (section A)
Date: 1/17/08
Time: 1745
Initials: [illegible]

Unpacked by: (section B)
Date: 1/17/08
Initials: [illegible]

Logged-in by:
Date: 1/17/08
Initials: JI

Work Order No. PRA0505
Client: SECOR
Project: Conuco Phillips

Temperature out of range.

___Not enough Ice
___No Ice
___Ice Melted
X W/in 4 Hours
___Other: _____

***ESI Clients (see Section C)

Cooler Temperature (IR): 14.1 °C plastic glass NA (oil/air samples, ESI client)

Temperature Blank: _____ °C

A

Custody Seals: (#___)

Signature: Y N Dated: _____
X None

Container Type:
1 #Cooler(s)
___#Box(s)
___None (___#Other: _____)

Coolant Type:
___Gel Ice
X Loose Ice
___None

Packing Material:
___Bubble Bags
___Styrofoam Cubbies
___None (X Other: cardboard)

Received from:
___TA Courier
___Senvoy
___UPS
___Fed Ex
X Client
___TDP
___DHL
___SDS
___Mid-Valley
___GS/TA
___GS/Senvoy
___Other: _____

B

Sample Status:
(If N circled, see NOD)

General:			
Intact?	Y	N	
# Containers Match COC?	Y	N	none given
IDs Match COC?	Y	N	
For Analyses Requested:			
Correct Type & Preservation?	Y	N	
Adequate Volume?	Y	N	
Within Hold Time?	Y	N	
Volatiles/ Oil Quality:			
VOAs/ Syringes free of Headspace?	Y	N	NA
TB on COC? not provided	Y	N	NA
Metals:			
HNO3 Preserved?	Y	N	NA
Dissolved Metals Filtered?	Y	N	NA

C

***ESI Clients Only:

Temperature Blank _____ °C not provided

All preserved bottles checked Y N NA (voas/soils/all unp.)
All preserved accordingly? Y N (see NOD) NA (voas/soils/all unp.)

FED EX/ UPS: Was the tracking paper keepable? YES NO

If circled NO, what is the Tracking number? _____

FED EX Goldstreak UPS DHL Other: _____

Project Managers

Comments: _____

PM Reviewed (Initial/Date)

COP0016284

Incident ID: 66968

Short Description: Phase Seperation in product due to contamination

Status: Closed

Responsible Dept\Unit: Terminals : Terminals - West Coast Division : Portland Product Terminal

Incident Type: Incident

Potential Risk Rating: I - Low

General

Responsible Supervisor:	STEVEN KOBER
High Learning Value Event Status:	Not Reviewed for HLVE
Location:	
Specific Location:	Various
Date Occurred: (mm/dd/yyyy)	2/20/2008 11:00:00 AM
Date Reported: (mm/dd/yyyy)	2/20/2008 3:30:00 PM
Date Entered:	2/21/2008 5:34:38 PM (GMT-08:00)
REPORTEDBY:	STEVEN KOBER
Incident Description:	Portland operations received a call from a driver for one of our carriers that he had noticed dirty product through the trucks sight glass. Operations immediately started an investigation and found that a "steamer" line from tank 2915 (87 service) had been opened to the load rack; this line comes directly from the bottom of the tank and allowed water and particulate mixed with product to flow to the truck load rack. Operations immediately corrected the problem and through BOL's attempted to locate all trucks that had loaded during the time frame that the off-spec product was available. Operations was able to stop one truck prior to delivery, but 14 other loads were delivered. All notifications were made and testing of the suspect sites was started. Transportation and Commercial are working together to insure that all contaminated product has been removed and replaced with clean product. ConocoPhillips has established a hotline to insure that all of our customerâ€™s complaints are addressed. An internal investigation is underway.
Weather:	Clear
Lighting:	Day
Address:	5528 NW Doane Ave
City:	Portland
Country:	United States
State/Province:	Oregon
Zip/Postal Code:	97210
Entered By:	KOBER, STEVEN
Immediate Actions Taken:	Operations immediately started an investigation and found that a "steamer" line from tank 2915 (87 service) had been opened to the load rack; this line comes directly from the bottom of the tank and allowed water and particulate mixed with product to flow to the truck load rack. Operations immediately corrected the problem and through BOL's attempted to locate all trucks that had loaded during the time frame that the off-spec product was available. Operations were able to stop one truck prior to delivery but 13 other loads were delivered. All notifications were made and testing of the suspect sites was started. Transportation and Commercial are working together to insure that all contaminated product has been removed and replaced with clean product. ConocoPhillips has established a hotline to insure that all of our customerâ€™s complaints are addressed

Sub Types

Check All That Apply:

General: Property Damage / Loss (e.g.: Fires, Explosions, Loss of Well Control, Business Interruptions, Abnormal Operations, Production Loss / Reduction)
General: Quality (e.g.: Customer Complaints, Contaminations, Off Specifications)

Responsibilities

Workflow Supervisor *

Name	Response
STEVEN KOBER	

Incident Owner *

Name	Response
STEVEN KOBER	

Creator *

Name	Response
STEVEN KOBER	

Notify Only

Name	Response
KEVIN DAVIS	
DONNIE HEMPHILL	
ALAN LANIER	

Notes

Notes: No Data is Available

Equipment

Equipment: No Data is Available

People

Contractor Involvement : No Data is Available

Consequence Number : No Data is Available

Witnesses

Name	Employee,Contractor,or Other	Phone
Merle Barrow	Space Age Fuels	N/A

Consequence

Incident Consequences:
No Data is Available

Pending Consequences

ID	Type	Description	Party Involved
Recommended	Property Damage/Loss	Property Damage/Loss Consequence	
Recommended	Quality	Quality Consequence	

Investigation

Investigations: No Data is Available

Action Items

Action Items: No Data is Available

Summary

COP0016286

SECOR

SECOR INTERNATIONAL INCORPORATED
7730 Southwest Mohawk Street
Tualatin, Oregon 97062
503-691-2030 TEL / 503-692-7074 FAX
www.secor.com

letter of transmittal

attention: Mr. Eric DeBerry

date: February 29, 2008

company: Industrial Source Control Division
Water Pollution Control

address: 6543 N. Burlington Avenue
Portland, OR 97203-5452

project: ConocoPhillips-Chevron Remediation Site, Willbridge Terminal

job no.: 15CP.00922.43 Permit No. 500.015

re: Discharge Monitoring Report – February 2008

enclosed:

( )	Proposal	( )	As Requested
( )	Contract	( )	Review
(X)	Report	(X)	Your Information
( )	Letter	( )	Approval
( )	Other:	( )	Signature
		( )	Return
		( )	Other:

Mr. DeBerry:

Water samples were collected by a representative of SECOR International Incorporated on February 14, 2008. Grab samples were collected by discharging water from sample ports on the process piping directly into laboratory prepared containers. The sample containers were sealed, labeled, placed in a cooler with ice and transported to the project laboratory. The effluent samples were analyzed for pH (Environmental Protection Agency [EPA] Method 150.1/9040A), HEM Oil and Grease (EPA Method 1664) and benzene, toluene, ethylbenzene, and xylenes (BTEX) (EPA Method 8021B). Laboratory analysis was performed by Test America Laboratories in Beaverton, Oregon. A copy of the laboratory analytical reports is attached.

The monitoring was conducted in accordance with the City of Portland Industrial Wastewater Discharge Permit No. 500.015, dated 2 October, 2007. The discharge monitoring report (DMR) is being submitted as the self-monitoring report and is attached. All parameters monitored were within the limits listed in the facility's discharge permit.

If you have any questions regarding the enclosed DMR, please feel free to contact the above at (503) 691-2030. Thank you.

signator: Norman Swanson/Jessica Eckart
title: Staff Scientist/Project Geologist

cc: Mike Noll, Noll Environmental, Inc.

COP0016287

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Tosco/Chevron Remediation Site

PERMIT NUMBER: 500.015

REPORT DUE DATE: 3/15/2008

SAMPLING PERIOD: February 2008

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By:

Comments:

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
2/14/2008	1A	GRAB

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION	MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
HEM Oil & Grease (Total) [1]	EPA 1664A	ND mg/L	4.85	N/A	N/A	
HEM Oil and Grease (Non-Polar)	APHA/EPA			110 mg/L	N/A	
HEM Oil and Grease (Polar)	APHA/EPA				N/A	
pH	EPA Method 150.1/9040A	6.75 SU		5.0 – 11.5	N/A	
BTEX	EPA 8021B	ND mg/L	0.0025	0.75 mg/L	N/A	
Totalized Reading	Field	30,459,328		NA	N/A	Field Reading 13,737,300

1 If the value of HEM Oil and Grease Total is greater than 110 mg/L, then the Permittee shall analyze the sample for the HEM Oil and Grease Non-Polar constituent.

I certify under penalty of law that his document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure the qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting gales information, including the possibility of fine and imprisonment for knowing violations.

Signature: Ryan W. [illegible] Date: 3/3/08

COP0016288

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

February 26, 2008

Jessica Eckart
Secor
7730 SW Mohawk Street
Tualatin, OR 97062

RE: Conoco Phillips

Enclosed are the results of analyses for samples received by the laboratory on 02/14/08 16:30. The following list is a summary of the Work Orders contained in this report, generated on 02/26/08 17:32.

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

Work Order	Project	ProjectNumber
PRB0414	Conoco Phillips	0922 Portland Terminal (COP

TestAmerica Portland

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:32

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Final	PRB0414-01	Water	02/14/08 13:30	02/14/08 16:30

TestAmerica Portland

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:32

BTEX per EPA Method 8021B

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRB0414-01 (Final)		**Water**			**Sampled: 02/14/08 13:30**					
Benzene	EPA 8021B	ND	-----	0.500	ug/l	1x	8020497	02/15/08 13:01	02/19/08 02:43	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.00	"	"	"	"	"	
o-Xylene	"	ND	-----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 4-BFB (PID)			*90.1%*		*70 - 130%*	"			"	

TestAmerica Portland

Christina Woodcock, Project Manager

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ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:32

Oil and Grease Analysis per EPA Method 1664

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRB0414-01 (Final)		**Water**			**Sampled: 02/14/08 13:30**					
Oil & Grease	EPA 1664	ND	-----	4.81	mg/l	1x	8020745	02/25/08 10:30	02/25/08 10:52	

TestAmerica Portland

Christina Woodcock, Project Manager

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ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:32

Conventional Chemistry Parameters per APHA/EPA Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRB0414-01 (Final)		**Water**			**Sampled: 02/14/08 13:30**					
pH	150.1/9040A	**6.75**	-----		pH Units	1x	8020467	02/14/08 18:20	02/14/08 18:26	

TestAmerica Portland

Christina Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:32

BTEX per EPA Method 8021B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8020497 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8020497-BLK1)									Extracted: 02/15/08 13:01					
Benzene	EPA 8021B	ND	---	0.500	ug/l	1x	--	--	--	--	--	--	02/18/08 21:43	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 89.0%*		*Limits: 70-130%*		"							*02/18/08 21:43*	
LCS (8020497-BS1)									Extracted: 02/15/08 13:01					
Benzene	EPA 8021B	18.3	---	0.500	ug/l	1x	--	20.0	91.6%	(75-125)	--	--	02/18/08 18:58	
Toluene	"	18.6	---	0.500	"	"	--	"	92.9%	(80-120)	--	--	"	
Ethylbenzene	"	19.0	---	0.500	"	"	--	"	94.9%	(80-130)	--	--	"	
Xylenes (total)	"	56.9	---	1.00	"	"	--	60.0	94.8%	"	--	--	"	
o-Xylene	"	19.1	---	1.00	"	"	--	20.0	95.4%	"	--	--	"	
m,p-Xylene	"	37.8	---	1.00	"	"	--	40.0	94.5%	"	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 93.1%*		*Limits: 70-130%*		"							*02/18/08 18:58*	
Matrix Spike (8020497-MS1)							QC Source: PRB0396-03		Extracted: 02/15/08 13:01					
Benzene	EPA 8021B	18.8	---	0.500	ug/l	1x	0.104	20.0	93.5%	(65-144)	--	--	02/19/08 00:27	
Toluene	"	19.0	---	0.500	"	"	0.0690	"	94.8%	(70-135)	--	--	"	
Ethylbenzene	"	19.4	---	0.500	"	"	ND	"	96.8%	(65-145)	--	--	"	
Xylenes (total)	"	57.9	---	1.00	"	"	0.284	60.0	96.0%	(60-145)	--	--	"	
o-Xylene	"	19.4	---	1.00	"	"	ND	20.0	97.2%	"	--	--	"	
m,p-Xylene	"	38.5	---	1.00	"	"	ND	40.0	96.1%	"	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 90.6%*		*Limits: 70-130%*		"							*02/19/08 00:27*	
Matrix Spike Dup (8020497-MSD1)							QC Source: PRB0396-03		Extracted: 02/15/08 13:01					
Benzene	EPA 8021B	19.2	---	0.500	ug/l	1x	0.104	20.0	95.6%	(65-144)	2.21%	(20)	02/19/08 00:55	
Toluene	"	19.4	---	0.500	"	"	0.0690	"	96.5%	(70-135)	1.81%	"	"	
Ethylbenzene	"	19.7	---	0.500	"	"	ND	"	98.4%	(65-145)	1.66%	"	"	
Xylenes (total)	"	58.6	---	1.00	"	"	0.284	60.0	97.2%	(60-145)	1.24%	"	"	
o-Xylene	"	19.7	---	1.00	"	"	ND	20.0	98.3%	"	1.14%	"	"	
m,p-Xylene	"	39.0	---	1.00	"	"	ND	40.0	97.4%	"	1.29%	"	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 90.9%*		*Limits: 70-130%*		"							*02/19/08 00:55*	

TestAmerica Portland

Christina Woodcock, Project Manager

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ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:32

Oil and Grease Analysis per EPA Method 1664 - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8020745 **Water Preparation Method: O&G prep CE**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8020745-BLK1)								**Extracted: 02/25/08 08:00**						
Oil & Grease	EPA 1664	ND	---	5.00	mg/l	1x	--	--	--	--	--	--	02/25/08 10:52	
Blank (8020745-BLK2)								**Extracted: 02/25/08 08:00**						
Oil & Grease	EPA 1664	ND	---	5.00	mg/l	1x	--	--	--	--	--	--	02/25/08 10:52	
LCS (8020745-BS1)								**Extracted: 02/25/08 08:00**						
Oil & Grease	EPA 1664	38.0	---		mg/l	1x	--	40.0	95.0%	(78-114)	--	--	02/25/08 10:52	
Matrix Spike (8020745-MS1)				**QC Source: PRB0402-04**				**Extracted: 02/25/08 08:00**						
Oil & Grease	EPA 1664	37.5	---		mg/l	1x	ND	40.0	93.8%	(78-114)	--	--	02/25/08 10:52	
Matrix Spike (8020745-MS3)				**QC Source: PRB0402-04**				**Extracted: 02/25/08 08:00**						
Oil & Grease	EPA 1664	38.5	---		mg/l	1x	ND	40.0	96.2%	(78-114)	--	--	02/25/08 10:52	

TestAmerica Portland

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:32

Conventional Chemistry Parameters per APHA/EPA Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8020467 **Water Preparation Method: General Preparation**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (8020467-DUP1)					**QC Source: PRB0388-01**				**Extracted: 02/14/08 15:57**					
pH	150.1/9040A	7.44	---		pH Units	1x	7.33	--	--	--	1.49%	(25)	02/14/08 16:06	

TestAmerica Portland

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:32

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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HRB0414

TestAmerica Portland
9405 SW Nimbus Avenue

Beaverton, OR 97008
phone 503.906.9200 fax 503.906.9210

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Jessica Eckart	Site Contact: Norman	Date: 2-14-08	COC No:
SECOR International Inc.	Tel/Fax: (503) 691-2030	Lab Contact: Christina	Carrier:	1 of 2 COCs
7730 SW Mohawk St	Analysis Turnaround Time			Job No.
Tualatin, OR 97062	Calendar (C) or Work Days (W) _____			
(503) 691-2030 Phone	TAT if different from Below ___3 Days_____			
(503) 692-7074 FAX	☐ 2 weeks			SDG No.
Project Name: 0922 Portland Terminal (COP)	☐ 1 week			
Site:0922	☐ 2 days			
P O # Direct bill to SECOR Don't Invoice Cover	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	HEM Oil and Grease (EPA Method 1664)		BTEX (EPA Method 8021B)		pH (EPA Method 150.1/9040A)	Sample Specific Notes:
Final	2-14-8	1330	G	W	6		X		X		X	
												Totalizer Reading: 13,737,300

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☒

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments:

Please FAX copy of COC to Jessica Eck

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	SECOR	1530 2/14/08	[signature]	TAP	2/14/08 1530
[signature]	TAP	2-14-08 1630	[signature]	TAP	2/14/08 1630
					8.700

COP0016298

TestAmerica Sample Receipt Checklist

Cooler ID(s):

Received by: *(section A)
Date: 2/14/08
Time: 1630
Initials: [illegible]

Unpacked by: *(section B)
Date: 2/14/08
Initials: [illegible]

Logged-in by:
Date: 2/14/08
Initials: [illegible]

Work Order No. PRB[illegible]
Client: Secor
Project: [illegible]

Temperature out of range:
___ Not enough Ice
___ No Ice
___ Ice Melted
X W/in 4 Hours
___ Other: _____

***ESI Clients *(see Section C)*

Cooler Temperature (IR): 8.7 °C plastic glass NA *(oil/air samples, ESI client)*

Temperature Blank: — °C

A

Custody Seals: (#___)

Signature: Y N Dated: _____
X None

Container Type:
___ #Cooler(s)
1 #Box(s)
___ None (___ #Other: _____)

Coolant Type:
___ Gel Ice
X Loose Ice
___ None

Packing Material:
X Bubble Bags
___ Styrofoam Cubbies
___ None (___ Other: _____)

Received from:
X TA Courier
___ Senvoy
___ UPS
___ Fed Ex
___ Client
___ TDP
___ DHL
___ SDS
___ Mid-Valley
___ GS/TA
___ GS/Senvoy
___ Other: _____

B

Sample Status:
(If N circled, see NOD)

General:			
Intact?	Y	N	
# Containers Match COC?	Y	N	none given
IDs Match COC?	Y	N	
For Analyses Requested:			
Correct Type & Preservation?	Y	N	
Adequate Volume?	Y	N	
Within Hold Time?	Y	N	
Volatiles/ Oil Quality:			
VOAs/ Syringes free of Headspace?	Y	N	NA
TB on COC? not provided	Y	N	NA
Metals:			
HNO3 Preserved?	Y	N	NA
Dissolved Metals Filtered?	Y	N	NA

C

***ESI Clients Only:

Temperature Blank _____ °C not provided

All preserved bottles checked Y N NA *(voas/soils/all unp.)*
All preserved accordingly? Y N *(see NOD)* NA *(voas/soils/all unp.)*

FED EX/ UPS: Was the tracking paper keepable? YES NO

If circled NO, what is the Tracking number? _____

FED EX Goldstreak UPS DHL Other: _____

Project Managers:

Comments: _____

COP0016299

Generator's Nonhazardous Waste Profile Sheet

WASTE MANAGEMENT

Requested Disposal Facility _____ Profile Number

☐ Renewal for Profile Number _____ Waste Approval Expiration Date _____

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: Conoco Phillips
2. Site Address: 5528 NW Doane Ave.
3. City/ZIP: Portland 97210
4. State: OR
5. County: Multnomah
6. Contact Name/Title: Mike Noll
7. Email Address: Michael.D.Noll@contractor.conocophillips.com
8. Phone: (360) 794-9523
9. FAX: (360) 794-6578
10. NAICS Code: _____
11. Generator USEPA ID #: _____
12. State ID# (if applicable): _____

B. Customer Information ☐ **same as above** P. O. Number: _____

1. Customer Name: Stratus Corp.
2. Billing Address: 39515 SW Hartley Rd
3. City, State and ZIP: Gaston, OR 97119
4. Contact Name: Scott Flaherty
5. Contact Email: S.Flaherty@stratuscorp.net
6. Phone: (503) 985-7912 FAX: (503) 985-1953
7. Transporter Name: Stratus Corp.
8. Transporter ID # (if appl.): _____
9. Transporter Address: 39515 SW Hartley Rd
10. City, State and ZIP: Gaston, OR 97119

C. Waste Stream Information

1. DESCRIPTION
   a. Common Waste Name: Spent Booms/Absorbent Pads, PPE, Plastic sheeting State Waste Code(s): _____
   b. Describe Process Generating Waste or Source of Contamination:
   Operating Bulk Fueling Facility, spent booms, absorbent Pads, PPE, Plastic sheeting
   c. Typical Color(s): white
   d. Strong Odor? ☐ Yes ☒ No Describe: _____
   e. Physical State at 70°F: ☒ Solid ☐ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other: _____
   f. Layers? ☒ Single layer ☐ Multi- layer ☐ NA
   g. Water Reactive? ☐ Yes ☒ No If Yes, Describe: _____
   h. Free Liquid Range (%): _____ to _____ ☒ NA(solid)
   i. pH Range: ☐ ≤2 ☐ 2.1-12.4 ☐ ≥12.5 ☒ NA(solid) ☐ Actual: _____
   j. Liquid Flash Point: ☐ < 140°F ☐ ≥ 140°F ☒ NA(solid) ☐ Actual: _____
   k. Flammable Solid: ☐ Yes ☒ No
   l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☒ (See Attached)

Constituents *(Total Composition Must be ≥ 100%)*	Concentration %	Constituents *(Total Composition Must be ≥ 100%)*	Concentration %
1. SEE Attached Analytical		4.	
2.		5.	
3.		6.	

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION
   a. ☒ Event ☐ Base/Ongoing (Check One)
   b. Estimated Annual Quantity: 8,6 ☐ Tons ☐ Cubic Yards ☒ Drums ☐ Gallons ☒ Other (specify): Wranglers
   c. Shipping Frequency: _____ Units per ☐ Month ☐ Quarter ☐ Year ☒ One Time ☐ Other
   d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☒ No
   e. USDOT Shipping Description (if applicable): N/A
3. SAFETY REQUIREMENTS (Handling, PPE, etc.): Level D

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Generator's Nonhazardous Waste Profile Sheet

WASTE MANAGEMENT

D. Regulatory Status (Please check appropriate responses)

1. Is this a USEPA (40 CFR Part 261)/State hazardous waste? If yes, contact your sales representative. ☐ Yes ☒ No
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☒ No
   - ☐ Delisted Hazardous Waste
   - ☐ Excluded Wastes Under 40 CFR 261.4
   - ☐ Treated Hazardous Waste Debris
   - ☐ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. WWMCSR-NUR-9406 ☐ Yes ☒ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☒ No
   a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☐ No
   b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☐ No
5. Does the waste represented by this waste profile sheet contain concentrations of regulated Polychlorinated Biphenyls (PCBs)? ☐ Yes ☒ No
   a. If yes, is disposal regulated under TSCA? ☐ Yes ☐ No
6. Does the waste contain untreated, regulated, medical or infectious waste? ☐ Yes ☒ No
7. Does the waste contain asbestos? ☐ Yes ☒ No If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☒ No
   If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☐ No

E. Generator Certification (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the Contractor if applicable).
5. Check all that apply:
   - ☒ Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: SBoom 021508-1, SBoom 021508-2 # Pages: _____
   - ☐ Only the analyses identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
   - ☐ Additional information necessary to characterize the profiled waste has been attached (other than analytical). Indicate the number of attached pages: _____
   - ☐ I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.
   - ☐ By Generator process knowledge, the following waste is not a listed waste and is below all TCLP regulatory limits.

Certification Signature: [signature] for ConocoPhillips **Title:** Senior Pon

Company Name: Stantec Inc **Name (Print):** Alice Larsen

Date: 3/19/08

FOR WM USE ONLY

Management Method: ☐ Landfill ☐ Bioremediation **Approval Decision:** ☐ Approved ☐ Not Approved

☐ Non-hazardous solidification ☐ Other: _____ Waste Approval Expiration Date: _____

Management Facility Precautions, Special Handling Procedures or Limitation on approval:

- ☐ Shall not contain free liquid
- ☐ Shipment must be scheduled into disposal facility
- ☐ Approval Number must accompany each shipment
- ☐ Waste Manifest must accompany load

WM Authorization Name / Title: _____ **Date:** _____

State Authorization (if Required): _____ **Date:** _____

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ph: (503) 906.9200 fax: (503) 906.9210

February 26, 2008

Jessica Eckart
Secor
7730 SW Mohawk Street
Tualatin, OR 97062

RE: Conoco Phillips

Enclosed are the results of analyses for samples received by the laboratory on 02/19/08 10:40.
The following list is a summary of the Work Orders contained in this report, generated on 02/26/08 17:29.

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

Work Order	Project	ProjectNumber
PRB0489	Conoco Phillips	0922 Portland Terminal (COP)

Spent booms

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Tank4255S1	PRB0489-01	Soil	02/15/08 12:00	02/19/08 10:40
Tank4255S2	PRB0489-02	Soil	02/15/08 12:05	02/19/08 10:40
SBoom021508-1	PRB0489-03	Other dry	02/15/08 13:00	02/19/08 10:40
SBoom021508-2	PRB0489-04	Other dry	02/15/08 13:05	02/19/08 10:40

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Christina Woodcock

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

Gasoline Hydrocarbons per NW TPH-Gx Method

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRB0489-01 (Tank4255S1)		**Soil**			**Sampled: 02/15/08 12:00**					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	-----	4.79	mg/kg dry	1x	8020565	02/19/08 16:37	02/20/08 13:22	
Surrogate(s): a,a,a-TFT			*76.8%*		*50 - 150 %*	"			"	
PRB0489-02 (Tank4255S2)		**Soil**			**Sampled: 02/15/08 12:05**					
Gasoline Range Hydrocarbons	NW TPH-Gx	**9.52**	-----	4.42	mg/kg dry	1x	8020565	02/19/08 16:37	02/20/08 12:54	
Surrogate(s): a,a,a-TFT			*82.7%*		*50 - 150 %*	"			"	
PRB0489-03 (SBoom021508-1)		**Other dry**			**Sampled: 02/15/08 13:00**					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	-----	61.5	mg/kg dry	1x	8020565	02/19/08 16:37	02/20/08 01:01	
Surrogate(s): a,a,a-TFT			*88.0%*		*50 - 150 %*	"			"	
PRB0489-04 (SBoom021508-2)		**Other dry**			**Sampled: 02/15/08 13:05**					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	-----	43.8	mg/kg dry	1x	8020565	02/19/08 16:37	02/20/08 01:29	
Surrogate(s): a,a,a-TFT			*92.2%*		*50 - 150 %*	"			"	

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Christina Woodcock, Project Manager

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906-9200 fax: (503) 906-9210

Secor	Project Name:	Conoco Phillips	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRB0489-01 (Tank4255S1)			**Soil**		**Sampled: 02/15/08 12:00**					
Diesel Range Organics	NWTPH-Dx	ND	-----	15.2	mg/kg dry	1x	8020589	02/19/08 18:10	02/20/08 05:13	
Heavy Oil Range Hydrocarbons	"	**59.8**	-----	30.4	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*84.1%*		*50 - 150 %*	"			"	
PRB0489-02 (Tank4255S2)			**Soil**		**Sampled: 02/15/08 12:05**					
Diesel Range Organics	NWTPH-Dx	**37.5**	-----	14.6	mg/kg dry	1x	8020589	02/19/08 18:10	02/20/08 05:30	Q11
Heavy Oil Range Hydrocarbons	"	**65.5**	-----	29.2	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*70.6%*		*50 - 150 %*	"			"	
PRB0489-03 (SBoom021508-1)			**Other dry**		**Sampled: 02/15/08 13:00**					
Diesel Range Organics	NWTPH-Dx	**667**	-----	35.6	mg/kg dry	1x	8020589	02/19/08 18:10	02/20/08 05:50	Q10
Heavy Oil Range Hydrocarbons	"	**1410**	-----	71.1	"	"	"	"	"	Q10
Surrogate(s): 1-Chlorooctadecane			*38.1%*		*50 - 150 %*	"			"	*ZX*
PRB0489-04 (SBoom021508-2)			**Other dry**		**Sampled: 02/15/08 13:05**					
Diesel Range Organics	NWTPH-Dx	**880**	-----	40.4	mg/kg dry	1x	8020589	02/19/08 18:10	02/20/08 06:08	Q10
Heavy Oil Range Hydrocarbons	"	**1460**	-----	80.9	"	"	"	"	"	Q10
Surrogate(s): 1-Chlorooctadecane			*59.6%*		*50 - 150 %*	"			"	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

Total Metals per EPA 6000/7000 Series Methods

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRB0489-01 (Tank4255S1)		Soil			Sampled: 02/15/08 12:00					
Arsenic	EPA 6020	6.11	-----	0.614	mg/kg dry	1x	8020640	02/20/08 16:41	02/22/08 02:05	
Barium	"	154	-----	0.614	"	"	"	"	"	
Cadmium	"	1.12	-----	0.614	"	"	"	"	02/22/08 17:45	
Chromium	"	20.5	-----	0.614	"	"	"	"	02/22/08 02:05	
Lead	"	49.4	-----	0.614	"	"	"	"	"	
Selenium	"	ND	-----	0.614	"	"	"	"	"	
Silver	"	ND	-----	0.614	"	"	"	"	"	
PRB0489-02 (Tank4255S2)		Soil			Sampled: 02/15/08 12:05					
Arsenic	EPA 6020	4.87	-----	0.591	mg/kg dry	1x	8020640	02/20/08 16:41	02/22/08 02:12	
Barium	"	129	-----	0.591	"	"	"	"	"	
Cadmium	"	ND	-----	0.591	"	"	"	"	02/22/08 17:53	
Chromium	"	18.2	-----	0.591	"	"	"	"	02/22/08 02:12	
Lead	"	18.3	-----	0.591	"	"	"	"	"	
Selenium	"	ND	-----	0.591	"	"	"	"	"	
Silver	"	ND	-----	0.591	"	"	"	"	"	

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Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

TCLP Metals per EPA 1311/6000/7000 Series Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRB0489-01 (Tank4255S1)		**Soil**			**Sampled: 02/15/08 12:00**					
Lead	1311/6020	ND	-----	0.0500	mg/l	1x	8020646	02/20/08 18:24	02/21/08 04:50	
PRB0489-02 (Tank4255S2)		**Soil**			**Sampled: 02/15/08 12:05**					
Lead	1311/6020	ND	-----	0.0500	mg/l	1x	8020646	02/20/08 18:24	02/21/08 05:04	

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Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

Total Mercury per EPA Method 7471A

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRB0489-01 (Tank4255S1)		**Soil**			**Sampled: 02/15/08 12:00**					
Mercury	EPA 7471A	ND	-----	0.117	mg/kg dry	1x	8020618	02/20/08 10:43	02/21/08 15:17	
PRB0489-02 (Tank4255S2)		**Soil**			**Sampled: 02/15/08 12:05**					
Mercury	EPA 7471A	ND	-----	0.115	mg/kg dry	1x	8020618	02/20/08 10:43	02/21/08 15:19	

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Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRB0489-01 (Tank4255S1)		**Soil**			**Sampled: 02/15/08 12:00**					
Benzene	EPA 8260B	ND	-----	24.0	ug/kg dry	1x	8020617	02/20/08 10:37	02/20/08 15:29	
Toluene	"	ND	-----	59.9	"	"	"	"	"	
Ethylbenzene	"	ND	-----	59.9	"	"	"	"	"	
Xylenes (total)	"	ND	-----	120	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	47.9	"	"	"	"	"	
Surrogate(s): *4-BFB*			*99.9%*		*75 - 125 %*	*0.01x*			"	
1,2-DCA-d4			*96.4%*		*75 - 125 %*	"			"	
Dibromofluoromethane			*93.8%*		*75 - 125 %*	"			"	
Toluene-d8			*97.8%*		*75 - 125 %*	"			"	
PRB0489-02 (Tank4255S2)		**Soil**			**Sampled: 02/15/08 12:05**					
Benzene	EPA 8260B	ND	-----	22.1	ug/kg dry	1x	8020617	02/20/08 10:37	02/20/08 15:57	
Toluene	"	ND	-----	55.3	"	"	"	"	"	
Ethylbenzene	"	ND	-----	55.3	"	"	"	"	"	
Xylenes (total)	"	ND	-----	111	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	44.2	"	"	"	"	"	
Surrogate(s): *4-BFB*			*98.2%*		*75 - 125 %*	*0.01x*			"	
1,2-DCA-d4			*96.8%*		*75 - 125 %*	"			"	
Dibromofluoromethane			*92.6%*		*75 - 125 %*	"			"	
Toluene-d8			*98.3%*		*75 - 125 %*	"			"	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

Polynuclear Aromatic Compounds per EPA 8270M-SIM

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRB0489-01 (Tank4255S1)		**Soil**			**Sampled: 02/15/08 12:00**					
Acenaphthene	EPA 8270m	ND	-----	16.6	ug/kg dry	1x	8020583	02/19/08 10:05	02/21/08 00:18	
Acenaphthylene	"	ND	-----	16.6	"	"	"	"	"	
Anthracene	"	ND	-----	16.6	"	"	"	"	"	
Benzo (a) anthracene	"	**46.9**	-----	16.6	"	"	"	"	"	
Benzo (a) pyrene	"	**56.2**	-----	16.6	"	"	"	"	"	
Benzo (b) fluoranthene	"	**38.1**	-----	16.6	"	"	"	"	"	
Benzo (ghi) perylene	"	**46.3**	-----	16.6	"	"	"	"	"	
Benzo (k) fluoranthene	"	**41.3**	-----	16.6	"	"	"	"	"	
Chrysene	"	**58.1**	-----	16.6	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	-----	16.6	"	"	"	"	"	
Fluoranthene	"	**65.5**	-----	16.6	"	"	"	"	"	
Fluorene	"	ND	-----	16.6	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	**34.4**	-----	16.6	"	"	"	"	"	
Naphthalene	"	ND	-----	16.6	"	"	"	"	"	
Phenanthrene	"	**44.5**	-----	16.6	"	"	"	"	"	
Pyrene	"	**80.9**	-----	16.6	"	"	"	"	"	
Surrogate(s): *Fluorene-d10*		*70.0%*		*24 - 125 %*	"				"	
Pyrene-d10		*64.6%*		*41 - 141 %*	"				"	
Benzo (a) pyrene-d12		*73.5%*		*38 - 143 %*	"				"	
PRB0489-02 (Tank4255S2)		**Soil**			**Sampled: 02/15/08 12:05**					
Acenaphthene	EPA 8270m	ND	-----	15.5	ug/kg dry	1x	8020583	02/19/08 10:05	02/21/08 00:49	
Acenaphthylene	"	ND	-----	15.5	"	"	"	"	"	
Anthracene	"	ND	-----	15.5	"	"	"	"	"	
Benzo (a) anthracene	"	**35.6**	-----	15.5	"	"	"	"	"	
Benzo (a) pyrene	"	**40.1**	-----	15.5	"	"	"	"	"	
Benzo (b) fluoranthene	"	**39.1**	-----	15.5	"	"	"	"	"	
Benzo (ghi) perylene	"	**34.5**	-----	15.5	"	"	"	"	"	
Benzo (k) fluoranthene	"	**35.9**	-----	15.5	"	"	"	"	"	
Chrysene	"	**46.7**	-----	15.5	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	-----	15.5	"	"	"	"	"	
Fluoranthene	"	**56.3**	-----	15.5	"	"	"	"	"	
Fluorene	"	ND	-----	15.5	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	**28.2**	-----	15.5	"	"	"	"	"	
Naphthalene	"	ND	-----	15.5	"	"	"	"	"	
Phenanthrene	"	**28.3**	-----	15.5	"	"	"	"	"	
Pyrene	"	**50.9**	-----	15.5	"	"	"	"	"	
Surrogate(s): *Fluorene-d10*		*84.1%*		*24 - 125 %*	"				"	
Pyrene-d10		*80.5%*		*41 - 141 %*	"				"	
Benzo (a) pyrene-d12		*88.8%*		*38 - 143 %*	"				"	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

Polynuclear Aromatic Compounds per EPA 8270M-SIM

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

TCLP Volatile Organic Compounds per EPA Method 1311/8260B

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRB0489-03 (SBoom021508-1)			**Other dry**		**Sampled: 02/15/08 13:00**					
Benzene	1311/8260B	ND	-----	0.0200	mg/l	1x	8020681	02/21/08 12:22	02/21/08 16:53	
Ethylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
Toluene	"	ND	-----	0.0200	"	"	"	"	"	
o-Xylene	"	ND	-----	0.0200	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.0200	"	"	"	"	"	
Surrogate(s): *4-BFB*			*98.1%*		*75 - 130 %*	*0.1x*			"	
Dibromofluoromethane			*97.5%*		*75 - 130 %*	"			"	
Toluene-d8			*101%*		*75 - 130 %*	"			"	
1,2-DCA-d4			*102%*		*79 - 123 %*	"			"	
PRB0489-04 (SBoom021508-2)			**Other dry**		**Sampled: 02/15/08 13:05**					
Benzene	1311/8260B	ND	-----	0.0200	mg/l	1x	8020681	02/21/08 12:22	02/21/08 17:20	
Ethylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
Toluene	"	ND	-----	0.0200	"	"	"	"	"	
o-Xylene	"	ND	-----	0.0200	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.0200	"	"	"	"	"	
Surrogate(s): *4-BFB*			*99.4%*		*75 - 130 %*	*0.1x*			"	
Dibromofluoromethane			*98.2%*		*75 - 130 %*	"			"	
Toluene-d8			*101%*		*75 - 130 %*	"			"	
1,2-DCA-d4			*103%*		*79 - 123 %*	"			"	

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Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

TCLP Extraction Only

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRB0489-01 (Tank4255S1)		**Soil**			**Sampled: 02/15/08 12:00**					
Extraction	EPA 1311	ND	-----	1.00	N/A	1x	8020596	02/19/08 22:34	02/20/08 18:17	
PRB0489-02 (Tank4255S2)		**Soil**			**Sampled: 02/15/08 12:05**					
Extraction	EPA 1311	ND	-----	1.00	N/A	1x	8020596	02/19/08 22:34	02/20/08 18:17	

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Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

Percent Dry Weight (Solids) per Standard Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRB0489-01 (Tank4255S1)		**Soil**			**Sampled: 02/15/08 12:00**					
% Solids	NCA SOP	80.6	-----	0.0100	% by Weight	1x	8020630	02/20/08 13:39	02/20/08 13:39	
PRB0489-02 (Tank4255S2)		**Soil**			**Sampled: 02/15/08 12:05**					
% Solids	NCA SOP	86.4	-----	0.0100	% by Weight	1x	8020630	02/20/08 13:39	02/20/08 13:39	
PRB0489-03 (SBoom021508-1)		**Other dry**			**Sampled: 02/15/08 13:00**					
% Solids	NCA SOP	61.9	-----	0.0100	% by Weight	1x	8020630	02/20/08 13:39	02/20/08 13:39	
PRB0489-04 (SBoom021508-2)		**Other dry**			**Sampled: 02/15/08 13:05**					
% Solids	NCA SOP	90.5	-----	0.0100	% by Weight	1x	8020630	02/20/08 13:39	02/20/08 13:39	

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Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

Gasoline Hydrocarbons per NW TPH-Gx Method - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8020565 **Soil Preparation Method: EPA 5035 Modified**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8020565-BLK1)								Extracted: 02/19/08 10:37						
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	---	1.95	mg/kg wet	1x	--	--	--	--	--	--	02/19/08 18:12	
Surrogate(s): a,a,a-TFT		*Recovery: 92.9%*			*Limits: 50-150%*	"							*02/19/08 18:12*	
LCS (8020565-BS2)								Extracted: 02/19/08 10:37						
Gasoline Range Hydrocarbons	NW TPH-Gx	11.1	---	1.95	mg/kg wet	1x	--	12.2	91.1%	(70-130)	--	--	02/19/08 13:37	
Surrogate(s): a,a,a-TFT		*Recovery: 97.0%*			*Limits: 50-150%*	"							*02/19/08 13:37*	
LCS Dup (8020565-BSD2)								Extracted: 02/19/08 10:37						
Gasoline Range Hydrocarbons	NW TPH-Gx	11.6	---	1.99	mg/kg wet	1x	--	12.4	93.8%	(70-130)	4.83%	(40)	02/19/08 14:04	
Surrogate(s): a,a,a-TFT		*Recovery: 98.8%*			*Limits: 50-150%*	"							*02/19/08 14:04*	
Duplicate (8020565-DUP1)					QC Source: PRB0370-08			Extracted: 02/19/08 10:37						
Gasoline Range Hydrocarbons	NW TPH-Gx	7720	---	563	mg/kg dry	200x	7120	--	--	--	8.10%	(40)	02/20/08 10:37	
Surrogate(s): a,a,a-TFT		*Recovery: 73.4%*			*Limits: 50-150%*	"							*02/20/08 10:37*	Z3

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BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8020589 **Soil Preparation Method: EPA 3550 Fuels**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8020589-BLK1)								Extracted: 02/19/08 18:10						
Diesel Range Organics	NWTPH-Dx	ND	---	12.5	mg/kg wet	1x	--	--	--	--	--	--	02/20/08 03:55	
Heavy Oil Range Hydrocarbons	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 87.4%*			*Limits: 50-150%*	"							*02/20/08 03:55*	
LCS (8020589-BS1)								Extracted: 02/19/08 18:10						
Diesel Range Organics	NWTPH-Dx	125	---	12.5	mg/kg wet	1x	--	125	99.9%	(50-150)	--	--	02/20/08 04:14	
Heavy Oil Range Hydrocarbons	"	75.5	---	25.0	"	"	--	75.2	100%	"	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 68.8%*			*Limits: 50-150%*	"							*02/20/08 04:14*	
Duplicate (8020589-DUP1)					QC Source: PRB0489-01			Extracted: 02/19/08 18:10						
Diesel Range Organics	NWTPH-Dx	ND	---	15.3	mg/kg dry	1x	ND	--	--	--	24.4%	(40)	02/20/08 04:34	
Heavy Oil Range Hydrocarbons	"	ND	---	30.5	"	"	59.8	--	--	--	102%	"	"	R3
Surrogate(s): 1-Chlorooctadecane		*Recovery: 76.7%*			*Limits: 50-150%*	"							*02/20/08 04:34*	
Duplicate (8020589-DUP2)					QC Source: PRB0506-01			Extracted: 02/19/08 18:10						
Diesel Range Organics	NWTPH-Dx	ND	---	16.4	mg/kg dry	1x		--	--	--		(40)	02/20/08 04:53	R4
Heavy Oil Range Hydrocarbons	"	ND	---	32.8	"	"		--	--	--		"	"	R4
Surrogate(s): 1-Chlorooctadecane		*Recovery: 87.0%*			*Limits: 50-150%*	"							*02/20/08 04:53*	

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8020640 **Soil Preparation Method: EPA 3050**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8020640-BLK1)								Extracted: 02/20/08 16:41						
Arsenic	EPA 6020	ND	---	0.495	mg/kg wet	1x	--	--	--	--	--	--	02/21/08 22:43	
Barium	"	ND	---	0.495	"	"	--	--	--	--	--	--	"	
Cadmium	"	ND	---	0.495	"	"	--	--	--	--	--	--	"	
Chromium	"	ND	---	0.495	"	"	--	--	--	--	--	--	"	
Lead	"	ND	---	0.495	"	"	--	--	--	--	--	--	"	
Selenium	"	ND	---	0.495	"	"	--	--	--	--	--	--	"	
Silver	"	ND	---	0.495	"	"	--	--	--	--	--	--	"	
LCS (8020640-BS1)								Extracted: 02/20/08 16:41						
Arsenic	EPA 6020	10.2	---	0.505	mg/kg wet	1x	--	10.1	101%	(80-120)	--	--	02/21/08 22:51	
Barium	"	10.8	---	0.505	"	"	--	"	107%	"	--	--	"	
Cadmium	"	9.50	---	0.505	"	"	--	"	94.0%	"	--	--	"	
Chromium	"	10.7	---	0.505	"	"	--	"	106%	"	--	--	"	
Lead	"	10.4	---	0.505	"	"	--	"	103%	"	--	--	"	
Selenium	"	9.70	---	0.505	"	"	--	"	96.0%	"	--	--	"	
Silver	"	4.84	---	0.505	"	"	--	5.05	95.9%	"	--	--	"	
Duplicate (8020640-DUP1)				QC Source: PRB0448-01				Extracted: 02/20/08 16:41						
Arsenic	EPA 6020	0.666	---	0.511	mg/kg dry	1x	0.742	--	--	--	10.7%	(40)	02/21/08 23:05	
Barium	"	28.8	---	0.511	"	"	34.2	--	--	--	17.0%	"	"	
Cadmium	"	ND	---	0.511	"	"	ND	--	--	--	NR	"	"	
Chromium	"	1.70	---	0.511	"	"	2.08	--	--	--	20.2%	"	"	
Lead	"	0.785	---	0.511	"	"	0.927	--	--	--	16.6%	"	"	
Selenium	"	ND	---	0.511	"	"	ND	--	--	--	NR	"	"	
Silver	"	ND	---	0.511	"	"	ND	--	--	--	NR	"	"	
Matrix Spike (8020640-MS1)				QC Source: PRB0448-02				Extracted: 02/20/08 16:41						
Arsenic	EPA 6020	11.7	---	0.535	mg/kg dry	1x	0.636	10.7	104%	(75-125)	--	--	02/21/08 23:27	
Barium	"	942	---	2.67	"	5x	890	"	488%	"	--	--	02/21/08 23:20	MHA
Cadmium	"	9.63	---	0.535	"	1x	ND	"	90.0%	"	--	--	02/21/08 23:27	
Chromium	"	11.9	---	0.535	"	"	1.14	"	101%	"	--	--	"	
Lead	"	10.8	---	0.535	"	"	0.759	"	93.6%	"	--	--	"	
Selenium	"	11.1	---	0.535	"	"	ND	"	104%	"	--	--	"	
Silver	"	4.78	---	0.535	"	"	ND	5.35	89.5%	"	--	--	"	

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8020640 **Soil Preparation Method: EPA 3050**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (8020640-MS2)				QC Source: PRB0448-03				Extracted: 02/20/08 16:41						
Arsenic	EPA 6020	12.1	---	0.541	mg/kg dry	1x	1.12	10.8	101%	(75-125)	--	--	02/21/08 23:42	
Barium	"	44.3	---	0.541	"	"	34.8	"	87.9%	"	--	--	"	
Cadmium	"	9.58	---	0.541	"	"	ND	"	88.5%	"	--	--	"	
Chromium	"	12.4	---	0.541	"	"	1.54	"	101%	"	--	--	"	
Lead	"	10.9	---	0.541	"	"	0.982	"	91.4%	"	--	--	"	
Selenium	"	11.2	---	0.541	"	"	ND	"	104%	"	--	--	"	
Silver	"	4.73	---	0.541	"	"	ND	5.41	87.5%	"	--	--	"	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

TCLP Metals per EPA 1311/6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8020646 **Soil Preparation Method: EPA 1311/3005**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8020646-BLK1)								Extracted: 02/20/08 18:24						
Lead	1311/6020	ND	---	0.0500	mg/l	1x	--	--	--	--	--	--	02/21/08 04:35	
LCS (8020646-BS1)								Extracted: 02/20/08 18:24						
Lead	1311/6020	0.173	---	0.0500	mg/l	1x	--	0.200	86.3%	(75-125)	--	--	02/21/08 04:42	
Duplicate (8020646-DUP1)				QC Source: PRB0489-01				Extracted: 02/20/08 18:24						
Lead	1311/6020	ND	---	0.0500	mg/l	1x	ND	--	--	--	6.45%	(20)	02/21/08 04:57	
Matrix Spike (8020646-MS1)				QC Source: PRB0489-02				Extracted: 02/20/08 18:24						
Lead	1311/6020	0.178	---	0.0500	mg/l	1x	0.00162	0.200	88.3%	(50-150)	--	--	02/21/08 05:19	

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

Total Mercury per EPA Method 7471A - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8020618 **Soil Preparation Method: EPA 7471A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8020618-BLK1)								Extracted: 02/20/08 10:43						
Mercury	EPA 7471A	ND	---	0.100	mg/kg wet	1x	--	--	--	--	--	--	02/21/08 14:36	
LCS (8020618-BS1)								Extracted: 02/20/08 10:43						
Mercury	EPA 7471A	1.08	---	0.100	mg/kg wet	1x	--	1.00	108%	(80-120)	--	--	02/21/08 14:39	
LCS Dup (8020618-BSD1)								Extracted: 02/20/08 10:43						
Mercury	EPA 7471A	1.06	---	0.100	mg/kg wet	1x	--	1.00	106%	(80-120)	2.60%	(20)	02/21/08 14:43	
Duplicate (8020618-DUP1)				QC Source: PRB0489-02				Extracted: 02/20/08 10:43						
Mercury	EPA 7471A	ND	---	0.105	mg/kg dry	1x	ND	--	--	--	NR	(40)	02/21/08 14:47	
Matrix Spike (8020618-MS1)				QC Source: PRB0489-02				Extracted: 02/20/08 10:43						
Mercury	EPA 7471A	0.862	---	0.104	mg/kg dry	1x	ND	1.04	82.5%	(75-125)	--	--	02/21/08 14:50	
Matrix Spike Dup (8020618-MSD1)				QC Source: PRB0489-02				Extracted: 02/20/08 10:43						
Mercury	EPA 7471A	0.544	---	0.108	mg/kg dry	1x	ND	1.08	50.5%	(75-125)	45.3%	(40)	02/21/08 14:53	M2

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8020617 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL A	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8020617-BLK1)								Extracted: 02/20/08 10:37						
1,2-Dibromoethane	EPA 8260B	ND	---	49.9	ug/kg wet	1x	--	--	--	--	--	--	02/20/08 13:06	
1,2-Dichloroethane	"	ND	---	49.9	"	"	--	--	--	--	--	--	"	
Benzene	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	49.9	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	49.9	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	39.9	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	200	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	49.9	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	200	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	49.9	"	"	--	--	--	--	--	--	"	
Surrogate(s):	*4-BFB*	*Recovery:*	*101%*		*Limits:*	*75-125%*	*0.01x*						*02/20/08 13:06*	
	1,2-DCA-d4		*102%*			*75-125%*	"						"	
	Dibromofluoromethane		*99.9%*			*75-125%*	"						"	
	Toluene-d8		*103%*			*75-125%*	"						"	
LCS (8020617-BS1)								Extracted: 02/20/08 10:37						
Benzene	EPA 8260B	1910	---	19.8	ug/kg wet	1x	--	1980	96.1%	(81.8-125)	--	--	02/20/08 11:15	
Toluene	"	1940	---	49.6	"	"	--	"	97.8%	(80-125)	--	--	"	
Ethylbenzene	"	1940	---	49.6	"	"	--	"	97.6%	(80-120)	--	--	"	
Xylenes (total)	"	5880	---	99.2	"	"	--	5950	98.9%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	1890	---	39.7	"	"	--	1980	95.4%	(80-128)	--	--	"	
Naphthalene	"	2150	---	198	"	"	--	"	108%	(76.1-153)	--	--	"	
Surrogate(s):	*4-BFB*	*Recovery:*	*100%*		*Limits:*	*75-125%*	*0.01x*						*02/20/08 11:15*	
	1,2-DCA-d4		*101%*			*75-125%*	"						"	
	Dibromofluoromethane		*99.7%*			*75-125%*	"						"	
	Toluene-d8		*101%*			*75-125%*	"						"	
Matrix Spike (8020617-MS1)					QC Source: PRB0453-02			Extracted: 02/20/08 10:37						
Benzene	EPA 8260B	1890	---	20.0	ug/kg wet	1x	ND	2000	94.6%	(68.5-125)	--	--	02/20/08 11:43	
Toluene	"	1940	---	50.0	"	"	ND	"	97.2%	(70.3-125)	--	--	"	
Ethylbenzene	"	1900	---	50.0	"	"	ND	"	95.1%	(80-124)	--	--	"	
Xylenes (total)	"	5760	---	100	"	"	ND	6000	96.0%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	1910	---	40.0	"	"	ND	2000	95.4%	(80-130)	--	--	"	
Naphthalene	"	2000	---	200	"	"	ND	"	100%	(69-163)	--	--	"	
Surrogate(s):	*4-BFB*	*Recovery:*	*101%*		*Limits:*	*75-125%*	*0.01x*						*02/20/08 11:43*	
	1,2-DCA-d4		*102%*			*75-125%*	"						"	
	Dibromofluoromethane		*101%*			*75-125%*	"						"	
	Toluene-d8		*102%*			*75-125%*	"						"	

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7730 SW Mohawk Street	Project Number	0922 Portland Terminal (COP)	Report Created
Tualatin, OR 97062	Project Manager	Jessica Eckart	02/26/08 17:29

Selected Volatile Organic Compounds (Including BTEX) per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8020617 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (8020617-MSD1)					QC Source: PRB0453-02				Extracted: 02/20/08 10:37					
Benzene	EPA 8260B	1900	---	20.0	ug/kg wet	1x	ND	2000	94.8%	(68.5-125)	0.211%	(25)	02/20/08 12:11	
Toluene	"	1950	---	50.0	"	"	ND	"	97.6%	(70.3-125)	0.513%	"	"	
Ethylbenzene	"	1960	---	50.0	"	"	ND	"	97.8%	(80-124)	2.80%	"	"	
Xylenes (total)	"	5900	---	100	"	"	ND	6000	98.3%	(70-130)	2.28%	"	"	
Methyl tert-butyl ether	"	1870	---	40.0	"	"	ND	2000	93.7%	(80-130)	1.75%	"	"	
Naphthalene	"	1950	---	200	"	"	ND	"	97.4%	(69-163)	2.79%	"	"	
Surrogate(s):	*4-BFB*	*Recovery:*	*102%*		*Limits:*	*75-125%*	*0.01x*						*02/20/08 12:11*	
	1,2-DCA-d4		*102%*			*75-125%*	"						"	
	Dibromofluoromethane		*101%*			*75-125%*	"						"	
	Toluene-d8		*102%*			*75-125%*	"						"	

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Christina M. Woodcock

Christina Woodcock, Project Manager

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7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

Polynuclear Aromatic Compounds per EPA 8270M-SIM - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8020583 **Soil Preparation Method: EPA 3550**

Analyte	Method	Result	MDL^	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8020583-BLK1)								Extracted: 02/19/08 16:05						
Acenaphthene	EPA 8270m	ND	---	13.4	ug/kg wet	1x	--	--	--	--	--	--	02/20/08 18:51	
Acenaphthylene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Dibenzo (a,h) anthracene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery:*	*80.4%*		*Limits:*	*24-125%*	"						*02/20/08 18:51*	
Pyrene-d10			*80.0%*			*41-141%*	"						"	
Benzo (a) pyrene-d12			*84.4%*			*38-143%*	"						"	
LCS (8020583-BS1)								Extracted: 02/19/08 16:05						
Acenaphthene	EPA 8270m	133	---	13.4	ug/kg wet	1x	--	166	80.0%	(33-139)	--	--	02/20/08 19:20	
Benzo (a) pyrene	"	144	---	13.4	"	"	--	"	86.8%	(45-149)	--	--	"	
Pyrene	"	133	---	13.4	"	"	--	"	79.9%	(39-138)	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery:*	*85.0%*		*Limits:*	*24-125%*	"						*02/20/08 19:20*	
Pyrene-d10			*81.4%*			*41-141%*	"						"	
Benzo (a) pyrene-d12			*89.4%*			*38-143%*	"						"	
Matrix Spike (8020583-MS1)				QC Source: PRB0367-01				Extracted: 02/19/08 16:05						RL3
Acenaphthene	EPA 8270m	183	---	389	ug/kg dry	25x	ND	194	94.4%	(33-139)	--	--	02/21/08 01:18	
Benzo (a) pyrene	"	168	---	389	"	"	ND	"	86.8%	(45-149)	--	--	"	
Pyrene	"	210	---	389	"	"	ND	"	108%	(39-138)	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery:*	*82.5%*		*Limits:*	*24-125%*	"						*02/21/08 01:18*	*Z3*
Pyrene-d10			*82.5%*			*41-141%*	"						"	*Z3*
Benzo (a) pyrene-d12			*80.2%*			*38-143%*	"						"	*Z3*

TestAmerica Portland

Christina Woodcock, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906-9200 fax: (503) 906-9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

Polynuclear Aromatic Compounds per EPA 8270M-SIM - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8020583 **Soil Preparation Method: EPA 3550**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (8020583-MSD1)					QC Source: PRB0367-01				Extracted: 02/19/08 16:05					RL3
Acenaphthene	EPA 8270m	200	---	390	ug/kg dry	25x	ND	194	103%	(33-139)	9.08%	(60)	02/21/08 01:49	
Benzo (a) pyrene	"	163	---	390	"	"	ND	"	84.3%	(45-149)	2.89%	"	"	
Pyrene	"	218	---	390	"	"	ND	"	113%	(39-138)	3.77%	"	"	
Surrogate(s):	*Fluorene-d10*		*Recovery:*	*86.8%*		*Limits:*	*24-125%*	"					*02/21/08 01:49*	*Z3*
	Pyrene-d10			*86.1%*			*41-141%*	"					"	*Z3*
	Benzo (a) pyrene-d12			*86.5%*			*38-143%*	"					"	*Z3*

TestAmerica Portland

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

TCLP Volatile Organic Compounds per EPA Method 1311/8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8020681 **Water Preparation Method: EPA 1311/5030**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8020681-BLK1)								Extracted: 02/21/08 12:22						
Benzene	1311/8260B	ND	---	0.0200	mg/l	1x	--	--	--	--	--	--	02/21/08 15:02	
Ethylbenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Surrogate(s):	*4-BFB*	*Recovery:*	*99.6%*		*Limits:*	*75-130%*	*0.1x*						*02/21/08 15:02*	
	Dibromofluoromethane		*101%*			*75-130%*	"						"	
	Toluene-d8		*105%*			*75-130%*	"						"	
	1,2-DCA-d4		*107%*			*79-123%*	"						"	
LCS (8020681-BS1)								Extracted: 02/21/08 12:22						
Benzene	1311/8260B	0.186	---	0.0200	mg/l	1x	--	0.200	92.8%	(66-142)	--	--	02/21/08 13:11	
Ethylbenzene	"	0.186	---	0.0200	"	"	--	"	93.2%	(70-130)	--	--	"	
Toluene	"	0.187	---	0.0200	"	"	--	"	93.6%	"	--	--	"	
o-Xylene	"	0.188	---	0.0200	"	"	--	"	94.0%	"	--	--	"	
m,p-Xylene	"	0.377	---	0.0200	"	"	--	0.400	94.4%	"	--	--	"	
Surrogate(s):	*4-BFB*	*Recovery:*	*100%*		*Limits:*	*75-130%*	*0.1x*						*02/21/08 13:11*	
	Dibromofluoromethane		*99.0%*			*75-130%*	"						"	
	Toluene-d8		*102%*			*75-130%*	"						"	
	1,2-DCA-d4		*99.6%*			*79-123%*	"						"	
Matrix Spike (8020681-MS1)					QC Source: PRB0199-01			Extracted: 02/21/08 12:22						
Benzene	1311/8260B	0.200	---	0.0200	mg/l	1x	ND	0.200	99.8%	(66-142)	--	--	02/21/08 13:39	
Ethylbenzene	"	0.198	---	0.0200	"	"	ND	"	99.2%	(70-130)	--	--	"	
Toluene	"	0.206	---	0.0200	"	"	ND	"	103%	"	--	--	"	
o-Xylene	"	0.200	---	0.0200	"	"	ND	"	100%	"	--	--	"	
m,p-Xylene	"	0.400	---	0.0200	"	"	ND	0.400	100%	"	--	--	"	
Surrogate(s):	*4-BFB*	*Recovery:*	*98.4%*		*Limits:*	*75-130%*	*0.1x*						*02/21/08 13:39*	
	Dibromofluoromethane		*98.8%*			*75-130%*	"						"	
	Toluene-d8		*101%*			*75-130%*	"						"	
	1,2-DCA-d4		*102%*			*79-123%*	"						"	

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

TCLP Volatile Organic Compounds per EPA Method 1311/8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8020681 **Water Preparation Method: EPA 1311/5030**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (8020681-MSD1)					QC Source: PRB0199-01				Extracted: 02/21/08 12:22					
Benzene	1311/8260B	0.202	---	0.0200	mg/l	1x	ND	0.200	101%	(66-142)	1.05%	(25)	02/21/08 14:07	
Ethylbenzene	"	0.200	---	0.0200	"	"	ND	"	100%	(70-130)	0.804%	"	"	
Toluene	"	0.203	---	0.0200	"	"	ND	"	102%	"	1.42%	"	"	
o-Xylene	"	0.200	---	0.0200	"	"	ND	"	100%	"	0.200%	"	"	
m,p-Xylene	"	0.399	---	0.0200	"	"	ND	0.400	99.8%	"	0.200%	"	"	
Surrogate(s):	*4-BFB*		*Recovery:*	*100%*		*Limits:*	*75-130%*	*0.1x*					*02/21/08 14:07*	
	Dibromofluoromethane			*100%*			*75-130%*	"					"	
	Toluene-d8			*104%*			*75-130%*	"					"	
	1,2-DCA-d4			*104%*			*79-123%*	"					"	

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Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

TCLP Extraction Only - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8020596 **Soil Preparation Method: EPA 1311**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8020596-BLK1)								Extracted: 02/19/08 22:34						
Extraction	EPA 1311	ND	---	1.00	N/A	1x	--	--	--	--	--	--	02/20/08 18:17	

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

Percent Dry Weight (Solids) per Standard Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8020630 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL[A]	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (8020630-DUP1)					QC Source: PRB0540-01					Extracted: 02/20/08 13:39				
% Solids	NCA SOP	94.3	---	0.0100	% by Weight	1x	93.9	--	--	--	0.425%	(20)	02/20/08 13:39	

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Christina Woodcock, Project Manager

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ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	02/26/08 17:29

Notes and Definitions

Report Specific Notes:

M2	-	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
MHA	-	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
Q10	-	Hydrocarbon pattern most closely resembles a blend of possibly oil as well as a non-typical petroleum pattern that may be due to biogenic interference.
Q11	-	Detected hydrocarbons in the diesel range do not have a distinct diesel pattern and may be due to heavily weathered diesel.
R3	-	The RPD exceeded the acceptance limit due to sample matrix effects.
R4	-	Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
RL3	-	Reporting limit raised due to high concentrations of non-target analytes.
Z3	-	The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
ZX	-	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate)
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Christina M. Woodcock

Christina Woodcock, Project Manager

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TestAmerica
ANALYTICAL TESTING CORPORATION

425.420.9200 FAX 420.9210
509.924.9200 FAX 924.9210
503.906.9200 FAX 906.9210

CHAIN OF CUSTODY REPORT

Work Order #: PRBC 45

CLIENT: Conocophillips

REPORT TO ADDRESS: 7730 SW Monawk St Tualatin, OR 97062

PHONE: Secor 503.691.2030

PROJECT NAME: CP PDX Terminal

PROJECT NUMBER: 15CP.00922

SAMPLED BY: J Eckart / N. Swanson

INVOICE TO: SECOR Attn J Eckart

P.O. NUMBER:

PRESERVATIVE:

REQUESTED ANALYSES:

TURNAROUND REQUEST in Business Days*

Inorganic Analyses: 10 | 5 | 4 | X | 2 | 1 | 1

Petroleum Hydrocarbon Analyses: 5 | 4 | X | 2 | 1 | 1

OTHER Specify

* Turnaround Requests less than standard may incur Rush Charges

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE TIME	TCLP BTEX	NWTPH Gx	NWTPH Dx	RCRA 8 Metals	RBDN VOCs	PAHS 8270SIM	TCLP Pb	MATRIX (W.S.O.)	# OF CONT	LOCATION COMMENTS	TA WO ID
1 Tank 425551	1200/21508		X	X	X	X	X	X	S	2		
2 Tank 425552	1205/21508		X	X	X	X	X	X	S	2		
3 SBoom 021508-1	1300/21508	X	X	X					O	1		
4 SBoom 021508-2	1305/21508	X	X	X					O	1		
5												
6												
7												
8												
9												
10												

RELEASED BY: [signature]	DATE: 2.19.08	RECEIVED BY: [signature]	DATE: 2/19/08		
PRINT NAME: JESSICA ECKART	FIRM: SECOR	TIME:	PRINT NAME: Bob	FIRM: TAP	TIME: 10:22
RELEASED BY: [signature]	DATE: 2/19/08	RECEIVED BY: [signature]	DATE: 2/19/08		
PRINT NAME: Bob	FIRM: TAP	TIME: 10:40	PRINT NAME: Jamie Ireland	FIRM: TAP	TIME: 10:40

ADDITIONAL REMARKS:

TEMP: 4.5

PAGE OF

TAL-1000-0-07

COP0016330

TestAmerica Sample Receipt Checklist

Received by: (section A)
Date 2/19/08
Time 10:40
Initials JL

Unpacked by: (section B)
Date 2/19/08
Initials JL

Logged-in by:
Date 2/19/08
Initials JL

Work Order No. PRB6489
Client: Secor
Project: P

Temperature out of range
___ Not enough Ice
___ No Ice
___ Ice Melted
___ Win 4 Hours
___ Other _____

***ESI Clients (see Section C)

Cooler Temperature (IR) 4.5 C plastic glass NA (oil/air samples, ESI client) Temperature Blank: _____ °C

A

Custody Seals: (#___)

Signature: Y X N Dated: _____
___ None

Container Type:
1 #Cooler(s)
___ #Box(s)
___ None (___ #Other: _____)

Coolant Type:
X Gel Ice
___ Loose Ice
___ None

Packing Material:
___ Bubble Bags
___ Styrofoam Cubbies
X None (___ Other _____)

Received from:
X TA Courier
___ Senvoy
___ UPS
___ Fed Ex
___ Client
___ TDP
___ DHL
___ SDS
___ Mid-Valley
___ GS/TA
___ GS/Senvoy
___ Other _____

B

Sample Status
(If N circled, see NOD)

General:			
Intact?	Y	N	
# Containers Match COC?	Y	N	none given
IDs Match COC?	Y	N	
For Analyses Requested:			
Correct Type & Preservation?	Y	N	
Adequate Volume?	Y	N	
Within Hold Time?	Y	N	
Volatiles/ Oil Quality:			
VOAs/ Syringes free of Headspace?	Y	N	NA
TB on COC? not provided	Y	N	NA
Metals:			
HNO3 Preserved?	Y	N	NA
Dissolved Metals Filtered?	Y	N	NA

C

***ESI Clients Only:

Temperature Blank _____ °C not provided

All preserved bottles checked Y N NA (voas/soils/all unp.)
All preserved accordingly? Y N (see NOD) NA (voas/soils/all unp.)

FED EX/ UPS Was the tracking paper keepable? YES NO

If circled NO, what is the Tracking number? _____

FED EX Goldstreak UPS DHL Other: _____

Project Managers

Comments _____

PM Reviewed _____ Initial/Date _____

COP001633

Generator's Nonhazardous Waste Profile Sheet

Requested Disposal Facility _____ Profile Number

☐ Renewal for Profile Number _____ Waste Approval Expiration Date _____

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: ConocoPhillips
2. Site Address: 5528 NW Doane Ave.
3. City/ZIP: Portland 97210
4. State: Oregon
5. County: Multnomah
6. Contact Name/Title: Alice Larsen for ConocoPhillips
7. Email Address: Alice.Larsen@stantec.com
8. Phone: 503-691-2030
9. FAX: 503-692-7074
10. NAICS Code: _____
11. Generator USEPA ID #: _____
12. State ID# (if applicable): _____

B. Customer Information ☐ same as above

P. O. Number: _____

1. Customer Name: Stratus Corporation
2. Billing Address: 39515 SW Hartley Road
3. City, State and ZIP: Gaston, OR 97119
4. Contact Name: Scott Flaherty
5. Contact Email: s.flaherty@stratuscorp.net
6. Phone: 985-7912 FAX: 503-985-1953
7. Transporter Name: Stratus Corporation
8. Transporter ID # (if appl.): _____
9. Transporter Address: 39515 SW Hartley Road
10. City, State and ZIP: Gaston, OR 97119

C. Waste Stream Information

1. DESCRIPTION
   a. Common Waste Name: spent carbon State Waste Code(s): _____
   b. Describe Process Generating Waste or Source of Contamination:

   spent carbon from site remediation system

   c. Typical Color(s): _____
   d. Strong Odor? ☐ Yes ☑ No Describe: _____
   e. Physical State at 70°F: ☑ Solid ☐ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other: _____
   f. Layers? ☑ Single layer ☐ Multi- layer ☐ NA
   g. Water Reactive? ☐ Yes ☑ No If Yes, Describe: _____
   h. Free Liquid Range (%): _____ to _____ ☑ NA(solid)
   i. pH Range: ☐ ≤2 ☐ 2.1-12.4 ☐ ≥12.5 ☑ NA(solid) ☐ Actual: _____
   j. Liquid Flash Point: ☐ < 140°F ☐ ≥ 140°F ☑ NA(solid) ☐ Actual: _____
   k. Flammable Solid: ☐ Yes ☑ No
   l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☑ (See Attached)

Constituents *(Total Composition Must be ≥ 100%)*	Concentration %	Constituents *(Total Composition Must be ≥ 100%)*	Concentration %
1.		4.	
2.		5.	
3.		6.	

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION
   a. ☑ Event ☐ Base/Ongoing (Check One)
   b. Estimated Annual Quantity: 6 ☐ Tons ☐ Cubic Yards ☑ Drums ☐ Gallons ☐ Other (specify): _____
   c. Shipping Frequency: _____ Units per ☐ Month ☐ Quarter ☐ Year ☑ One Time ☐ Other
   d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☑ No
   e. USDOT Shipping Description (if applicable): _____
3. SAFETY REQUIREMENTS (Handling, PPE, etc.): Level D PPE

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COP0016332

WASTE MANAGEMENT

Generator's Nonhazardous Waste Profile Sheet

D. Regulatory Status (Please check appropriate responses)

1. Is this a USEPA (40 CFR Part 261)/State hazardous waste? If yes, contact your sales representative. ☐ Yes ☑ No
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☑ No
   - ☐ Delisted Hazardous Waste
   - ☐ Excluded Wastes Under 40 CFR 261.4
   - ☐ Treated Hazardous Waste Debris
   - ☐ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☑ Yes ☐ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☑ No
   a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☐ No
   b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☐ No
5. Does the waste represented by this waste profile sheet contain concentrations of regulated Polychlorinated Biphenyls (PCBs)? ☐ Yes ☑ No
   a. If yes, is disposal regulated under TSCA? ☐ Yes ☐ No
6. Does the waste contain untreated, regulated, medical or infectious waste? ☐ Yes ☑ No
7. Does the waste contain asbestos? ☐ Yes ☑ No If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☑ No
   If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☐ No

E. Generator Certification (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the Contractor if applicable).
5. Check all that apply:
   - ☐ Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: _____ # Pages: _____
   - ☐ Only the analyses identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
   - ☐ Additional information necessary to characterize the profiled waste has been attached (other than analytical). Indicate the number of attached pages: _____
   - ☐ I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.
   - ☐ By Generator process knowledge, the following waste is not a listed waste and is below all TCLP regulatory limits.

Certification Signature: Alice Larsen for ConocoPhillips **Title:** Senior Project Manager

Company Name: Stantec, Inc **Name (Print):** Alice Larsen for ConocoPhillips

Date: 03/19/2008

FOR WM USE ONLY

Management Method: ☐ Landfill ☐ Bioremediation **Approval Decision:** ☐ Approved ☐ Not Approved

☐ Non-hazardous solidification ☐ Other: _____ Waste Approval Expiration Date: _____

Management Facility Precautions, Special Handling Procedures or Limitation on approval:

- ☐ Shall not contain free liquid
- ☐ Shipment must be scheduled into disposal facility
- ☐ Approval Number must accompany each shipment
- ☐ Waste Manifest must accompany load

WM Authorization Name / Title: _____ **Date:** _____

State Authorization (if Required): _____ **Date:** _____

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THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

March 06, 2008

Jessica Eckart
Secor
7730 SW Mohawk Street
Tualatin, OR 97062

RE: Conoco Phillips

Enclosed are the results of analyses for samples received by the laboratory on 02/20/08 13:37. The following list is a summary of the Work Orders contained in this report, generated on 03/06/08 13:26.

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

Work Order	Project	ProjectNumber
PRB0547	Conoco Phillips	0922 Portland Terminal (COP

Spent Carbon

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	03/06/08 13:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SPCEV2-20-08	PRB0547-01	Soil	02/20/08 09:45	02/20/08 13:37

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	03/06/08 13:26

TCLP Metals per EPA 1311/6000/7000 Series Methods

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRB0547-01 (SPCEV2-20-08)		**Soil**			**Sampled: 02/20/08 09:45**					
Lead	1311/6020	ND	----	0.0500	mg/l	1x	8020804	02/26/08 09:09	02/27/08 07:05	

TestAmerica Portland

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	03/06/08 13:26

TCLP Volatile Organic Compounds per EPA Method 1311/8260B

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRB0547-01 (SPCEV2-20-08)		**Soil**			**Sampled: 02/20/08 09:45**					
Acetone	1311/8260B	ND	-----	0.500	mg/l	1x	8030015	03/03/08 08:58	03/04/08 14:55	
Benzene	"	ND	-----	0.0200	"	"	"	"	"	
Bromobenzene	"	ND	-----	0.0200	"	"	"	"	"	
Bromochloromethane	"	ND	-----	0.0200	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	0.0200	"	"	"	"	"	
Bromoform	"	ND	-----	0.0200	"	"	"	"	"	
Bromomethane	"	ND	-----	0.100	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
Carbon Tetrachloride	"	ND	-----	0.0200	"	"	"	"	"	
Chlorobenzene	"	ND	-----	0.0200	"	"	"	"	"	
Chloroethane	"	ND	-----	0.0500	"	"	"	"	"	
Chloroform	"	ND	-----	0.0200	"	"	"	"	"	
Chloromethane	"	ND	-----	0.100	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	0.0200	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	0.0200	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	0.0500	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	0.0200	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	0.0200	"	"	"	"	"	
Dibromomethane	"	ND	-----	0.0200	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	0.0200	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	0.0200	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	0.0200	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	0.100	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	0.0200	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	0.0200	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	0.0200	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	0.0200	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	0.0200	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	0.0200	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	0.0200	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	0.0200	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	0.0200	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	0.0200	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	0.0200	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	0.0500	"	"	"	"	"	
2-Hexanone	"	ND	-----	0.100	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	0.0200	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	0.0200	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	0.200	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	0.500	"	"	"	"	"	

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	03/06/08 13:26

TCLP Volatile Organic Compounds per EPA Method 1311/8260B

TestAmerica Portland

Analyte	Method	Result	MDL[A]	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRB0547-01 (SPCEV2-20-08)		**Soil**			**Sampled: 02/20/08 09:45**					
Methylene chloride	1311/8260B	ND	----	0.500	mg/l	1x	8030015	03/03/08 08:58	03/04/08 14:55	
Methyl tert-butyl ether	"	ND	----	10.0	"	"	"	"	"	
Naphthalene	"	ND	----	0.0200	"	"	"	"	"	
n-Propylbenzene	"	ND	----	0.0200	"	"	"	"	"	
Styrene	"	ND	----	0.0200	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	----	0.0200	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	----	0.0200	"	"	"	"	"	
Tetrachloroethene	"	ND	----	0.0200	"	"	"	"	"	
Toluene	"	ND	----	0.0200	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	----	0.0200	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	0.0200	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	----	0.0200	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	----	0.0200	"	"	"	"	"	
Trichloroethene	"	ND	----	0.0200	"	"	"	"	"	
Trichlorofluoromethane	"	ND	----	0.0500	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	----	0.0200	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	0.0200	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	0.0200	"	"	"	"	"	
Vinyl chloride	"	ND	----	0.0200	"	"	"	"	"	
o-Xylene	"	ND	----	0.0200	"	"	"	"	"	
m,p-Xylene	"	ND	----	0.0200	"	"	"	"	"	
Surrogate(s):	*4-BFB*		*101%*		*75 - 130 %*	*0.1x*			"	
	Dibromofluoromethane		*104%*		*75 - 130 %*	"			"	
	Toluene-d8		*105%*		*75 - 130 %*	"			"	
	1,2-DCA-d4		*104%*		*79 - 123 %*	"			"	

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Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	03/06/08 13:26

TCLP Extraction Only

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PRB0547-01 (SPCEV2-20-08)		**Soil**			**Sampled: 02/20/08 09:45**					
Extraction	EPA 1311	ND	----	1.00	N/A	1x	8020781	02/25/08 14:39	02/26/08 09:02	

TestAmerica Portland

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	03/06/08 13:26

TCLP Metals per EPA 1311/6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8020804 **Soil Preparation Method: EPA 1311/3005**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8020804-BLK1)								Extracted: 02/26/08 09:09						
Lead	1311/6020	ND	---	0.0500	mg/l	1x	--	--	--	--	--	--	02/27/08 06:50	
LCS (8020804-BS1)								Extracted: 02/26/08 09:09						
Lead	1311/6020	0.153	---	0.0500	mg/l	1x	--	0.200	76.5%	(75-125)	--	--	02/27/08 06:57	
Duplicate (8020804-DUP1)				QC Source: PRB0547-01				Extracted: 02/26/08 09:09						
Lead	1311/6020	ND	---	0.0500	mg/l	1x	ND	--	--	--	NR	(20)	02/27/08 07:12	
Matrix Spike (8020804-MS1)				QC Source: PRB0569-01				Extracted: 02/26/08 09:09						
Lead	1311/6020	0.156	---	0.0500	mg/l	1x	0.00176	0.200	77.2%	(50-150)	--	--	02/27/08 07:34	
Matrix Spike (8020804-MS2)				QC Source: PRB0571-01				Extracted: 02/26/08 09:09						
Lead	1311/6020	0.155	---	0.0500	mg/l	1x	ND	0.200	77.3%	(50-150)	--	--	02/27/08 08:21	

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	03/06/08 13:26

TCLP Volatile Organic Compounds per EPA Method 1311/8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8030015 **Water Preparation Method: EPA 1311/5030**

Analyte	Method	Result	MDL^	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8030015-BLK1)								Extracted: 03/03/08 08:58						
Acetone	1311/8260B	ND	---	0.500	mg/l	1x	--	--	--	--	--	--	03/04/08 13:58	
Benzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Carbon Tetrachloride	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Hexachlorobutadiene	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	

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Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	03/06/08 13:26

TCLP Volatile Organic Compounds per EPA Method 1311/8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8030015 **Water Preparation Method: EPA 1311/5030**

Analyte	Method	Result	MDL^	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8030015-BLK1)									Extracted: 03/03/08 08:58					
Isopropylbenzene	1311/8260B	ND	---	0.0200	mg/l	1x	--	--	--	--	--	--	03/04/08 13:58	
p-Isopropyltoluene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
2-Butanone (MEK)	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	

Surrogate(s):	*4-BFB*	*Recovery:*	*104%*	*Limits: 75-130%*	*0.1x*	*03/04/08 13:58*
	Dibromofluoromethane		*103%*	*75-130%*	"	"
	Toluene-d8		*103%*	*75-130%*	"	"
	1,2-DCA-d4		*105%*	*79-123%*	"	"

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	03/06/08 13:26

TCLP Volatile Organic Compounds per EPA Method 1311/8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8030015 **Water Preparation Method: EPA 1311/5030**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (8030015-BS1)								Extracted: 03/03/08 08:58						
Benzene	1311/8260B	0.174	---	0.0200	mg/l	1x	--	0.200	87.0%	(66-142)	--	--	03/04/08 12:07	
Carbon Tetrachloride	"	0.181	---	0.0200	"	"	--	"	90.3%	(50-150)	--	--	"	
Chlorobenzene	"	0.180	---	0.0200	"	"	--	"	90.2%	(60-133)	--	--	"	
Chloroform	"	0.174	---	0.0200	"	"	--	"	87.2%	(50-150)	--	--	"	
1,4-Dichlorobenzene	"	0.175	---	0.0200	"	"	--	"	87.6%	"	--	--	"	
1,2-Dichloroethane	"	0.179	---	0.0200	"	"	--	"	89.6%	"	--	--	"	
1,1-Dichloroethene	"	0.176	---	0.0200	"	"	--	"	88.2%	(59-172)	--	--	"	
2-Butanone (MEK)	"	0.466	---	0.500	"	"	--	0.400	116%	(40-180)	--	--	"	
Tetrachloroethene	"	0.178	---	0.0200	"	"	--	0.200	89.1%	(50-150)	--	--	"	
Trichloroethene	"	0.166	---	0.0200	"	"	--	"	83.2%	(62-137)	--	--	"	
Vinyl chloride	"	0.183	---	0.0200	"	"	--	"	91.7%	(40-180)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 102%*			*Limits: 75-130%*	*0.1x*							*03/04/08 12:07*	
Dibromofluoromethane		*104%*			*75-130%*	"							"	
Toluene-d8		*102%*			*75-130%*	"							"	
1,2-DCA-d4		*101%*			*79-123%*	"							"	
Matrix Spike (8030015-MS1)					QC Source: PRB0547-01				Extracted: 03/03/08 08:58					
Benzene	1311/8260B	0.188	---	0.0200	mg/l	1x	ND	0.200	93.8%	(66-142)	--	--	03/04/08 12:34	
Carbon Tetrachloride	"	0.197	---	0.0200	"	"	ND	"	98.4%	(50-150)	--	--	"	
Chlorobenzene	"	0.198	---	0.0200	"	"	ND	"	98.9%	(60-133)	--	--	"	
Chloroform	"	0.190	---	0.0200	"	"	ND	"	95.2%	(50-150)	--	--	"	
1,4-Dichlorobenzene	"	0.192	---	0.0200	"	"	ND	"	96.1%	"	--	--	"	
1,2-Dichloroethane	"	0.194	---	0.0200	"	"	ND	"	96.8%	"	--	--	"	
1,1-Dichloroethene	"	0.186	---	0.0200	"	"	ND	"	93.2%	(59-172)	--	--	"	
2-Butanone (MEK)	"	0.379	---	0.500	"	"	ND	0.400	94.8%	(40-180)	--	--	"	
Tetrachloroethene	"	0.196	---	0.0200	"	"	ND	0.200	98.0%	(50-150)	--	--	"	
Trichloroethene	"	0.177	---	0.0200	"	"	ND	"	88.6%	(62-137)	--	--	"	
Vinyl chloride	"	0.202	---	0.0200	"	"	ND	"	101%	(40-180)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 102%*			*Limits: 75-130%*	*0.1x*							*03/04/08 12:34*	
Dibromofluoromethane		*101%*			*75-130%*	"							"	
Toluene-d8		*102%*			*75-130%*	"							"	
1,2-DCA-d4		*101%*			*79-123%*	"							"	

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	03/06/08 13:26

TCLP Volatile Organic Compounds per EPA Method 1311/8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8030015 **Water Preparation Method: EPA 1311/5030**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (8030015-MSD1)				QC Source: PRB0547-01				Extracted: 03/03/08 08:58						
Benzene	1311/8260B	0.182	---	0.0200	mg/l	1x	ND	0.200	90.8%	(66-142)	3.25%	(21)	03/04/08 13:02	
Carbon Tetrachloride	"	0.190	---	0.0200	"	"	ND	"	94.9%	(50-150)	3.57%	(40)	"	
Chlorobenzene	"	0.185	---	0.0200	"	"	ND	"	92.6%	(60-133)	6.58%	(21)	"	
Chloroform	"	0.181	---	0.0200	"	"	ND	"	90.6%	(50-150)	4.95%	(40)	"	
1,4-Dichlorobenzene	"	0.180	---	0.0200	"	"	ND	"	90.1%	"	6.44%	"	"	
1,2-Dichloroethane	"	0.185	---	0.0200	"	"	ND	"	92.7%	"	4.28%	"	"	
1,1-Dichloroethene	"	0.179	---	0.0200	"	"	ND	"	89.4%	(59-172)	4.05%	(22)	"	
2-Butanone (MEK)	"	0.321	---	0.500	"	"	ND	0.400	80.3%	(40-180)	16.5%	(50)	"	
Tetrachloroethene	"	0.185	---	0.0200	"	"	ND	0.200	92.6%	(50-150)	5.72%	"	"	
Trichloroethene	"	0.173	---	0.0200	"	"	ND	"	86.6%	(62-137)	2.28%	(24)	"	
Vinyl chloride	"	0.191	---	0.0200	"	"	ND	"	95.6%	(40-180)	5.64%	(50)	"	

Surrogate(s):	*4-BFB*	*Recovery:*	*100%*	*Limits: 75-130%*	*0.1x*	*03/04/08 13:02*
	Dibromofluoromethane		*103%*	*75-130%*	"	"
	Toluene-d8		*103%*	*75-130%*	"	"
	1,2-DCA-d4		*102%*	*79-123%*	"	"

TestAmerica Portland

Christina M. Woodcock

Christina Woodcock, Project Manager

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Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	03/06/08 13:26

TCLP Extraction Only - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 8020781 **Soil Preparation Method: EPA 1311**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8020781-BLK1)								Extracted: 02/25/08 14:39						
Extraction	EPA 1311	ND	---	1.00	N/A	1x	--	--	--	--	--	--	02/26/08 09:02	

TestAmerica Portland

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
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ph: (503) 906.9200 fax: (503) 906.9210

Secor	Project Name:	**Conoco Phillips**	
7730 SW Mohawk Street	Project Number:	0922 Portland Terminal (COP)	Report Created:
Tualatin, OR 97062	Project Manager:	Jessica Eckart	03/06/08 13:26

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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FRBC541

TestAmerica Portland
9405 SW Nimbus Avenue

Beaverton, OR 97008
phone 503.906.9200 fax 503.906.9210

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Jessica Eckart	Site Contact: Norman Swanson	Date: 2-20-08	COC No: 1
SECOR International, Inc.		Lab Contact: Christina	Carrier:	1 of 1 COCs
7730 SW Mohawk Blvd.	Analysis Turnaround Time			Job No. 15CP.00922
Tualtin, OR 97062	Calendar (C) or Work Days (W)			
(503) 691-2030 Phone	TAT if different from Below			
(503) 692-7074 FAX	☐ 2 weeks			SDG No.
Project Name: 0922 Portland Terminal (COP)	☐ 1 week			
Site: 0922	■ 2 days			
P O # None - Direct Bill to SECOR	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	TCLP 8260 (see comments)	TCLP Pb	Sample Specific Notes
SPCEV2-20-08	2-20-08	0945	Comp	Carbon	2		X	X	
									8260 TCLP:
									Vinyl Chloride; trichloroethene
									1,1-dichloroethene; chloroform;
									carbon tetrachloride, benzene;
									1,2-dichloroethane; tetrachloroethene;
									chlorobenzene; 2-butanone

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ■

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ■ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments:

Don't invoice to Conoco Phillips. Please bill and invoice to SECOR 7730 SW Mohawk Blvd., Tualatin, OR 97062 - Thankyou. eq

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Norman Swanson	SECOR	2-22-08/1337	Jamie Jekel	TAP	2/20/08 13:37 4.3°C
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

COP0016347

TestAmerica Sample Receipt Checklist

Received by: (section A)
Date: 2/20/08
Time: [illegible]
Initials: [illegible]

Unpacked by: (section B)
Date: 2/20/08
Initials: [illegible]

Logged-in by:
Date: 2/20/08
Initials: [illegible]

Work Order No. PRB0547
Client: SECOR
Project: Conoco Phillips

Temperature out of range:
___Not enough Ice
___No Ice
___Ice Melted
___Win 4 Hours
___Other _____

***ESI Clients (see Section C)

Cooler Temperature (IR): 4.3 °C plastic glass NA (oil/air samples, ESI client) Temperature Blank: _____ °C

A

Custody Seals: (#____)

Signature: Y N Dated: _____
X None

Container Type:
____#Cooler(s)
____#Box(s)
____None (X #Other: Plastic Tub)

Coolant Type:
____Gel Ice
X Loose Ice
____None

Packing Material:
____Bubble Bags
____Styrofoam Cubbies
X None (____Other: _____)

Received from:
____TA Courier
____Senvoy
____UPS
____Fed Ex
X Client
____TDP
____DHL
____SDS
____Mid-Valley
____GS/TA
____GS/Senvoy
____Other
_____

B

Sample Status:
(If N circled, see NOD)

General:
Intact? Y N
Containers Match COC? Y N none given
IDs Match COC? Y N

For Analyses Requested:
Correct Type & Preservation? Y N
Adequate Volume? Y N
Within Hold Time? Y N

Volatiles/ Oil Quality:
VOAs/ Syringes free of Headspace? Y N NA
TB on COC? not provided Y N NA

Metals:
HNO3 Preserved? Y N NA
Dissolved Metals Filtered? Y N NA

C

***ESI Clients Only:

Temperature Blank _____ °C not provided

All preserved bottles checked Y N NA (voas/soils/all unp.)
All preserved accordingly? Y N (see NOD) NA (voas/soils/all unp.)

FED EX/ UPS: Was the tracking paper keepable? YES NO

If circled NO, what is the Tracking number? _____

FED EX Goldstreak UPS DHL Other: _____

Project Managers

Comments: _____

PM Reviewed _____ (Initial/Date)

COP0016348