

October 11, 2007

David G. Coles  
Coles Environmental  
750 S. Rosemont Rd.  
West Linn, OR 97068

RE: Harbor Tank 23

Enclosed are the results of analyses for samples received by the laboratory on 08/17/07 12:38.  
The following list is a summary of the Work Orders contained in this report, generated on 10/11/07  
08:06.

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

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<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
PQH0767	Harbor Tank 23	P7176.1

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Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Q-1	PQH0767-01	Soil	08/16/07 14:50	08/17/07 12:38
Q-2	PQH0767-02	Soil	08/16/07 13:30	08/17/07 12:38
Q-3	PQH0767-03	Soil	08/16/07 11:25	08/17/07 12:38
Q-4	PQH0767-04	Soil	08/16/07 16:15	08/17/07 12:38
Q-5	PQH0767-05	Soil	08/16/07 14:00	08/17/07 12:38
Field Rinsate	PQH0767-06	Water	08/16/07 13:45	08/17/07 12:38
Trip Blank	PQH0767-07	Water	08/16/07 00:00	08/17/07 12:38

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Project Number: P7176.1

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Report Created:

10/11/07 08:06

## Hydrocarbon Identification per NW-TPH Methodology

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-01 (Q-1)</b>			<b>Soil</b>					<b>Sampled: 08/16/07 14:50</b>		
Gasoline Range Hydrocarbons	NWTPH HCID	DET	----	14.7	mg/kg wet	1x	7081079	08/23/07 14:30	08/23/07 19:59	
Diesel Range Hydrocarbons	"	DET	----	36.7	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	"	DET	----	73.4	"	"	"	"	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>			NR	50 - 150 %		"				Z9
<b>PQH0767-02 (Q-2)</b>			<b>Soil</b>					<b>Sampled: 08/16/07 13:30</b>		
Gasoline Range Hydrocarbons	NWTPH HCID	DET	----	19.8	mg/kg wet	1x	7081079	08/23/07 14:30	08/23/07 20:29	
Diesel Range Hydrocarbons	"	DET	----	49.6	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	"	DET	----	99.1	"	"	"	"	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>			NR	50 - 150 %		"				Z9
<b>PQH0767-03 (Q-3)</b>			<b>Soil</b>					<b>Sampled: 08/16/07 11:25</b>		
Gasoline Range Hydrocarbons	NWTPH HCID	DET	----	17.9	mg/kg wet	1x	7081079	08/23/07 14:30	08/23/07 21:00	
Diesel Range Hydrocarbons	"	DET	----	44.8	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	"	DET	----	89.7	"	"	"	"	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>			NR	50 - 150 %		"				Z9
<b>PQH0767-04 (Q-4)</b>			<b>Soil</b>					<b>Sampled: 08/16/07 16:15</b>		
Gasoline Range Hydrocarbons	NWTPH HCID	DET	----	18.1	mg/kg wet	1x	7081079	08/23/07 14:30	08/23/07 21:30	
Diesel Range Hydrocarbons	"	DET	----	45.3	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	"	DET	----	90.6	"	"	"	"	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>			NR	50 - 150 %		"				Z9
<b>PQH0767-05 (Q-5)</b>			<b>Soil</b>					<b>Sampled: 08/16/07 14:00</b>		
Gasoline Range Hydrocarbons	NWTPH HCID	DET	----	16.4	mg/kg wet	1x	7081079	08/23/07 14:30	08/23/07 22:00	
Diesel Range Hydrocarbons	"	DET	----	41.1	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	"	DET	----	82.1	"	"	"	"	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>			NR	50 - 150 %		"				Z9
<b>PQH0767-06 (Field Rinsate)</b>			<b>Water</b>					<b>Sampled: 08/16/07 13:45</b>		
Gasoline Range Hydrocarbons	NWTPH HCID	ND	----	0.236	mg/l	1x	7081100	08/23/07 14:00	08/23/07 23:59	
Diesel Range Hydrocarbons	"	ND	----	0.594	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	"	ND	----	0.594	"	"	"	"	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>			92.5%	50 - 150 %		"				

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Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Gasoline Hydrocarbons per NW TPH-Gx Method**

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-01 (Q-1)</b>		<b>Soil</b>								<b>Sampled: 08/16/07 14:50</b>
<b>Gasoline Range Hydrocarbons</b>	NW TPH-Gx	<b>22500</b>	----	3330	mg/kg wet	10x	7081533	08/31/07 11:26	09/05/07 13:17	<b>H</b>
<i>Surrogate(s): a,a,a-TFT</i>			128%		50 - 150 %	"			"	<b>ZX</b>
<b>PQH0767-02 (Q-2)</b>		<b>Soil</b>								<b>Sampled: 08/16/07 13:30</b>
<b>Gasoline Range Hydrocarbons</b>	NW TPH-Gx	<b>21600</b>	----	1450	mg/kg wet	4x	7081533	08/31/07 11:26	09/05/07 13:45	<b>H</b>
<i>Surrogate(s): a,a,a-TFT</i>			124%		50 - 150 %	"			"	<b>ZX</b>
<b>PQH0767-03 (Q-3)</b>		<b>Soil</b>								<b>Sampled: 08/16/07 11:25</b>
<b>Gasoline Range Hydrocarbons</b>	NW TPH-Gx	<b>20700</b>	----	364	mg/kg wet	1x	7081533	08/31/07 11:26	09/01/07 19:11	<b>H</b>
<i>Surrogate(s): a,a,a-TFT</i>			122%		50 - 150 %	"			"	<b>H</b>
<i>4-BFB</i>					50 - 150 %	"			"	<b>H</b>
<b>PQH0767-04 (Q-4)</b>		<b>Soil</b>								<b>Sampled: 08/16/07 16:15</b>
<b>Gasoline Range Hydrocarbons</b>	NW TPH-Gx	<b>17100</b>	----	400	mg/kg wet	1x	7081533	08/31/07 11:26	09/01/07 19:39	<b>H</b>
<i>Surrogate(s): a,a,a-TFT</i>			107%		50 - 150 %	"			"	<b>H</b>
<i>4-BFB</i>					50 - 150 %	"			"	<b>H</b>
<b>PQH0767-05 (Q-5)</b>		<b>Soil</b>								<b>Sampled: 08/16/07 14:00</b>
<b>Gasoline Range Hydrocarbons</b>	NW TPH-Gx	<b>17800</b>	----	1450	mg/kg wet	4x	7081533	08/31/07 11:26	09/05/07 15:29	<b>H</b>
<i>Surrogate(s): a,a,a-TFT</i>			91.6%		50 - 150 %	"			"	<b>ZX</b>

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**Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-01 (Q-1)</b>		<b>Soil</b>			<b>Sampled: 08/16/07 14:50</b>					
Diesel Range Organics	NWTPH-Dx	<b>103000</b>	----	6300	mg/kg wet	100x	7081385	08/29/07 12:45	08/30/07 07:08	
Heavy Oil Range Hydrocarbons	"	<b>99300</b>	----	12600	"	"	"	"	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>			NR	50 - 150 %		"			"	<b>Z3</b>
<b>PQH0767-02 (Q-2)</b>		<b>Soil</b>			<b>Sampled: 08/16/07 13:30</b>					
Diesel Range Organics	NWTPH-Dx	<b>76900</b>	----	6150	mg/kg wet	100x	7081385	08/29/07 12:45	08/30/07 07:44	
Heavy Oil Range Hydrocarbons	"	<b>70300</b>	----	12300	"	"	"	"	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>			NR	50 - 150 %		"			"	<b>Z3</b>
<b>PQH0767-03 (Q-3)</b>		<b>Soil</b>			<b>Sampled: 08/16/07 11:25</b>					
Diesel Range Organics	NWTPH-Dx	<b>131000</b>	----	11600	mg/kg wet	100x	7081385	08/29/07 12:45	08/30/07 09:51	
Heavy Oil Range Hydrocarbons	"	<b>151000</b>	----	23300	"	"	"	"	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>			NR	50 - 150 %		"			"	<b>Z3</b>
<b>PQH0767-04 (Q-4)</b>		<b>Soil</b>			<b>Sampled: 08/16/07 16:15</b>					
Diesel Range Organics	NWTPH-Dx	<b>95500</b>	----	9230	mg/kg wet	100x	7081385	08/29/07 12:45	08/30/07 08:47	
Heavy Oil Range Hydrocarbons	"	<b>99100</b>	----	18500	"	"	"	"	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>			NR	50 - 150 %		"			"	<b>Z3</b>
<b>PQH0767-05 (Q-5)</b>		<b>Soil</b>			<b>Sampled: 08/16/07 14:00</b>					
Diesel Range Organics	NWTPH-Dx	<b>112000</b>	----	4490	mg/kg wet	100x	7081385	08/29/07 12:45	08/30/07 09:18	
Heavy Oil Range Hydrocarbons	"	<b>112000</b>	----	8980	"	"	"	"	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>			NR	50 - 150 %		"			"	<b>Z3</b>

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**Organochlorine Pesticides and PCBs per EPA Methods 8081A/8082**

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-01 (Q-1)</b>		<b>Soil</b>					<b>Sampled: 08/16/07 14:50</b>			<b>RL3</b>
Aldrin	8081A/8082	ND	----	2010	ug/kg wet	10x	7081200	08/25/07 10:40	08/29/07 22:16	
alpha-BHC	"	ND	----	2010	"	"	"	"	"	
beta-BHC	"	ND	----	2010	"	"	"	"	"	
delta-BHC	"	ND	----	2010	"	"	"	"	"	
gamma-BHC (Lindane)	"	ND	----	2010	"	"	"	"	"	
alpha-Chlordane	"	ND	----	2010	"	"	"	"	"	
Chlordane (tech)	"	ND	----	45000	"	"	"	"	"	
gamma-Chlordane	"	ND	----	2010	"	"	"	"	"	
4,4'-DDD	"	ND	----	2010	"	"	"	"	"	
4,4'-DDE	"	ND	----	2010	"	"	"	"	"	
4,4'-DDT	"	ND	----	10000	"	50x	"	"	08/29/07 18:38	<b>RL1</b>
Dieldrin	"	ND	----	2010	"	10x	"	"	08/29/07 22:16	
Endosulfan I	"	ND	----	2010	"	"	"	"	"	
Endosulfan II	"	ND	----	2010	"	"	"	"	"	
Endosulfan sulfate	"	ND	----	2010	"	"	"	"	"	
Endrin	"	ND	----	2010	"	"	"	"	"	
Endrin aldehyde	"	ND	----	2010	"	"	"	"	"	
Endrin ketone	"	ND	----	2010	"	"	"	"	"	
Heptachlor	"	ND	----	2010	"	"	"	"	"	
Heptachlor epoxide	"	ND	----	2010	"	"	"	"	"	
Methoxychlor	"	ND	----	10000	"	50x	"	"	08/29/07 18:38	<b>RL1</b>
Toxaphene	"	ND	----	60000	"	10x	"	"	08/29/07 22:16	

Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene 218% 36 - 140 % " " **ZX**

**PQH0767-01RE1 (Q-1)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-01RE1 (Q-1)</b>		<b>Soil</b>					<b>Sampled: 08/16/07 14:50</b>			
Aroclor 1016	8081A/8082	ND	----	970	ug/kg wet	1x	7081488	08/30/07 17:30	08/31/07 00:17	
Aroclor 1221	"	ND	----	1950	"	"	"	"	"	
Aroclor 1232	"	ND	----	970	"	"	"	"	"	
Aroclor 1242	"	ND	----	3640	"	"	"	"	"	<b>RL1</b>
Aroclor 1248	"	ND	----	970	"	"	"	"	"	
Aroclor 1254	"	ND	----	970	"	"	"	"	"	
<b>Aroclor 1260</b>	"	<b>3050</b>	----	970	"	"	"	"	"	

Surrogate(s): Decachlorobiphenyl 66.0% 16 - 149 % " "

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**Organochlorine Pesticides and PCBs per EPA Methods 8081A/8082**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-02 (Q-2)</b>		<b>Soil</b>					<b>Sampled: 08/16/07 13:30</b>			<b>RL3</b>
Aldrin	8081A/8082	ND	----	1990	ug/kg wet	10x	7081200	08/25/07 10:40	08/29/07 22:41	
alpha-BHC	"	ND	----	1990	"	"	"	"	"	
beta-BHC	"	ND	----	1990	"	"	"	"	"	
delta-BHC	"	ND	----	1990	"	"	"	"	"	
gamma-BHC (Lindane)	"	ND	----	1990	"	"	"	"	"	
alpha-Chlordane	"	ND	----	1990	"	"	"	"	"	
Chlordane (tech)	"	ND	----	44600	"	"	"	"	"	
gamma-Chlordane	"	ND	----	1990	"	"	"	"	"	
4,4'-DDD	"	ND	----	1990	"	"	"	"	"	
4,4'-DDE	"	ND	----	1990	"	"	"	"	"	
4,4'-DDT	"	ND	----	9950	"	50x	"	"	08/29/07 19:29	<b>RL1</b>
Dieldrin	"	ND	----	1990	"	10x	"	"	08/29/07 22:41	
Endosulfan I	"	ND	----	1990	"	"	"	"	"	
Endosulfan II	"	ND	----	1990	"	"	"	"	"	
Endosulfan sulfate	"	ND	----	1990	"	"	"	"	"	
Endrin	"	ND	----	1990	"	"	"	"	"	
Endrin aldehyde	"	ND	----	1990	"	"	"	"	"	
Endrin ketone	"	ND	----	1990	"	"	"	"	"	
Heptachlor	"	ND	----	1990	"	"	"	"	"	
Heptachlor epoxide	"	ND	----	1990	"	"	"	"	"	
Methoxychlor	"	ND	----	9950	"	50x	"	"	08/29/07 19:29	<b>RL1</b>
Toxaphene	"	ND	----	59400	"	10x	"	"	08/29/07 22:41	

Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene 318% 36 - 140 % " " **ZX**

<b>PQH0767-02RE1 (Q-2)</b>		<b>Soil</b>					<b>Sampled: 08/16/07 13:30</b>			<b>RL3</b>
Aroclor 1016	8081A/8082	ND	----	4990	ug/kg wet	5x	7081488	08/30/07 17:30	08/31/07 00:39	
Aroclor 1221	"	ND	----	10000	"	"	"	"	"	
Aroclor 1232	"	ND	----	4990	"	"	"	"	"	
Aroclor 1242	"	ND	----	4990	"	"	"	"	"	
Aroclor 1248	"	ND	----	4990	"	"	"	"	"	
Aroclor 1254	"	ND	----	4990	"	"	"	"	"	
<b>Aroclor 1260</b>	"	<b>10500</b>	----	4990	"	"	"	"	"	

Surrogate(s): Decachlorobiphenyl 60.4% 16 - 149 % " "

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-03 (Q-3)</b>		<b>Soil</b>					<b>Sampled: 08/16/07 11:25</b>			<b>RL3</b>
Aldrin	8081A/8082	ND	----	1990	ug/kg wet	10x	7081200	08/25/07 10:40	08/29/07 23:07	
alpha-BHC	"	ND	----	1990	"	"	"	"	"	
beta-BHC	"	ND	----	1990	"	"	"	"	"	
delta-BHC	"	ND	----	1990	"	"	"	"	"	
gamma-BHC (Lindane)	"	ND	----	1990	"	"	"	"	"	
alpha-Chlordane	"	ND	----	1990	"	"	"	"	"	
Chlordane (tech)	"	ND	----	44600	"	"	"	"	"	
gamma-Chlordane	"	ND	----	1990	"	"	"	"	"	
4,4'-DDD	"	ND	----	1990	"	"	"	"	"	
4,4'-DDE	"	ND	----	1990	"	"	"	"	"	
4,4'-DDT	"	ND	----	9950	"	50x	"	"	08/29/07 19:55	<b>RL1</b>
Dieldrin	"	ND	----	1990	"	10x	"	"	08/29/07 23:07	
Endosulfan I	"	ND	----	1990	"	"	"	"	"	
Endosulfan II	"	ND	----	1990	"	"	"	"	"	
Endosulfan sulfate	"	ND	----	1990	"	"	"	"	"	
Endrin	"	ND	----	1990	"	"	"	"	"	
Endrin aldehyde	"	ND	----	1990	"	"	"	"	"	
Endrin ketone	"	ND	----	1990	"	"	"	"	"	
Heptachlor	"	ND	----	1990	"	"	"	"	"	
Heptachlor epoxide	"	ND	----	1990	"	"	"	"	"	
Methoxychlor	"	ND	----	9950	"	50x	"	"	08/29/07 19:55	<b>RL1</b>
Toxaphene	"	ND	----	59400	"	10x	"	"	08/29/07 23:07	

Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene 102% 36 - 140 % " "

<b>PQH0767-03RE1 (Q-3)</b>		<b>Soil</b>					<b>Sampled: 08/16/07 11:25</b>			<b>RL3</b>
Aroclor 1016	8081A/8082	ND	----	4900	ug/kg wet	5x	7081488	08/30/07 17:30	08/31/07 01:01	
Aroclor 1221	"	ND	----	9850	"	"	"	"	"	
Aroclor 1232	"	ND	----	4900	"	"	"	"	"	
Aroclor 1242	"	ND	----	4900	"	"	"	"	"	
Aroclor 1248	"	ND	----	4900	"	"	"	"	"	
Aroclor 1254	"	ND	----	4900	"	"	"	"	"	
Aroclor 1260	"	ND	----	4900	"	"	"	"	"	

Surrogate(s): Decachlorobiphenyl 55.1% 16 - 149 % " "

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10/11/07 08:06

**Organochlorine Pesticides and PCBs per EPA Methods 8081A/8082**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-04 (Q-4)</b>		<b>Soil</b>								<b>RL3</b>
										<b>Sampled: 08/16/07 16:15</b>
Aldrin	8081A/8082	ND	----	1930	ug/kg wet	10x	7081200	08/25/07 10:40	08/29/07 23:33	
alpha-BHC	"	ND	----	1930	"	"	"	"	"	
beta-BHC	"	ND	----	1930	"	"	"	"	"	
delta-BHC	"	ND	----	1930	"	"	"	"	"	
gamma-BHC (Lindane)	"	ND	----	1930	"	"	"	"	"	
alpha-Chlordane	"	ND	----	1930	"	"	"	"	"	
Chlordane (tech)	"	ND	----	43300	"	"	"	"	"	
gamma-Chlordane	"	ND	----	1930	"	"	"	"	"	
4,4'-DDD	"	ND	----	1930	"	"	"	"	"	
4,4'-DDE	"	ND	----	1930	"	"	"	"	"	
4,4'-DDT	"	ND	----	9660	"	50x	"	"	08/29/07 20:21	<b>RL1</b>
Dieldrin	"	ND	----	1930	"	10x	"	"	08/29/07 23:33	
Endosulfan I	"	ND	----	1930	"	"	"	"	"	
Endosulfan II	"	ND	----	1930	"	"	"	"	"	
Endosulfan sulfate	"	ND	----	1930	"	"	"	"	"	
Endrin	"	ND	----	1930	"	"	"	"	"	
Endrin aldehyde	"	ND	----	1930	"	"	"	"	"	
Endrin ketone	"	ND	----	1930	"	"	"	"	"	
Heptachlor	"	ND	----	1930	"	"	"	"	"	
Heptachlor epoxide	"	ND	----	1930	"	"	"	"	"	
Methoxychlor	"	ND	----	9660	"	50x	"	"	08/29/07 20:21	<b>RL1</b>
Toxaphene	"	ND	----	57700	"	10x	"	"	08/29/07 23:33	

Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene

120%

36 - 140 %

"

"

**PQH0767-04RE1 (Q-4)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
		<b>Soil</b>								<b>Sampled: 08/16/07 16:15</b>
Aroclor 1016	8081A/8082	ND	----	979	ug/kg wet	1x	7081488	08/30/07 17:30	08/31/07 01:23	
Aroclor 1221	"	ND	----	1970	"	"	"	"	"	
Aroclor 1232	"	ND	----	979	"	"	"	"	"	
Aroclor 1242	"	ND	----	979	"	"	"	"	"	
Aroclor 1248	"	ND	----	979	"	"	"	"	"	
Aroclor 1254	"	ND	----	979	"	"	"	"	"	
<b>Aroclor 1260</b>	"	<b>2330</b>	----	979	"	"	"	"	"	

Surrogate(s): Decachlorobiphenyl

49.6%

16 - 149 %

"

"

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Organochlorine Pesticides and PCBs per EPA Methods 8081A/8082**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-05 (Q-5)</b>		<b>Soil</b>					<b>Sampled: 08/16/07 14:00</b>			<b>RL3</b>
Aldrin	8081A/8082	ND	----	1970	ug/kg wet	10x	7081200	08/25/07 10:40	08/29/07 23:59	
alpha-BHC	"	ND	----	1970	"	"	"	"	"	
beta-BHC	"	ND	----	1970	"	"	"	"	"	
delta-BHC	"	ND	----	1970	"	"	"	"	"	
gamma-BHC (Lindane)	"	ND	----	1970	"	"	"	"	"	
alpha-Chlordane	"	ND	----	1970	"	"	"	"	"	
Chlordane (tech)	"	ND	----	44100	"	"	"	"	"	
gamma-Chlordane	"	ND	----	1970	"	"	"	"	"	
4,4'-DDD	"	ND	----	1970	"	"	"	"	"	
4,4'-DDE	"	ND	----	1970	"	"	"	"	"	
4,4'-DDT	"	ND	----	9850	"	50x	"	"	08/29/07 20:47	<b>RL1</b>
Dieldrin	"	ND	----	1970	"	10x	"	"	08/29/07 23:59	
Endosulfan I	"	ND	----	1970	"	"	"	"	"	
Endosulfan II	"	ND	----	1970	"	"	"	"	"	
Endosulfan sulfate	"	ND	----	1970	"	"	"	"	"	
Endrin	"	ND	----	1970	"	"	"	"	"	
Endrin aldehyde	"	ND	----	1970	"	"	"	"	"	
Endrin ketone	"	ND	----	1970	"	"	"	"	"	
Heptachlor	"	ND	----	1970	"	"	"	"	"	
Heptachlor epoxide	"	ND	----	1970	"	"	"	"	"	
Methoxychlor	"	ND	----	9850	"	50x	"	"	08/29/07 20:47	<b>RL1</b>
Toxaphene	"	ND	----	58800	"	10x	"	"	08/29/07 23:59	

Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene

109%

36 - 140 %

"

"

**PQH0767-05RE1 (Q-5)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-05RE1 (Q-5)</b>		<b>Soil</b>					<b>Sampled: 08/16/07 14:00</b>			
Aroclor 1016	8081A/8082	ND	----	979	ug/kg wet	1x	7081488	08/30/07 17:30	08/31/07 01:45	
Aroclor 1221	"	ND	----	1970	"	"	"	"	"	
Aroclor 1232	"	ND	----	979	"	"	"	"	"	
Aroclor 1242	"	ND	----	979	"	"	"	"	"	
<b>Aroclor 1248</b>	"	<b>5860</b>	----	979	"	"	"	"	"	
Aroclor 1254	"	ND	----	979	"	"	"	"	"	
<b>Aroclor 1260</b>	"	<b>6170</b>	----	979	"	"	"	"	"	

Surrogate(s): Decachlorobiphenyl

70.7%

16 - 149 %

"

"

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Chlorinated Herbicides per EPA Method 8151A Modified**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes	
<b>PQH0767-01RE1 (Q-1)</b>		<b>Soil</b>		<b>Sampled: 08/16/07 14:50</b>							<b>H</b>
2,4-D	8151mod	ND	----	200	ug/l	10x	7090058	09/04/07 11:26	09/05/07 12:05		
2,4-DB	"	ND	----	200	"	"	"	"	"	C	
2,4,5-T	"	ND	----	200	"	"	"	"	"		
2,4,5-TP (Silvex)	"	ND	----	200	"	"	"	"	"		
Dalapon	"	ND	----	200	"	"	"	"	"	C	
Dicamba	"	ND	----	200	"	"	"	"	"		
Dichlorprop	"	ND	----	200	"	"	"	"	"		
Dinoseb	"	ND	----	400	"	20x	"	"	09/05/07 23:22	C	
MCPA	"	ND	----	20000	"	10x	"	"	09/05/07 12:05		
MCPP	"	ND	----	20000	"	"	"	"	"		

Surrogate(s): 2,4-Dichlorophenylacetic acid 143% 30 - 140 % 1x " Z2

<b>PQH0767-02RE1 (Q-2)</b>		<b>Soil</b>		<b>Sampled: 08/16/07 13:30</b>							<b>H</b>
2,4-D	8151mod	ND	----	200	ug/l	10x	7090058	09/04/07 11:26	09/05/07 12:29		
2,4-DB	"	ND	----	200	"	"	"	"	"	C	
2,4,5-T	"	ND	----	200	"	"	"	"	"		
2,4,5-TP (Silvex)	"	ND	----	200	"	"	"	"	"		
Dalapon	"	ND	----	200	"	"	"	"	"	C	
Dicamba	"	ND	----	200	"	"	"	"	"		
Dichlorprop	"	ND	----	200	"	"	"	"	"		
Dinoseb	"	ND	----	400	"	20x	"	"	09/05/07 23:46	C	
MCPA	"	ND	----	20000	"	10x	"	"	09/05/07 12:29		
MCPP	"	ND	----	20000	"	"	"	"	"		

Surrogate(s): 2,4-Dichlorophenylacetic acid 143% 30 - 140 % 1x " Z2

<b>PQH0767-03RE1 (Q-3)</b>		<b>Soil</b>		<b>Sampled: 08/16/07 11:25</b>							<b>H</b>
2,4-D	8151mod	ND	----	200	ug/l	10x	7090058	09/04/07 11:26	09/05/07 12:54		
2,4-DB	"	ND	----	200	"	"	"	"	"	C	
2,4,5-T	"	ND	----	200	"	"	"	"	"		
2,4,5-TP (Silvex)	"	ND	----	200	"	"	"	"	"		
Dalapon	"	ND	----	200	"	"	"	"	"	C	
Dicamba	"	ND	----	200	"	"	"	"	"		
Dichlorprop	"	ND	----	200	"	"	"	"	"		
Dinoseb	"	ND	----	400	"	20x	"	"	09/06/07 00:10	C	
MCPA	"	ND	----	20000	"	10x	"	"	09/05/07 12:54		
MCPP	"	ND	----	20000	"	"	"	"	"		

Surrogate(s): 2,4-Dichlorophenylacetic acid 151% 30 - 140 % 1x " Z2

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Chlorinated Herbicides per EPA Method 8151A Modified**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes	
<b>PQH0767-04RE1 (Q-4)</b>		<b>Soil</b>		<b>Sampled: 08/16/07 16:15</b>							<b>H</b>
2,4-D	8151mod	ND	----	200	ug/l	10x	7090058	09/04/07 11:26	09/05/07 13:19		
2,4-DB	"	ND	----	200	"	"	"	"	"	C	
2,4,5-T	"	ND	----	200	"	"	"	"	"		
2,4,5-TP (Silvex)	"	ND	----	200	"	"	"	"	"		
Dalapon	"	ND	----	200	"	"	"	"	"	C	
Dicamba	"	ND	----	200	"	"	"	"	"		
Dichlorprop	"	ND	----	200	"	"	"	"	"		
Dinoseb	"	ND	----	400	"	20x	"	"	09/06/07 00:34	C	
MCPA	"	ND	----	20000	"	10x	"	"	09/05/07 13:19		
MCPP	"	ND	----	20000	"	"	"	"	"		

Surrogate(s): 2,4-Dichlorophenylacetic acid 97.8% 30 - 140 % 1x "

<b>PQH0767-05RE1 (Q-5)</b>		<b>Soil</b>		<b>Sampled: 08/16/07 14:00</b>							<b>H</b>
2,4-D	8151mod	ND	----	200	ug/l	10x	7090058	09/04/07 11:26	09/05/07 13:43		
2,4-DB	"	ND	----	200	"	"	"	"	"	C	
2,4,5-T	"	ND	----	200	"	"	"	"	"		
2,4,5-TP (Silvex)	"	ND	----	200	"	"	"	"	"		
Dalapon	"	ND	----	200	"	"	"	"	"	C	
Dicamba	"	ND	----	200	"	"	"	"	"		
Dichlorprop	"	ND	----	200	"	"	"	"	"		
Dinoseb	"	ND	----	400	"	20x	"	"	09/06/07 00:59	C	
MCPA	"	ND	----	20000	"	10x	"	"	09/05/07 13:43		
MCPP	"	ND	----	20000	"	"	"	"	"		

Surrogate(s): 2,4-Dichlorophenylacetic acid 137% 30 - 140 % 1x "

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Semivolatile Organic Compounds per EPA Method 8270C**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-01 (Q-1)</b>		<b>Soil</b>					<b>Sampled: 08/16/07 14:50</b>			<b>RL3</b>
Acenaphthene	EPA 8270C	ND	----	1500	mg/kg wet	10x	7081295	08/28/07 14:30	09/04/07 17:26	
Acenaphthylene	"	ND	----	1500	"	"	"	"	"	
Anthracene	"	ND	----	1500	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	1500	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	1500	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	1500	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	1500	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	1500	"	"	"	"	"	
Benzoic Acid	"	ND	----	3000	"	"	"	"	"	
Benzyl alcohol	"	ND	----	1500	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	----	1500	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	----	1500	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	----	1500	"	"	"	"	"	
4-Chloroaniline	"	ND	----	6000	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	----	1500	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	----	1500	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	----	1500	"	"	"	"	"	
2-Chloronaphthalene	"	ND	----	1500	"	"	"	"	"	
2-Chlorophenol	"	ND	----	1500	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	----	1500	"	"	"	"	"	
Chrysene	"	ND	----	1500	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	----	3000	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	----	1500	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	----	1500	"	"	"	"	"	
Dibenzofuran	"	ND	----	1500	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	----	3000	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	3000	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	3000	"	"	"	"	"	
3,3'-Dichlorobenzidine	"	ND	----	3000	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	----	1500	"	"	"	"	"	
Diethyl phthalate	"	ND	----	1500	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	----	3000	"	"	"	"	"	
Dimethyl phthalate	"	ND	----	1500	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	----	3000	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	----	6000	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	----	1500	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	----	1500	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	----	6000	"	"	"	"	"	
Fluoranthene	"	ND	----	1500	"	"	"	"	"	
Fluorene	"	ND	----	1500	"	"	"	"	"	
Hexachlorobenzene	"	ND	----	1500	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	3000	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	----	3000	"	"	"	"	"	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Semivolatile Organic Compounds per EPA Method 8270C**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	-------	----------	----------	-------

**PQH0767-01 (Q-1) Soil Sampled: 08/16/07 14:50 RL3**

Hexachloroethane	EPA 8270C	ND	----	3000	mg/kg wet	10x	7081295	08/28/07 14:30	09/04/07 17:26	
Indeno (1,2,3-cd) pyrene	"	ND	----	1500	"	"	"	"	"	
Isophorone	"	ND	----	1500	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	1500	"	"	"	"	"	
2-Methylphenol	"	ND	----	1500	"	"	"	"	"	
3-,4-Methylphenol	"	ND	----	1500	"	"	"	"	"	
Naphthalene	"	ND	----	1500	"	"	"	"	"	
2-Nitroaniline	"	ND	----	1500	"	"	"	"	"	
3-Nitroaniline	"	ND	----	3000	"	"	"	"	"	
4-Nitroaniline	"	ND	----	1500	"	"	"	"	"	
Nitrobenzene	"	ND	----	1500	"	"	"	"	"	
2-Nitrophenol	"	ND	----	1500	"	"	"	"	"	
4-Nitrophenol	"	ND	----	3000	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	----	1500	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	----	1500	"	"	"	"	"	
Pentachlorophenol	"	ND	----	3000	"	"	"	"	"	
Phenanthrene	"	ND	----	1500	"	"	"	"	"	
Phenol	"	ND	----	1500	"	"	"	"	"	
Pyrene	"	ND	----	1500	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	1500	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	----	1500	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	----	1500	"	"	"	"	"	

<i>Surrogate(s):</i>	<i>2-Fluorobiphenyl</i>	<i>125%</i>		<i>20 - 150 %</i>						
	<i>2-Fluorophenol</i>	<i>130%</i>		<i>10 - 150 %</i>						
	<i>Nitrobenzene-d5</i>	<i>118%</i>		<i>20 - 150 %</i>						
	<i>Phenol-d6</i>	<i>146%</i>		<i>10 - 150 %</i>						
	<i>p-Terphenyl-d14</i>	<i>93.6%</i>		<i>20 - 150 %</i>						<b>Z3</b>
	<i>2,4,6-Tribromophenol</i>	<i>66.8%</i>		<i>10 - 150 %</i>						

**PQH0767-02 (Q-2) Soil Sampled: 08/16/07 13:30 RL3**

Acenaphthene	EPA 8270C	ND	----	1470	mg/kg wet	10x	7081295	08/28/07 14:30	09/04/07 18:09	
Acenaphthylene	"	ND	----	1470	"	"	"	"	"	
Anthracene	"	ND	----	1470	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	1470	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	1470	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	1470	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	1470	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	1470	"	"	"	"	"	
Benzoic Acid	"	ND	----	2940	"	"	"	"	"	
Benzyl alcohol	"	ND	----	1470	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	----	1470	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	----	1470	"	"	"	"	"	

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*Howard B. Holmes*

Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Semivolatile Organic Compounds per EPA Method 8270C**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-02 (Q-2)</b>										<b>RL3</b>
		<b>Soil</b>					<b>Sampled: 08/16/07 13:30</b>			
4-Chloro-3-methylphenol	EPA 8270C	ND	----	1470	mg/kg wet	10x	7081295	08/28/07 14:30	09/04/07 18:09	
4-Chloroaniline	"	ND	----	5880	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	----	1470	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	----	1470	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	----	1470	"	"	"	"	"	
2-Chloronaphthalene	"	ND	----	1470	"	"	"	"	"	
2-Chlorophenol	"	ND	----	1470	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	----	1470	"	"	"	"	"	
Chrysene	"	ND	----	1470	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	----	2940	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	----	1470	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	----	1470	"	"	"	"	"	
Dibenzofuran	"	ND	----	1470	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	----	2940	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	2940	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	2940	"	"	"	"	"	
3,3'-Dichlorobenzidine	"	ND	----	2940	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	----	1470	"	"	"	"	"	
Diethyl phthalate	"	ND	----	1470	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	----	2940	"	"	"	"	"	
Dimethyl phthalate	"	ND	----	1470	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	----	2940	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	----	5880	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	----	1470	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	----	1470	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	----	5880	"	"	"	"	"	
Fluoranthene	"	ND	----	1470	"	"	"	"	"	
Fluorene	"	ND	----	1470	"	"	"	"	"	
Hexachlorobenzene	"	ND	----	1470	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	2940	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	----	2940	"	"	"	"	"	
Hexachloroethane	"	ND	----	2940	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	1470	"	"	"	"	"	
Isophorone	"	ND	----	1470	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	1470	"	"	"	"	"	
2-Methylphenol	"	ND	----	1470	"	"	"	"	"	
3-,4-Methylphenol	"	ND	----	1470	"	"	"	"	"	
Naphthalene	"	ND	----	1470	"	"	"	"	"	
2-Nitroaniline	"	ND	----	1470	"	"	"	"	"	
3-Nitroaniline	"	ND	----	2940	"	"	"	"	"	
4-Nitroaniline	"	ND	----	1470	"	"	"	"	"	
Nitrobenzene	"	ND	----	1470	"	"	"	"	"	
2-Nitrophenol	"	ND	----	1470	"	"	"	"	"	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Semivolatile Organic Compounds per EPA Method 8270C**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-02 (Q-2)</b>										<b>RL3</b>
		<b>Soil</b>					<b>Sampled: 08/16/07 13:30</b>			
4-Nitrophenol	EPA 8270C	ND	----	2940	mg/kg wet	10x	7081295	08/28/07 14:30	09/04/07 18:09	
N-Nitrosodi-n-propylamine	"	ND	----	1470	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	----	1470	"	"	"	"	"	
Pentachlorophenol	"	ND	----	2940	"	"	"	"	"	
Phenanthrene	"	ND	----	1470	"	"	"	"	"	
Phenol	"	ND	----	1470	"	"	"	"	"	
Pyrene	"	ND	----	1470	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	1470	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	----	1470	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	----	1470	"	"	"	"	"	

<i>Surrogate(s):</i>										
2-Fluorobiphenyl		127%		20 - 150 %		"			"	
2-Fluorophenol		119%		10 - 150 %		"			"	
Nitrobenzene-d5		122%		20 - 150 %		"			"	
Phenol-d6		135%		10 - 150 %		"			"	
p-Terphenyl-d14		89.6%		20 - 150 %		"			"	<b>Z3</b>
2,4,6-Tribromophenol		74.4%		10 - 150 %		"			"	

<b>PQH0767-03 (Q-3)</b>										<b>RL3</b>
		<b>Soil</b>					<b>Sampled: 08/16/07 11:25</b>			
Acenaphthene	EPA 8270C	ND	----	1490	mg/kg wet	10x	7081295	08/28/07 14:30	09/04/07 18:52	
Acenaphthylene	"	ND	----	1490	"	"	"	"	"	
Anthracene	"	ND	----	1490	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	1490	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	1490	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	1490	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	1490	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	1490	"	"	"	"	"	
Benzoic Acid	"	ND	----	2970	"	"	"	"	"	
Benzyl alcohol	"	ND	----	1490	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	----	1490	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	----	1490	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	----	1490	"	"	"	"	"	
4-Chloroaniline	"	ND	----	5940	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	----	1490	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	----	1490	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	----	1490	"	"	"	"	"	
2-Chloronaphthalene	"	ND	----	1490	"	"	"	"	"	
2-Chlorophenol	"	ND	----	1490	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	----	1490	"	"	"	"	"	
Chrysene	"	ND	----	1490	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	----	2970	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	----	1490	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	----	1490	"	"	"	"	"	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Semivolatile Organic Compounds per EPA Method 8270C**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-03 (Q-3)</b>		<b>Soil</b>					<b>Sampled: 08/16/07 11:25</b>			<b>RL3</b>
Dibenzofuran	EPA 8270C	ND	----	1490	mg/kg wet	10x	7081295	08/28/07 14:30	09/04/07 18:52	
1,2-Dichlorobenzene	"	ND	----	2970	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	2970	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	2970	"	"	"	"	"	
3,3'-Dichlorobenzidine	"	ND	----	2970	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	----	1490	"	"	"	"	"	
Diethyl phthalate	"	ND	----	1490	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	----	2970	"	"	"	"	"	
Dimethyl phthalate	"	ND	----	1490	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	----	2970	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	----	5940	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	----	1490	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	----	1490	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	----	5940	"	"	"	"	"	
Fluoranthene	"	ND	----	1490	"	"	"	"	"	
Fluorene	"	ND	----	1490	"	"	"	"	"	
Hexachlorobenzene	"	ND	----	1490	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	2970	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	----	2970	"	"	"	"	"	
Hexachloroethane	"	ND	----	2970	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	1490	"	"	"	"	"	
Isophorone	"	ND	----	1490	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	1490	"	"	"	"	"	
2-Methylphenol	"	ND	----	1490	"	"	"	"	"	
3-,4-Methylphenol	"	ND	----	1490	"	"	"	"	"	
Naphthalene	"	ND	----	1490	"	"	"	"	"	
2-Nitroaniline	"	ND	----	1490	"	"	"	"	"	
3-Nitroaniline	"	ND	----	2970	"	"	"	"	"	
4-Nitroaniline	"	ND	----	1490	"	"	"	"	"	
Nitrobenzene	"	ND	----	1490	"	"	"	"	"	
2-Nitrophenol	"	ND	----	1490	"	"	"	"	"	
4-Nitrophenol	"	ND	----	2970	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	----	1490	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	----	1490	"	"	"	"	"	
Pentachlorophenol	"	ND	----	2970	"	"	"	"	"	
Phenanthrene	"	ND	----	1490	"	"	"	"	"	
Phenol	"	ND	----	1490	"	"	"	"	"	
Pyrene	"	ND	----	1490	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	1490	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	----	1490	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	----	1490	"	"	"	"	"	

Surrogate(s): 2-Fluorobiphenyl

125%

20 - 150 %

"

"

TestAmerica - Portland, OR



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**Coles Environmental**

750 S. Rosemont Rd.  
West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Semivolatile Organic Compounds per EPA Method 8270C**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-03 (Q-3)</b>		<b>Soil</b>							<b>Sampled: 08/16/07 11:25</b>	<b>RL3</b>
2-Fluorophenol		114%		10 - 150 %		10x			09/04/07 18:52	
Nitrobenzene-d5		118%		20 - 150 %		"			"	
Phenol-d6		136%		10 - 150 %		"			"	
p-Terphenyl-d14		84.0%		20 - 150 %		"			"	Z3
2,4,6-Tribromophenol		67.4%		10 - 150 %		"			"	
<b>PQH0767-04 (Q-4)</b>		<b>Soil</b>							<b>Sampled: 08/16/07 16:15</b>	<b>RL3</b>
Acenaphthene	EPA 8270C	ND	----	1490	mg/kg wet	10x	7081295	08/28/07 14:30	09/04/07 19:35	
Acenaphthylene	"	ND	----	1490	"	"	"	"	"	
Anthracene	"	ND	----	1490	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	1490	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	1490	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	1490	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	1490	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	1490	"	"	"	"	"	
Benzoic Acid	"	ND	----	2970	"	"	"	"	"	
Benzyl alcohol	"	ND	----	1490	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	----	1490	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	----	1490	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	----	1490	"	"	"	"	"	
4-Chloroaniline	"	ND	----	5940	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	----	1490	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	----	1490	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	----	1490	"	"	"	"	"	
2-Chloronaphthalene	"	ND	----	1490	"	"	"	"	"	
2-Chlorophenol	"	ND	----	1490	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	----	1490	"	"	"	"	"	
Chrysene	"	ND	----	1490	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	----	2970	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	----	1490	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	----	1490	"	"	"	"	"	
Dibenzofuran	"	ND	----	1490	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	----	2970	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	2970	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	2970	"	"	"	"	"	
3,3'-Dichlorobenzidine	"	ND	----	2970	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	----	1490	"	"	"	"	"	
Diethyl phthalate	"	ND	----	1490	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	----	2970	"	"	"	"	"	
Dimethyl phthalate	"	ND	----	1490	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	----	2970	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	----	5940	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	----	1490	"	"	"	"	"	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Semivolatile Organic Compounds per EPA Method 8270C**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-04 (Q-4)</b>		<b>Soil</b>					<b>Sampled: 08/16/07 16:15</b>			<b>RL3</b>
2,6-Dinitrotoluene	EPA 8270C	ND	----	1490	mg/kg wet	10x	7081295	08/28/07 14:30	09/04/07 19:35	
Bis(2-ethylhexyl)phthalate	"	ND	----	5940	"	"	"	"	"	
Fluoranthene	"	ND	----	1490	"	"	"	"	"	
Fluorene	"	ND	----	1490	"	"	"	"	"	
Hexachlorobenzene	"	ND	----	1490	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	2970	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	----	2970	"	"	"	"	"	
Hexachloroethane	"	ND	----	2970	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	1490	"	"	"	"	"	
Isophorone	"	ND	----	1490	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	1490	"	"	"	"	"	
2-Methylphenol	"	ND	----	1490	"	"	"	"	"	
3-,4-Methylphenol	"	ND	----	1490	"	"	"	"	"	
Naphthalene	"	ND	----	1490	"	"	"	"	"	
2-Nitroaniline	"	ND	----	1490	"	"	"	"	"	
3-Nitroaniline	"	ND	----	2970	"	"	"	"	"	
4-Nitroaniline	"	ND	----	1490	"	"	"	"	"	
Nitrobenzene	"	ND	----	1490	"	"	"	"	"	
2-Nitrophenol	"	ND	----	1490	"	"	"	"	"	
4-Nitrophenol	"	ND	----	2970	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	----	1490	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	----	1490	"	"	"	"	"	
Pentachlorophenol	"	ND	----	2970	"	"	"	"	"	
Phenanthrene	"	ND	----	1490	"	"	"	"	"	
Phenol	"	ND	----	1490	"	"	"	"	"	
Pyrene	"	ND	----	1490	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	1490	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	----	1490	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	----	1490	"	"	"	"	"	
<i>Surrogate(s): 2-Fluorobiphenyl</i>				123%		20 - 150 %	"			"
<i>2-Fluorophenol</i>				113%		10 - 150 %	"			"
<i>Nitrobenzene-d5</i>				111%		20 - 150 %	"			"
<i>Phenol-d6</i>				127%		10 - 150 %	"			"
<i>p-Terphenyl-d14</i>				108%		20 - 150 %	"			"
<i>2,4,6-Tribromophenol</i>				56.0%		10 - 150 %	"			"

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Semivolatile Organic Compounds per EPA Method 8270C**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-05 (Q-5)</b>		<b>Soil</b>					<b>Sampled: 08/16/07 14:00</b>			<b>RL3</b>
Acenaphthene	EPA 8270C	ND	----	1440	mg/kg wet	10x	7081295	08/28/07 14:30	09/04/07 20:19	
Acenaphthylene	"	ND	----	1440	"	"	"	"	"	
Anthracene	"	ND	----	1440	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	1440	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	1440	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	1440	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	1440	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	1440	"	"	"	"	"	
Benzoic Acid	"	ND	----	2880	"	"	"	"	"	
Benzyl alcohol	"	ND	----	1440	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	----	1440	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	----	1440	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	----	1440	"	"	"	"	"	
4-Chloroaniline	"	ND	----	5770	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	----	1440	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	----	1440	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	----	1440	"	"	"	"	"	
2-Chloronaphthalene	"	ND	----	1440	"	"	"	"	"	
2-Chlorophenol	"	ND	----	1440	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	----	1440	"	"	"	"	"	
Chrysene	"	ND	----	1440	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	----	2880	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	----	1440	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	----	1440	"	"	"	"	"	
Dibenzofuran	"	ND	----	1440	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	----	2880	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	2880	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	2880	"	"	"	"	"	
3,3'-Dichlorobenzidine	"	ND	----	2880	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	----	1440	"	"	"	"	"	
Diethyl phthalate	"	ND	----	1440	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	----	2880	"	"	"	"	"	
Dimethyl phthalate	"	ND	----	1440	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	----	2880	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	----	5770	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	----	1440	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	----	1440	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	----	5770	"	"	"	"	"	
Fluoranthene	"	ND	----	1440	"	"	"	"	"	
Fluorene	"	ND	----	1440	"	"	"	"	"	
Hexachlorobenzene	"	ND	----	1440	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	2880	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	----	2880	"	"	"	"	"	

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Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Semivolatile Organic Compounds per EPA Method 8270C**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-05 (Q-5)</b>		<b>Soil</b>					<b>Sampled: 08/16/07 14:00</b>			<b>RL3</b>
Hexachloroethane	EPA 8270C	ND	----	2880	mg/kg wet	10x	7081295	08/28/07 14:30	09/04/07 20:19	
Indeno (1,2,3-cd) pyrene	"	ND	----	1440	"	"	"	"	"	
Isophorone	"	ND	----	1440	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	1440	"	"	"	"	"	
2-Methylphenol	"	ND	----	1440	"	"	"	"	"	
3-,4-Methylphenol	"	ND	----	1440	"	"	"	"	"	
Naphthalene	"	ND	----	1440	"	"	"	"	"	
2-Nitroaniline	"	ND	----	1440	"	"	"	"	"	
3-Nitroaniline	"	ND	----	2880	"	"	"	"	"	
4-Nitroaniline	"	ND	----	1440	"	"	"	"	"	
Nitrobenzene	"	ND	----	1440	"	"	"	"	"	
2-Nitrophenol	"	ND	----	1440	"	"	"	"	"	
4-Nitrophenol	"	ND	----	2880	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	----	1440	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	----	1440	"	"	"	"	"	
Pentachlorophenol	"	ND	----	2880	"	"	"	"	"	
Phenanthrene	"	ND	----	1440	"	"	"	"	"	
Phenol	"	ND	----	1440	"	"	"	"	"	
Pyrene	"	ND	----	1440	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	1440	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	----	1440	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	----	1440	"	"	"	"	"	
<i>Surrogate(s):</i>										
2-Fluorobiphenyl			135%		20 - 150 %	"				
2-Fluorophenol			115%		10 - 150 %	"				
Nitrobenzene-d5			117%		20 - 150 %	"				
Phenol-d6			128%		10 - 150 %	"				
p-Terphenyl-d14			96.0%		20 - 150 %	"				<b>Z3</b>
2,4,6-Tribromophenol			81.1%		10 - 150 %	"				

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Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**TCLP Pesticides per EPA Method 1311/8081A**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-01 (Q-1)</b>		<b>Soil</b>								<b>H8</b>
<b>Sampled: 08/16/07 14:50</b>										
gamma-BHC (Lindane)	1311/8081A	ND	----	0.000500	mg/l	1x	7100068	10/02/07 15:20	10/03/07 16:08	
Chlordane (tech)	"	ND	----	0.00625	"	"	"	"	"	
Endrin	"	ND	----	0.000500	"	"	"	"	"	
Heptachlor	"	ND	----	0.000500	"	"	"	"	"	
Heptachlor epoxide	"	ND	----	0.000500	"	"	"	"	"	
Methoxychlor	"	ND	----	0.000500	"	"	"	"	"	
Toxaphene	"	ND	----	0.0625	"	"	"	"	"	

Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene 96.3% 30 - 140 % " "

<b>PQH0767-02 (Q-2)</b>		<b>Soil</b>								<b>H8</b>
<b>Sampled: 08/16/07 13:30</b>										
gamma-BHC (Lindane)	1311/8081A	ND	----	0.000400	mg/l	1x	7100068	10/02/07 15:20	10/03/07 16:33	
Chlordane (tech)	"	ND	----	0.00500	"	"	"	"	"	
Endrin	"	ND	----	0.000400	"	"	"	"	"	
Heptachlor	"	ND	----	0.000400	"	"	"	"	"	
Heptachlor epoxide	"	ND	----	0.000400	"	"	"	"	"	
Methoxychlor	"	ND	----	0.000400	"	"	"	"	"	
Toxaphene	"	ND	----	0.0500	"	"	"	"	"	

Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene 160% 30 - 140 % " ZX

<b>PQH0767-03 (Q-3)</b>		<b>Soil</b>								<b>H8</b>
<b>Sampled: 08/16/07 11:25</b>										
gamma-BHC (Lindane)	1311/8081A	ND	----	0.000400	mg/l	1x	7100068	10/02/07 15:20	10/03/07 16:59	
Chlordane (tech)	"	ND	----	0.00500	"	"	"	"	"	
Endrin	"	ND	----	0.000400	"	"	"	"	"	
Heptachlor	"	ND	----	0.000400	"	"	"	"	"	
Heptachlor epoxide	"	ND	----	0.000400	"	"	"	"	"	
Methoxychlor	"	ND	----	0.000400	"	"	"	"	"	
Toxaphene	"	ND	----	0.0500	"	"	"	"	"	

Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene 104% 30 - 140 % " "

<b>PQH0767-04 (Q-4)</b>		<b>Soil</b>								<b>H8</b>
<b>Sampled: 08/16/07 16:15</b>										
gamma-BHC (Lindane)	1311/8081A	ND	----	0.000400	mg/l	1x	7100068	10/02/07 15:20	10/03/07 17:25	
Chlordane (tech)	"	ND	----	0.00500	"	"	"	"	"	
Endrin	"	ND	----	0.000400	"	"	"	"	"	
Heptachlor	"	ND	----	0.000400	"	"	"	"	"	
Heptachlor epoxide	"	ND	----	0.000400	"	"	"	"	"	
Methoxychlor	"	ND	----	0.000400	"	"	"	"	"	
Toxaphene	"	ND	----	0.0500	"	"	"	"	"	

Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene 101% 30 - 140 % " "

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**TCLP Pesticides per EPA Method 1311/8081A**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-05 (Q-5)</b>		<b>Soil</b>					<b>Sampled: 08/16/07 14:00</b>			<b>H8</b>
gamma-BHC (Lindane)	1311/8081A	ND	----	0.000400	mg/l	1x	7100068	10/02/07 15:20	10/03/07 17:51	
Chlordane (tech)	"	ND	----	0.00500	"	"	"	"	"	
Endrin	"	ND	----	0.000400	"	"	"	"	"	
Heptachlor	"	ND	----	0.000400	"	"	"	"	"	
Heptachlor epoxide	"	ND	----	0.000400	"	"	"	"	"	
Methoxychlor	"	ND	----	0.000400	"	"	"	"	"	
Toxaphene	"	ND	----	0.0500	"	"	"	"	"	

Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene 118% 30 - 140 % "

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750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**TCLP Semivolatiles per EPA Method 1311/8270**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-01 (Q-1)</b>			<b>Soil</b>				<b>Sampled: 08/16/07 14:50</b>			<b>RL3, H8</b>
1,4-Dichlorobenzene	1311/8270	ND	----	0.200	mg/l	4x	7100022	10/01/07 15:00	10/02/07 19:27	
2,4-Dinitrotoluene	"	ND	----	0.200	"	"	"	"	"	
Hexachlorobenzene	"	ND	----	0.200	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	0.200	"	"	"	"	"	
Hexachloroethane	"	ND	----	0.200	"	"	"	"	"	
Nitrobenzene	"	ND	----	0.200	"	"	"	"	"	
Pentachlorophenol	"	ND	----	0.400	"	"	"	"	"	
Pyridine	"	ND	----	0.800	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	----	0.200	"	"	"	"	"	
<b>Total Cresols</b>		<b>1.84</b>	----	0.400	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	----	0.200	"	"	"	"	"	

<i>Surrogate(s):</i>										
2-Fluorophenol		51.9%		7 - 116 %	"					"
Phenol-d6		29.8%		1 - 114 %	"					"
2,4,6-Tribromophenol		101%		33 - 150 %	"					"
Nitrobenzene-d5		76.4%		29 - 140 %	"					"
2-Fluorobiphenyl		77.0%		12 - 135 %	"					"
p-Terphenyl-d14		84.9%		47 - 138 %	"					"

<b>PQH0767-02 (Q-2)</b>			<b>Soil</b>				<b>Sampled: 08/16/07 13:30</b>			<b>H8, RL3</b>
1,4-Dichlorobenzene	1311/8270	ND	----	0.150	mg/l	3x	7100022	10/01/07 15:00	10/02/07 20:12	
2,4-Dinitrotoluene	"	ND	----	0.150	"	"	"	"	"	
Hexachlorobenzene	"	ND	----	0.150	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	0.150	"	"	"	"	"	
Hexachloroethane	"	ND	----	0.150	"	"	"	"	"	
Nitrobenzene	"	ND	----	0.150	"	"	"	"	"	
Pentachlorophenol	"	ND	----	0.300	"	"	"	"	"	
Pyridine	"	ND	----	0.600	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	----	0.150	"	"	"	"	"	
<b>Total Cresols</b>		<b>1.50</b>	----	0.300	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	----	0.150	"	"	"	"	"	

<i>Surrogate(s):</i>										
2-Fluorophenol		48.0%		7 - 116 %	"					"
Phenol-d6		30.1%		1 - 114 %	"					"
2,4,6-Tribromophenol		94.8%		33 - 150 %	"					"
Nitrobenzene-d5		80.4%		29 - 140 %	"					"
2-Fluorobiphenyl		76.6%		12 - 135 %	"					"
p-Terphenyl-d14		83.3%		47 - 138 %	"					"

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Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**TCLP Semivolatiles per EPA Method 1311/8270**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-03 (Q-3)</b>		<b>Soil</b>					<b>Sampled: 08/16/07 11:25</b>			<b>RL3, H8</b>
1,4-Dichlorobenzene	1311/8270	ND	----	0.250	mg/l	5x	7100022	10/01/07 15:00	10/02/07 23:03	
2,4-Dinitrotoluene	"	ND	----	0.250	"	"	"	"	"	
Hexachlorobenzene	"	ND	----	0.250	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	0.250	"	"	"	"	"	
Hexachloroethane	"	ND	----	0.250	"	"	"	"	"	
Nitrobenzene	"	ND	----	0.250	"	"	"	"	"	
Pentachlorophenol	"	ND	----	0.500	"	"	"	"	"	
Pyridine	"	ND	----	1.00	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	----	0.250	"	"	"	"	"	
<b>Total Cresols</b>		<b>3.64</b>	----	0.500	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	----	0.250	"	"	"	"	"	

<i>Surrogate(s):</i>										
2-Fluorophenol		48.2%			7 - 116 %	"				"
Phenol-d6		32.7%			1 - 114 %	"				"
2,4,6-Tribromophenol		97.9%			33 - 150 %	"				"
Nitrobenzene-d5		85.1%			29 - 140 %	"				"
2-Fluorobiphenyl		79.7%			12 - 135 %	"				"
p-Terphenyl-d14		91.4%			47 - 138 %	"				"

<b>PQH0767-04 (Q-4)</b>		<b>Soil</b>					<b>Sampled: 08/16/07 16:15</b>			<b>RL3, H8</b>
1,4-Dichlorobenzene	1311/8270	ND	----	0.200	mg/l	4x	7100022	10/01/07 15:00	10/02/07 23:49	
2,4-Dinitrotoluene	"	ND	----	0.200	"	"	"	"	"	
Hexachlorobenzene	"	ND	----	0.200	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	0.200	"	"	"	"	"	
Hexachloroethane	"	ND	----	0.200	"	"	"	"	"	
Nitrobenzene	"	ND	----	0.200	"	"	"	"	"	
Pentachlorophenol	"	ND	----	0.400	"	"	"	"	"	
Pyridine	"	ND	----	0.800	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	----	0.200	"	"	"	"	"	
<b>Total Cresols</b>		<b>2.48</b>	----	0.400	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	----	0.200	"	"	"	"	"	

<i>Surrogate(s):</i>										
2-Fluorophenol		49.0%			7 - 116 %	"				"
Phenol-d6		29.8%			1 - 114 %	"				"
2,4,6-Tribromophenol		90.0%			33 - 150 %	"				"
Nitrobenzene-d5		79.5%			29 - 140 %	"				"
2-Fluorobiphenyl		77.4%			12 - 135 %	"				"
p-Terphenyl-d14		85.8%			47 - 138 %	"				"

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**TCLP Semivolatiles per EPA Method 1311/8270**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-05 (Q-5)</b>		<b>Soil</b>					<b>Sampled: 08/16/07 14:00</b>			<b>RL3, H8</b>
1,4-Dichlorobenzene	1311/8270	ND	----	0.200	mg/l	4x	7100022	10/01/07 15:00	10/03/07 00:35	
2,4-Dinitrotoluene	"	ND	----	0.200	"	"	"	"	"	"
Hexachlorobenzene	"	ND	----	0.200	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	----	0.200	"	"	"	"	"	"
Hexachloroethane	"	ND	----	0.200	"	"	"	"	"	"
Nitrobenzene	"	ND	----	0.200	"	"	"	"	"	"
Pentachlorophenol	"	ND	----	0.400	"	"	"	"	"	"
Pyridine	"	ND	----	0.800	"	"	"	"	"	"
2,4,5-Trichlorophenol	"	ND	----	0.200	"	"	"	"	"	"
<b>Total Cresols</b>		<b>1.42</b>	----	0.400	"	"	"	"	"	"
2,4,6-Trichlorophenol	"	ND	----	0.200	"	"	"	"	"	"
<i>Surrogate(s):</i>										
	<i>2-Fluorophenol</i>			<i>49.0%</i>		<i>7 - 116 %</i>	<i>"</i>			<i>"</i>
	<i>Phenol-d6</i>			<i>29.6%</i>		<i>1 - 114 %</i>	<i>"</i>			<i>"</i>
	<i>2,4,6-Tribromophenol</i>			<i>93.6%</i>		<i>33 - 150 %</i>	<i>"</i>			<i>"</i>
	<i>Nitrobenzene-d5</i>			<i>79.6%</i>		<i>29 - 140 %</i>	<i>"</i>			<i>"</i>
	<i>2-Fluorobiphenyl</i>			<i>74.4%</i>		<i>12 - 135 %</i>	<i>"</i>			<i>"</i>
	<i>p-Terphenyl-d14</i>			<i>84.6%</i>		<i>47 - 138 %</i>	<i>"</i>			<i>"</i>

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Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Conventional Chemistry Parameters per APHA/EPA Methods**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-01 (Q-1)</b>		<b>Soil</b>								<b>Sampled: 08/16/07 14:50</b>
pH	EPA 9045B	7.01	----		pH Units	1x	7080872	08/20/07 10:41	08/20/07 12:51	
<b>PQH0767-02 (Q-2)</b>		<b>Soil</b>								<b>Sampled: 08/16/07 13:30</b>
pH	EPA 9045B	6.87	----		pH Units	1x	7080872	08/20/07 10:41	08/20/07 12:51	
<b>PQH0767-03 (Q-3)</b>		<b>Soil</b>								<b>Sampled: 08/16/07 11:25</b>
pH	EPA 9045B	7.13	----		pH Units	1x	7080872	08/20/07 10:41	08/20/07 12:51	
<b>PQH0767-04 (Q-4)</b>		<b>Soil</b>								<b>Sampled: 08/16/07 16:15</b>
pH	EPA 9045B	7.34	----		pH Units	1x	7080872	08/20/07 10:41	08/20/07 12:51	
<b>PQH0767-05 (Q-5)</b>		<b>Soil</b>								<b>Sampled: 08/16/07 14:00</b>
pH	EPA 9045B	7.00	----		pH Units	1x	7080872	08/20/07 10:41	08/20/07 12:51	

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 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Physical Parameters per APHA/ASTM/EPA Methods**

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-01 (Q-1)</b>		<b>Soil</b>						<b>Sampled: 08/16/07 14:50</b>		
Corrosivity	EPA 9040B	<b>7.01</b>	----		pH Units	1x	7080872	08/20/07 10:41	08/20/07 12:51	
Flashpoint	EPA 1010	ND	----	150	°F	"	7081270	08/27/07 13:48	08/27/07 18:48	
<b>PQH0767-02 (Q-2)</b>		<b>Soil</b>						<b>Sampled: 08/16/07 13:30</b>		
Corrosivity	EPA 9040B	<b>6.87</b>	----		pH Units	1x	7080872	08/20/07 10:41	08/20/07 12:51	
Flashpoint	EPA 1010	ND	----	150	°F	"	7081270	08/27/07 13:48	08/27/07 18:48	
<b>PQH0767-03 (Q-3)</b>		<b>Soil</b>						<b>Sampled: 08/16/07 11:25</b>		
Corrosivity	EPA 9040B	<b>7.13</b>	----		pH Units	1x	7080872	08/20/07 10:41	08/20/07 12:51	
Flashpoint	EPA 1010	ND	----	150	°F	"	7081270	08/27/07 13:48	08/27/07 18:48	
<b>PQH0767-04 (Q-4)</b>		<b>Soil</b>						<b>Sampled: 08/16/07 16:15</b>		
Corrosivity	EPA 9040B	<b>7.34</b>	----		pH Units	1x	7080872	08/20/07 10:41	08/20/07 12:51	
Flashpoint	EPA 1010	ND	----	150	°F	"	7081270	08/27/07 13:48	08/27/07 18:48	
<b>PQH0767-05 (Q-5)</b>		<b>Soil</b>						<b>Sampled: 08/16/07 14:00</b>		
Corrosivity	EPA 9040B	<b>7.00</b>	----		pH Units	1x	7080872	08/20/07 10:41	08/20/07 12:51	
Flashpoint	EPA 1010	ND	----	150	°F	"	7081270	08/27/07 13:48	08/27/07 18:48	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**TCLP Extraction Only**  
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-01 (Q-1)</b>		<b>Soil</b>								<b>Sampled: 08/16/07 14:50</b>
Extraction	EPA 1311	ND	----	1.00	N/A	1x	7091053	09/25/07 17:17	09/26/07 18:09	
<b>PQH0767-02 (Q-2)</b>		<b>Soil</b>								<b>Sampled: 08/16/07 13:30</b>
Extraction	EPA 1311	ND	----	1.00	N/A	1x	7091053	09/25/07 17:17	09/26/07 18:09	
<b>PQH0767-03 (Q-3)</b>		<b>Soil</b>								<b>Sampled: 08/16/07 11:25</b>
Extraction	EPA 1311	ND	----	1.00	N/A	1x	7091053	09/25/07 17:17	09/26/07 18:09	
<b>PQH0767-04 (Q-4)</b>		<b>Soil</b>								<b>Sampled: 08/16/07 16:15</b>
Extraction	EPA 1311	ND	----	1.00	N/A	1x	7091053	09/25/07 17:17	09/26/07 18:09	
<b>PQH0767-05 (Q-5)</b>		<b>Soil</b>								<b>Sampled: 08/16/07 14:00</b>
Extraction	EPA 1311	ND	----	1.00	N/A	1x	7091053	09/25/07 17:17	09/26/07 18:09	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Total Metals by EPA 6000/7000 Series Methods**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-01 (Q-1)</b>		<b>Soil</b>		<b>Sampled: 08/16/07 14:50</b>						
Arsenic	EPA 6020	36.9	----	0.340	mg/kg wet	1x	7H28047	08/28/07 13:56	08/29/07 14:10	
Cadmium	"	13.9	----	0.340	"	"	"	"	"	
Mercury	EPA 7471A	2.69	----	0.390	"	4x	7H28052	08/28/07 16:12	08/29/07 14:53	
Selenium	EPA 6020	1.89	----	0.340	"	1x	7H28047	08/28/07 13:56	08/29/07 14:10	
Silver	"	1.85	----	0.340	"	"	"	"	"	
<b>PQH0767-01RE1 (Q-1)</b>		<b>Soil</b>		<b>Sampled: 08/16/07 14:50</b>						
Barium	EPA 6020	493	----	170	mg/kg wet	50x	7H28047	08/28/07 13:56	08/29/07 14:41	
Chromium	"	261	----	17.0	"	"	"	"	"	
Lead	"	2820	----	17.0	"	"	"	"	"	
<b>PQH0767-02 (Q-2)</b>		<b>Soil</b>		<b>Sampled: 08/16/07 13:30</b>						
Arsenic	EPA 6020	11.3	----	3.97	mg/kg wet	10x	7H28047	08/28/07 13:56	08/29/07 14:15	
Barium	"	617	----	39.7	"	"	"	"	"	
Cadmium	"	13.7	----	3.97	"	"	"	"	"	
Chromium	"	185	----	3.97	"	"	"	"	"	
Lead	"	784	----	3.97	"	"	"	"	"	
Mercury	EPA 7471A	2.12	----	0.192	"	2x	7H28052	08/28/07 16:12	08/29/07 14:33	
Selenium	EPA 6020	ND	----	3.97	"	10x	7H28047	08/28/07 13:56	08/29/07 14:15	
Silver	"	ND	----	3.97	"	"	"	"	"	
<b>PQH0767-03 (Q-3)</b>		<b>Soil</b>		<b>Sampled: 08/16/07 11:25</b>						
Arsenic	EPA 6020	10.7	----	4.07	mg/kg wet	10x	7H28047	08/28/07 13:56	08/29/07 14:22	
Barium	"	578	----	40.7	"	"	"	"	"	
Cadmium	"	5.16	----	4.07	"	"	"	"	"	
Chromium	"	132	----	4.07	"	"	"	"	"	
Lead	"	503	----	4.07	"	"	"	"	"	
Mercury	EPA 7471A	1.18	----	0.0974	"	1x	7H28052	08/28/07 16:12	08/29/07 14:28	
Selenium	EPA 6020	ND	----	4.07	"	10x	7H28047	08/28/07 13:56	08/29/07 14:22	
Silver	"	ND	----	4.07	"	"	"	"	"	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Total Metals by EPA 6000/7000 Series Methods**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-04 (Q-4)</b>		<b>Soil</b>			<b>Sampled: 08/16/07 16:15</b>					
Arsenic	EPA 6020	<b>14.5</b>	----	4.50	mg/kg wet	10x	7H28047	08/28/07 13:56	08/29/07 14:29	
Barium	"	<b>632</b>	----	45.0	"	"	"	"	"	
Cadmium	"	<b>7.66</b>	----	4.50	"	"	"	"	"	
Chromium	"	<b>176</b>	----	4.50	"	"	"	"	"	
Lead	"	<b>1040</b>	----	4.50	"	"	"	"	"	
Mercury	EPA 7471A	<b>2.22</b>	----	0.172	"	2x	7H28052	08/28/07 16:12	08/29/07 14:38	
Selenium	EPA 6020	ND	----	4.50	"	10x	7H28047	08/28/07 13:56	08/29/07 14:29	
Silver	"	ND	----	4.50	"	"	"	"	"	
<b>PQH0767-05 (Q-5)</b>		<b>Soil</b>			<b>Sampled: 08/16/07 14:00</b>					
Arsenic	EPA 6020	<b>12.1</b>	----	4.72	mg/kg wet	10x	7H28047	08/28/07 13:56	08/29/07 14:35	
Barium	"	<b>845</b>	----	47.2	"	"	"	"	"	
Cadmium	"	ND	----	4.72	"	"	"	"	"	
Chromium	"	<b>162</b>	----	4.72	"	"	"	"	"	
Lead	"	<b>733</b>	----	4.72	"	"	"	"	"	
Mercury	EPA 7471A	<b>1.64</b>	----	0.156	"	2x	7H28052	08/28/07 16:12	08/29/07 14:38	
Selenium	EPA 6020	ND	----	4.72	"	10x	7H28047	08/28/07 13:56	08/29/07 14:35	
Silver	"	ND	----	4.72	"	"	"	"	"	
<b>PQH0767-06 (Field Rinsate)</b>		<b>Water</b>			<b>Sampled: 08/16/07 13:45</b>					
Arsenic	EPA 6020	ND	----	0.00100	mg/l	1x	7H28007	08/28/07 09:11	08/31/07 08:13	
Barium	"	ND	----	0.0100	"	"	"	"	"	
Cadmium	"	ND	----	0.00100	"	"	"	"	"	
Chromium	"	ND	----	0.00100	"	"	"	"	"	
Lead	"	ND	----	0.00100	"	"	"	"	"	
Mercury	EPA 7470A	ND	----	0.000200	"	"	7H27015	08/27/07 10:30	08/27/07 14:24	
Selenium	EPA 6020	ND	----	0.00100	"	"	7H28007	08/28/07 09:11	08/31/07 08:13	
Silver	"	ND	----	0.00100	"	"	"	"	"	

TestAmerica - Portland, OR



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**Coles Environmental**

750 S. Rosemont Rd.  
West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Volatile Organic Compounds (Special List) by EPA Method 8260B**

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-01 (Q-1)</b>										
		<b>Soil</b>					<b>Sampled: 08/16/07 14:50</b>			
<b>Acetone</b>	EPA 8260B	<b>18.3</b>	----	0.670	mg/kg wet	1x	7H29025	08/30/07 09:39	08/30/07 14:02	
<b>Benzene</b>	"	<b>8.29</b>	----	0.0670	"	"	"	"	"	
Bromobenzene	"	ND	----	0.0670	"	"	"	"	"	
Bromochloromethane	"	ND	----	0.0670	"	"	"	"	"	
Bromodichloromethane	"	ND	----	0.0670	"	"	"	"	"	
Bromoform	"	ND	----	0.0670	"	"	"	"	"	
Bromomethane	"	ND	----	0.0670	"	"	"	"	"	
<b>2-Butanone</b>	"	<b>7.50</b>	----	0.670	"	"	"	"	"	
<b>n-Butylbenzene</b>	"	<b>1.62</b>	----	0.0670	"	"	"	"	"	
<b>sec-Butylbenzene</b>	"	<b>0.838</b>	----	0.0670	"	"	"	"	"	
<b>tert-Butylbenzene</b>	"	<b>0.0985</b>	----	0.0670	"	"	"	"	"	
Carbon disulfide	"	ND	----	0.0670	"	"	"	"	"	
Carbon tetrachloride	"	ND	----	0.0670	"	"	"	"	"	
Chlorobenzene	"	ND	----	0.0670	"	"	"	"	"	
Chloroethane	"	ND	----	0.0670	"	"	"	"	"	
Chloroform	"	ND	----	0.0670	"	"	"	"	"	
Chloromethane	"	ND	----	0.335	"	"	"	"	"	
<b>2-Chlorotoluene</b>	"	<b>0.873</b>	----	0.0670	"	"	"	"	"	
4-Chlorotoluene	"	ND	----	0.0670	"	"	"	"	"	
Dibromochloromethane	"	ND	----	0.0670	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	----	0.335	"	"	"	"	"	
1,2-Dibromoethane	"	ND	----	0.0670	"	"	"	"	"	
Dibromomethane	"	ND	----	0.0670	"	"	"	"	"	C
<b>1,2-Dichlorobenzene</b>	"	<b>1.91</b>	----	0.0670	"	"	"	"	"	
<b>1,3-Dichlorobenzene</b>	"	<b>0.0818</b>	----	0.0670	"	"	"	"	"	
<b>1,4-Dichlorobenzene</b>	"	<b>0.199</b>	----	0.0670	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	----	0.0670	"	"	"	"	"	
<b>1,2-Dichloroethane</b>	"	<b>2.42</b>	----	0.0670	"	"	"	"	"	
<b>1,1-Dichloroethene</b>	"	<b>0.190</b>	----	0.0670	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	----	0.0670	"	"	"	"	"	
1,2-Dichloropropane	"	ND	----	0.0670	"	"	"	"	"	
1,3-Dichloropropane	"	ND	----	0.0670	"	"	"	"	"	
2,2-Dichloropropane	"	ND	----	0.0670	"	"	"	"	"	
1,1-Dichloropropene	"	ND	----	0.0670	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	----	0.0670	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	----	0.0670	"	"	"	"	"	
<b>Ethylbenzene</b>	"	<b>12.1</b>	----	0.0670	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	0.335	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	"	<b>1.85</b>	----	0.335	"	"	"	"	"	
<b>n-Hexane</b>	"	<b>2.90</b>	----	0.670	"	"	"	"	"	
2-Hexanone	"	ND	----	0.670	"	"	"	"	"	
<b>Isopropylbenzene</b>	"	<b>2.27</b>	----	0.0670	"	"	"	"	"	

TestAmerica - Portland, OR



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**Coles Environmental**

750 S. Rosemont Rd.  
West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Volatile Organic Compounds (Special List) by EPA Method 8260B**  
TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-01 (Q-1)</b>			<b>Soil</b>		<b>Sampled: 08/16/07 14:50</b>					
<b>p-Isopropyltoluene</b>	EPA 8260B	<b>4.99</b>	----	0.0670	mg/kg wet	1x	7H29025	08/30/07 09:39	08/30/07 14:02	
<b>4-Methyl-2-pentanone</b>	"	<b>31.1</b>	----	0.670	"	"	"	"	"	
<b>Methylene chloride</b>	"	<b>11.5</b>	----	0.670	"	"	"	"	"	
<b>Naphthalene</b>	"	<b>42.4</b>	----	0.335	"	"	"	"	"	
<b>n-Propylbenzene</b>	"	<b>5.09</b>	----	0.0670	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	----	0.335	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	0.335	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	----	0.0670	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	----	0.0670	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	----	0.0670	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	----	0.0670	"	"	"	"	"	
<b>Trichloroethene</b>	"	<b>9.48</b>	----	0.0670	"	"	"	"	"	
Trichlorofluoromethane	"	ND	----	0.0670	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	----	0.0670	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	"	<b>5.69</b>	----	0.0670	"	"	"	"	"	
<b>Vinyl chloride</b>	"	<b>3.54</b>	----	0.0670	"	"	"	"	"	

<i>Surrogate(s):</i> 1,2-DCA-d4	101%	75 - 125 %	"	"
Toluene-d8	96.4%	75 - 125 %	"	"
4-BFB	103%	75 - 125 %	"	"

<b>PQH0767-01RE1 (Q-1)</b>			<b>Soil</b>		<b>Sampled: 08/16/07 14:50</b>					
<b>Acetone</b>	EPA 8260B	<b>19.7</b>	----	6.70	mg/kg wet	10x	7H29025	08/30/07 09:39	08/30/07 14:57	
<b>1,1-Dichloroethane</b>	"	<b>16.4</b>	----	0.670	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	"	<b>128</b>	----	0.670	"	"	"	"	"	
<b>Styrene</b>	"	<b>19.2</b>	----	0.670	"	"	"	"	"	
<b>Tetrachloroethene</b>	"	<b>17.1</b>	----	0.670	"	"	"	"	"	
<b>Toluene</b>	"	<b>118</b>	----	0.670	"	"	"	"	"	
<b>Total Xylenes</b>	"	<b>97.5</b>	----	2.01	"	"	"	"	"	

<i>Surrogate(s):</i> 1,2-DCA-d4	99.4%	75 - 125 %	1x	"
Toluene-d8	94.2%	75 - 125 %	"	"
4-BFB	103%	75 - 125 %	"	"

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Volatile Organic Compounds (Special List) by EPA Method 8260B**  
TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-02 (Q-2)</b>			<b>Soil</b>		<b>Sampled: 08/16/07 13:30</b>					<b>RL7</b>
Acetone	EPA 8260B	<b>44.3</b>	----	6.91	mg/kg wet	10x	7H29025	08/30/07 09:39	08/30/07 15:24	
Benzene	"	<b>5.30</b>	----	0.691	"	"	"	"	"	
Bromobenzene	"	ND	----	0.691	"	"	"	"	"	
Bromochloromethane	"	ND	----	0.691	"	"	"	"	"	
Bromodichloromethane	"	ND	----	0.691	"	"	"	"	"	
Bromoform	"	ND	----	0.691	"	"	"	"	"	
Bromomethane	"	ND	----	0.691	"	"	"	"	"	
<b>2-Butanone</b>	"	<b>18.4</b>	----	6.91	"	"	"	"	"	
n-Butylbenzene	"	ND	----	0.691	"	"	"	"	"	
sec-Butylbenzene	"	ND	----	0.691	"	"	"	"	"	
tert-Butylbenzene	"	ND	----	0.691	"	"	"	"	"	
Carbon disulfide	"	ND	----	0.691	"	"	"	"	"	
Carbon tetrachloride	"	ND	----	0.691	"	"	"	"	"	
Chlorobenzene	"	ND	----	0.691	"	"	"	"	"	
Chloroethane	"	ND	----	0.691	"	"	"	"	"	
Chloroform	"	ND	----	0.691	"	"	"	"	"	
Chloromethane	"	ND	----	3.45	"	"	"	"	"	
2-Chlorotoluene	"	ND	----	0.691	"	"	"	"	"	
4-Chlorotoluene	"	ND	----	0.691	"	"	"	"	"	
Dibromochloromethane	"	ND	----	0.691	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	----	3.45	"	"	"	"	"	
1,2-Dibromoethane	"	ND	----	0.691	"	"	"	"	"	
Dibromomethane	"	ND	----	0.691	"	"	"	"	"	C
<b>1,2-Dichlorobenzene</b>	"	<b>0.746</b>	----	0.691	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	0.691	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	0.691	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	----	0.691	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	"	<b>19.5</b>	----	0.691	"	"	"	"	"	
<b>1,2-Dichloroethane</b>	"	<b>2.14</b>	----	0.691	"	"	"	"	"	
1,1-Dichloroethene	"	ND	----	0.691	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	"	<b>91.2</b>	----	0.691	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	----	0.691	"	"	"	"	"	
1,2-Dichloropropane	"	ND	----	0.691	"	"	"	"	"	
1,3-Dichloropropane	"	ND	----	0.691	"	"	"	"	"	
2,2-Dichloropropane	"	ND	----	0.691	"	"	"	"	"	
1,1-Dichloropropene	"	ND	----	0.691	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	----	0.691	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	----	0.691	"	"	"	"	"	
<b>Ethylbenzene</b>	"	<b>8.90</b>	----	0.691	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	3.45	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	3.45	"	"	"	"	"	
n-Hexane	"	ND	----	6.91	"	"	"	"	"	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Volatile Organic Compounds (Special List) by EPA Method 8260B**  
TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-02 (Q-2)</b>		<b>Soil</b>								<b>RL7</b>
		<b>Sampled: 08/16/07 13:30</b>								
2-Hexanone	EPA 8260B	ND	----	6.91	mg/kg wet	10x	7H29025	08/30/07 09:39	08/30/07 15:24	
<b>Isopropylbenzene</b>	"	<b>1.17</b>	----	0.691	"	"	"	"	"	
<b>p-Isopropyltoluene</b>	"	<b>0.787</b>	----	0.691	"	"	"	"	"	
<b>4-Methyl-2-pentanone</b>	"	<b>20.5</b>	----	6.91	"	"	"	"	"	
<b>Methylene chloride</b>	"	<b>102</b>	----	6.91	"	"	"	"	"	
<b>Naphthalene</b>	"	<b>13.4</b>	----	3.45	"	"	"	"	"	
<b>n-Propylbenzene</b>	"	<b>2.49</b>	----	0.691	"	"	"	"	"	
<b>Styrene</b>	"	<b>11.3</b>	----	0.691	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	----	3.45	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	3.45	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	----	0.691	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	----	0.691	"	"	"	"	"	
<b>Tetrachloroethene</b>	"	<b>4.53</b>	----	0.691	"	"	"	"	"	
<b>Toluene</b>	"	<b>86.2</b>	----	0.691	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	----	0.691	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	----	0.691	"	"	"	"	"	
<b>Trichloroethene</b>	"	<b>8.69</b>	----	0.691	"	"	"	"	"	
Trichlorofluoromethane	"	ND	----	0.691	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	----	0.691	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	"	<b>12.2</b>	----	0.691	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	"	<b>3.34</b>	----	0.691	"	"	"	"	"	
<b>Vinyl chloride</b>	"	<b>10.4</b>	----	0.691	"	"	"	"	"	
<b>Total Xylenes</b>	"	<b>42.7</b>	----	2.07	"	"	"	"	"	
<i>Surrogate(s):</i>										
	<i>1,2-DCA-d4</i>		<i>100%</i>		<i>75 - 125 %</i>	<i>1x</i>				<i>"</i>
	<i>Toluene-d8</i>		<i>93.9%</i>		<i>75 - 125 %</i>	<i>"</i>				<i>"</i>
	<i>4-BFB</i>		<i>102%</i>		<i>75 - 125 %</i>	<i>"</i>				<i>"</i>

<b>PQH0767-03 (Q-3)</b>		<b>Soil</b>								<b>RL7</b>
		<b>Sampled: 08/16/07 11:25</b>								
<b>Acetone</b>	EPA 8260B	<b>42.5</b>	----	7.97	mg/kg wet	10x	7H29025	08/30/07 09:39	08/30/07 15:51	
<b>Benzene</b>	"	<b>3.46</b>	----	0.797	"	"	"	"	"	
Bromobenzene	"	ND	----	0.797	"	"	"	"	"	
Bromochloromethane	"	ND	----	0.797	"	"	"	"	"	
Bromodichloromethane	"	ND	----	0.797	"	"	"	"	"	
Bromoform	"	ND	----	0.797	"	"	"	"	"	
Bromomethane	"	ND	----	0.797	"	"	"	"	"	
<b>2-Butanone</b>	"	<b>13.4</b>	----	7.97	"	"	"	"	"	
n-Butylbenzene	"	ND	----	0.797	"	"	"	"	"	
sec-Butylbenzene	"	ND	----	0.797	"	"	"	"	"	
tert-Butylbenzene	"	ND	----	0.797	"	"	"	"	"	
Carbon disulfide	"	ND	----	0.797	"	"	"	"	"	
Carbon tetrachloride	"	ND	----	0.797	"	"	"	"	"	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Volatile Organic Compounds (Special List) by EPA Method 8260B**  
TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-03 (Q-3)</b>		<b>Soil</b>								<b>RL7</b>
		<b>Sampled: 08/16/07 11:25</b>								
Chlorobenzene	EPA 8260B	ND	----	0.797	mg/kg wet	10x	7H29025	08/30/07 09:39	08/30/07 15:51	
Chloroethane	"	ND	----	0.797	"	"	"	"	"	
Chloroform	"	ND	----	0.797	"	"	"	"	"	
Chloromethane	"	ND	----	3.99	"	"	"	"	"	
2-Chlorotoluene	"	ND	----	0.797	"	"	"	"	"	
4-Chlorotoluene	"	ND	----	0.797	"	"	"	"	"	
Dibromochloromethane	"	ND	----	0.797	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	----	3.99	"	"	"	"	"	
1,2-Dibromoethane	"	ND	----	0.797	"	"	"	"	"	
Dibromomethane	"	ND	----	0.797	"	"	"	"	"	C
<b>1,2-Dichlorobenzene</b>	"	<b>1.23</b>	----	0.797	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	0.797	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	0.797	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	----	0.797	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	"	<b>23.1</b>	----	0.797	"	"	"	"	"	
<b>1,2-Dichloroethane</b>	"	<b>1.18</b>	----	0.797	"	"	"	"	"	
1,1-Dichloroethene	"	ND	----	0.797	"	"	"	"	"	
<b>cis-1,2-Dichloroethene</b>	"	<b>18.6</b>	----	0.797	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	----	0.797	"	"	"	"	"	
1,2-Dichloropropane	"	ND	----	0.797	"	"	"	"	"	
1,3-Dichloropropane	"	ND	----	0.797	"	"	"	"	"	
2,2-Dichloropropane	"	ND	----	0.797	"	"	"	"	"	
1,1-Dichloropropene	"	ND	----	0.797	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	----	0.797	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	----	0.797	"	"	"	"	"	
<b>Ethylbenzene</b>	"	<b>5.80</b>	----	0.797	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	3.99	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	3.99	"	"	"	"	"	
n-Hexane	"	ND	----	7.97	"	"	"	"	"	
2-Hexanone	"	ND	----	7.97	"	"	"	"	"	
Isopropylbenzene	"	ND	----	0.797	"	"	"	"	"	
<b>p-Isopropyltoluene</b>	"	<b>2.02</b>	----	0.797	"	"	"	"	"	
<b>4-Methyl-2-pentanone</b>	"	<b>24.4</b>	----	7.97	"	"	"	"	"	
<b>Methylene chloride</b>	"	<b>98.3</b>	----	7.97	"	"	"	"	"	
<b>Naphthalene</b>	"	<b>10.6</b>	----	3.99	"	"	"	"	"	
<b>n-Propylbenzene</b>	"	<b>1.67</b>	----	0.797	"	"	"	"	"	
Styrene	"	ND	----	0.797	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	----	3.99	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	3.99	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	----	0.797	"	"	"	"	"	
1,1,1,2,2-Tetrachloroethane	"	ND	----	0.797	"	"	"	"	"	
<b>Tetrachloroethene</b>	"	<b>18.7</b>	----	0.797	"	"	"	"	"	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Volatile Organic Compounds (Special List) by EPA Method 8260B**  
TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-03 (Q-3)</b>		<b>Soil</b>								<b>RL7</b>
		<b>Sampled: 08/16/07 11:25</b>								
<b>Toluene</b>	EPA 8260B	<b>46.0</b>	----	0.797	mg/kg wet	10x	7H29025	08/30/07 09:39	08/30/07 15:51	
1,1,1-Trichloroethane	"	ND	----	0.797	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	----	0.797	"	"	"	"	"	
<b>Trichloroethene</b>	"	<b>17.6</b>	----	0.797	"	"	"	"	"	
Trichlorofluoromethane	"	ND	----	0.797	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	----	0.797	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	"	<b>9.53</b>	----	0.797	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	"	<b>2.71</b>	----	0.797	"	"	"	"	"	
<b>Vinyl chloride</b>	"	<b>0.805</b>	----	0.797	"	"	"	"	"	
<b>Total Xylenes</b>	"	<b>29.2</b>	----	2.39	"	"	"	"	"	
<i>Surrogate(s):</i>										
<i>1,2-DCA-d4</i>			101%		75 - 125 %	1x				"
<i>Toluene-d8</i>			94.3%		75 - 125 %	"				"
<i>4-BFB</i>			101%		75 - 125 %	"				"

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-04 (Q-4)</b>		<b>Soil</b>								<b>RL7</b>
		<b>Sampled: 08/16/07 16:15</b>								
<b>Acetone</b>	EPA 8260B	<b>23.1</b>	----	7.05	mg/kg wet	10x	7H29025	08/30/07 09:39	08/30/07 16:19	
<b>Benzene</b>	"	<b>3.79</b>	----	0.705	"	"	"	"	"	
Bromobenzene	"	ND	----	0.705	"	"	"	"	"	
Bromochloromethane	"	ND	----	0.705	"	"	"	"	"	
Bromodichloromethane	"	ND	----	0.705	"	"	"	"	"	
Bromoform	"	ND	----	0.705	"	"	"	"	"	
Bromomethane	"	ND	----	0.705	"	"	"	"	"	
<b>2-Butanone</b>	"	<b>7.77</b>	----	7.05	"	"	"	"	"	
n-Butylbenzene	"	ND	----	0.705	"	"	"	"	"	
sec-Butylbenzene	"	ND	----	0.705	"	"	"	"	"	
tert-Butylbenzene	"	ND	----	0.705	"	"	"	"	"	
Carbon disulfide	"	ND	----	0.705	"	"	"	"	"	
Carbon tetrachloride	"	ND	----	0.705	"	"	"	"	"	
Chlorobenzene	"	ND	----	0.705	"	"	"	"	"	
Chloroethane	"	ND	----	0.705	"	"	"	"	"	
Chloroform	"	ND	----	0.705	"	"	"	"	"	
Chloromethane	"	ND	----	3.53	"	"	"	"	"	
2-Chlorotoluene	"	ND	----	0.705	"	"	"	"	"	
4-Chlorotoluene	"	ND	----	0.705	"	"	"	"	"	
Dibromochloromethane	"	ND	----	0.705	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	----	3.53	"	"	"	"	"	
1,2-Dibromoethane	"	ND	----	0.705	"	"	"	"	"	
Dibromomethane	"	ND	----	0.705	"	"	"	"	"	C
1,2-Dichlorobenzene	"	ND	----	0.705	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	0.705	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	0.705	"	"	"	"	"	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Volatile Organic Compounds (Special List) by EPA Method 8260B**  
 TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes	
<b>PQH0767-04 (Q-4)</b>											
		<b>Soil</b>									
						<b>Sampled: 08/16/07 16:15</b>					<b>RL7</b>
Dichlorodifluoromethane	EPA 8260B	ND	----	0.705	mg/kg wet	10x	7H29025	08/30/07 09:39	08/30/07 16:19		
<b>1,1-Dichloroethane</b>	"	<b>9.52</b>	----	0.705	"	"	"	"	"		
<b>1,2-Dichloroethane</b>	"	<b>1.39</b>	----	0.705	"	"	"	"	"		
1,1-Dichloroethene	"	ND	----	0.705	"	"	"	"	"		
<b>cis-1,2-Dichloroethene</b>	"	<b>9.63</b>	----	0.705	"	"	"	"	"		
trans-1,2-Dichloroethene	"	ND	----	0.705	"	"	"	"	"		
1,2-Dichloropropane	"	ND	----	0.705	"	"	"	"	"		
1,3-Dichloropropane	"	ND	----	0.705	"	"	"	"	"		
2,2-Dichloropropane	"	ND	----	0.705	"	"	"	"	"		
1,1-Dichloropropene	"	ND	----	0.705	"	"	"	"	"		
cis-1,3-Dichloropropene	"	ND	----	0.705	"	"	"	"	"		
trans-1,3-Dichloropropene	"	ND	----	0.705	"	"	"	"	"		
<b>Ethylbenzene</b>	"	<b>6.03</b>	----	0.705	"	"	"	"	"		
Hexachlorobutadiene	"	ND	----	3.53	"	"	"	"	"		
Methyl tert-butyl ether	"	ND	----	3.53	"	"	"	"	"		
n-Hexane	"	ND	----	7.05	"	"	"	"	"		
2-Hexanone	"	ND	----	7.05	"	"	"	"	"		
<b>Isopropylbenzene</b>	"	<b>0.733</b>	----	0.705	"	"	"	"	"		
p-Isopropyltoluene	"	ND	----	0.705	"	"	"	"	"		
<b>4-Methyl-2-pentanone</b>	"	<b>11.6</b>	----	7.05	"	"	"	"	"		
<b>Methylene chloride</b>	"	<b>60.8</b>	----	7.05	"	"	"	"	"		
<b>Naphthalene</b>	"	<b>14.2</b>	----	3.53	"	"	"	"	"		
<b>n-Propylbenzene</b>	"	<b>1.66</b>	----	0.705	"	"	"	"	"		
<b>Styrene</b>	"	<b>5.75</b>	----	0.705	"	"	"	"	"		
1,2,3-Trichlorobenzene	"	ND	----	3.53	"	"	"	"	"		
1,2,4-Trichlorobenzene	"	ND	----	3.53	"	"	"	"	"		
1,1,1,2-Tetrachloroethane	"	ND	----	0.705	"	"	"	"	"		
1,1,1,2-Tetrachloroethane	"	ND	----	0.705	"	"	"	"	"		
<b>Tetrachloroethene</b>	"	<b>4.51</b>	----	0.705	"	"	"	"	"		
<b>Toluene</b>	"	<b>49.9</b>	----	0.705	"	"	"	"	"		
1,1,1-Trichloroethane	"	ND	----	0.705	"	"	"	"	"		
1,1,2-Trichloroethane	"	ND	----	0.705	"	"	"	"	"		
<b>Trichloroethene</b>	"	<b>5.71</b>	----	0.705	"	"	"	"	"		
Trichlorofluoromethane	"	ND	----	0.705	"	"	"	"	"		
1,2,3-Trichloropropane	"	ND	----	0.705	"	"	"	"	"		
<b>1,2,4-Trimethylbenzene</b>	"	<b>9.32</b>	----	0.705	"	"	"	"	"		
<b>1,3,5-Trimethylbenzene</b>	"	<b>2.56</b>	----	0.705	"	"	"	"	"		
<b>Vinyl chloride</b>	"	<b>0.705</b>	----	0.705	"	"	"	"	"		
<b>Total Xylenes</b>	"	<b>29.9</b>	----	2.12	"	"	"	"	"		
<i>Surrogate(s): 1,2-DCA-d4</i>			103%		75 - 125 %	1x				"	
<i>Toluene-d8</i>			93.5%		75 - 125 %	"				"	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Volatile Organic Compounds (Special List) by EPA Method 8260B**

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-04 (Q-4)</b>		<b>Soil</b>					<b>Sampled: 08/16/07 16:15</b>			<b>RL7</b>
4-BFB			100%		75 - 125 %	1x			08/30/07 16:19	
<b>PQH0767-05 (Q-5)</b>		<b>Soil</b>					<b>Sampled: 08/16/07 14:00</b>			<b>RL7</b>
<b>Acetone</b>	EPA 8260B	<b>22.0</b>	----	7.55	mg/kg wet	10x	7H29025	08/30/07 09:39	08/30/07 16:46	
<b>Benzene</b>	"	<b>7.35</b>	----	0.755	"	"	"	"	"	
Bromobenzene	"	ND	----	0.755	"	"	"	"	"	
Bromochloromethane	"	ND	----	0.755	"	"	"	"	"	
Bromodichloromethane	"	ND	----	0.755	"	"	"	"	"	
Bromoform	"	ND	----	0.755	"	"	"	"	"	
Bromomethane	"	ND	----	0.755	"	"	"	"	"	
<b>2-Butanone</b>	"	<b>9.37</b>	----	7.55	"	"	"	"	"	
<b>n-Butylbenzene</b>	"	<b>0.884</b>	----	0.755	"	"	"	"	"	
sec-Butylbenzene	"	ND	----	0.755	"	"	"	"	"	
tert-Butylbenzene	"	ND	----	0.755	"	"	"	"	"	
Carbon disulfide	"	ND	----	0.755	"	"	"	"	"	
Carbon tetrachloride	"	ND	----	0.755	"	"	"	"	"	
Chlorobenzene	"	ND	----	0.755	"	"	"	"	"	
Chloroethane	"	ND	----	0.755	"	"	"	"	"	
Chloroform	"	ND	----	0.755	"	"	"	"	"	
Chloromethane	"	ND	----	3.78	"	"	"	"	"	
2-Chlorotoluene	"	ND	----	0.755	"	"	"	"	"	
4-Chlorotoluene	"	ND	----	0.755	"	"	"	"	"	
Dibromochloromethane	"	ND	----	0.755	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	----	3.78	"	"	"	"	"	
1,2-Dibromoethane	"	ND	----	0.755	"	"	"	"	"	
Dibromomethane	"	ND	----	0.755	"	"	"	"	"	C
<b>1,2-Dichlorobenzene</b>	"	<b>0.876</b>	----	0.755	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	0.755	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	0.755	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	----	0.755	"	"	"	"	"	
<b>1,1-Dichloroethane</b>	"	<b>24.0</b>	----	0.755	"	"	"	"	"	
<b>1,2-Dichloroethane</b>	"	<b>2.85</b>	----	0.755	"	"	"	"	"	
1,1-Dichloroethene	"	ND	----	0.755	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	----	0.755	"	"	"	"	"	
1,2-Dichloropropane	"	ND	----	0.755	"	"	"	"	"	
1,3-Dichloropropane	"	ND	----	0.755	"	"	"	"	"	
2,2-Dichloropropane	"	ND	----	0.755	"	"	"	"	"	
1,1-Dichloropropene	"	ND	----	0.755	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	----	0.755	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	----	0.755	"	"	"	"	"	
<b>Ethylbenzene</b>	"	<b>13.3</b>	----	0.755	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	3.78	"	"	"	"	"	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Volatile Organic Compounds (Special List) by EPA Method 8260B**  
TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-05 (Q-5)</b>		<b>Soil</b>			<b>Sampled: 08/16/07 14:00</b>					<b>RL7</b>
Methyl tert-butyl ether	EPA 8260B	ND	----	3.78	mg/kg wet	10x	7H29025	08/30/07 09:39	08/30/07 16:46	
n-Hexane	"	ND	----	7.55	"	"	"	"	"	
2-Hexanone	"	ND	----	7.55	"	"	"	"	"	
<b>Isopropylbenzene</b>	"	<b>1.56</b>	----	0.755	"	"	"	"	"	
p-Isopropyltoluene	"	ND	----	0.755	"	"	"	"	"	
<b>4-Methyl-2-pentanone</b>	"	<b>17.8</b>	----	7.55	"	"	"	"	"	
<b>Methylene chloride</b>	"	<b>28.3</b>	----	7.55	"	"	"	"	"	
<b>Naphthalene</b>	"	<b>23.4</b>	----	3.78	"	"	"	"	"	
<b>n-Propylbenzene</b>	"	<b>3.46</b>	----	0.755	"	"	"	"	"	
<b>Styrene</b>	"	<b>16.5</b>	----	0.755	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	----	3.78	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	3.78	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	----	0.755	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	----	0.755	"	"	"	"	"	
<b>Tetrachloroethene</b>	"	<b>8.07</b>	----	0.755	"	"	"	"	"	
<b>Toluene</b>	"	<b>106</b>	----	0.755	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	----	0.755	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	----	0.755	"	"	"	"	"	
<b>Trichloroethene</b>	"	<b>4.77</b>	----	0.755	"	"	"	"	"	
Trichlorofluoromethane	"	ND	----	0.755	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	----	0.755	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	"	<b>17.3</b>	----	0.755	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	"	<b>4.69</b>	----	0.755	"	"	"	"	"	
<b>Vinyl chloride</b>	"	<b>4.88</b>	----	0.755	"	"	"	"	"	
<b>Total Xylenes</b>	"	<b>59.7</b>	----	2.27	"	"	"	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>			100%		75 - 125 %	1x				"
<i>Toluene-d8</i>			94.8%		75 - 125 %	"				"
<i>4-BFB</i>			100%		75 - 125 %	"				"

<b>PQH0767-05RE1 (Q-5)</b>		<b>Soil</b>			<b>Sampled: 08/16/07 14:00</b>				
<b>cis-1,2-Dichloroethene</b>	EPA 8260B	<b>146</b>	----	1.51	mg/kg wet	20x	7H29025	08/30/07 09:39	08/30/07 19:03
<i>Surrogate(s): 1,2-DCA-d4</i>			98.7%		75 - 125 %	1x			"
<i>Toluene-d8</i>			95.2%		75 - 125 %	"			"
<i>4-BFB</i>			99.4%		75 - 125 %	"			"

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Volatile Organic Compounds by EPA Method 8260B**

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-06 (Field Rinsate)</b>										
		<b>Water</b>					<b>Sampled: 08/16/07 13:45</b>			
Acetone	EPA 8260B	ND	----	20.0	ug/l	1x	7H27050	08/27/07 10:51	08/27/07 19:03	
Benzene	"	ND	----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromoform	"	ND	----	1.00	"	"	"	"	"	
Bromomethane	"	ND	----	2.00	"	"	"	"	"	
2-Butanone	"	ND	----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	----	1.00	"	"	"	"	"	
Carbon tetrachloride	"	ND	----	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	----	1.00	"	"	"	"	"	
Chloroethane	"	ND	----	1.00	"	"	"	"	"	
1-Chlorohexane	"	ND	----	1.00	"	"	"	"	"	
Chloroform	"	ND	----	1.00	"	"	"	"	"	
Chloromethane	"	ND	----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	
Dibromochloromethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	----	5.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	----	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	2.00	"	"	"	"	"	
n-Hexane	"	ND	----	2.00	"	"	"	"	"	C

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Volatile Organic Compounds by EPA Method 8260B**

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-06 (Field Rinsate)</b>										
		<b>Water</b>								
										<b>Sampled: 08/16/07 13:45</b>
2-Hexanone	EPA 8260B	ND	----	10.0	ug/l	1x	7H27050	08/27/07 10:51	08/27/07 19:03	
Isopropylbenzene	"	ND	----	1.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	----	1.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	----	10.0	"	"	"	"	"	
Methylene chloride	"	ND	----	5.00	"	"	"	"	"	
Naphthalene	"	ND	----	5.00	"	"	"	"	"	
n-Propylbenzene	"	ND	----	1.00	"	"	"	"	"	
Styrene	"	ND	----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	----	5.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	5.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	----	1.00	"	"	"	"	"	
Toluene	"	ND	----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	----	1.00	"	"	"	"	"	
o-Xylene	"	ND	----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	----	2.00	"	"	"	"	"	
Total Xylenes	"	ND	----	3.00	"	"	"	"	"	

<i>Surrogate(s):</i>	<i>1,2-DCA-d4</i>	<i>83.9%</i>	<i>70 - 130 %</i>	<i>"</i>	<i>"</i>
	<i>Toluene-d8</i>	<i>99.2%</i>	<i>75 - 125 %</i>	<i>"</i>	<i>"</i>
	<i>4-BFB</i>	<i>98.6%</i>	<i>75 - 125 %</i>	<i>"</i>	<i>"</i>

<b>PQH0767-07 (Trip Blank)</b>										
		<b>Water</b>								
										<b>Sampled: 08/16/07 00:00</b>
Acetone	EPA 8260B	ND	----	20.0	ug/l	1x	7H27050	08/27/07 10:51	08/27/07 17:36	
Benzene	"	ND	----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromoform	"	ND	----	1.00	"	"	"	"	"	
Bromomethane	"	ND	----	2.00	"	"	"	"	"	
2-Butanone	"	ND	----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	----	1.00	"	"	"	"	"	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Volatile Organic Compounds by EPA Method 8260B**

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-07 (Trip Blank)</b>										
		<b>Water</b>					<b>Sampled: 08/16/07 00:00</b>			
Carbon tetrachloride	EPA 8260B	ND	----	1.00	ug/l	1x	7H27050	08/27/07 10:51	08/27/07 17:36	
Chlorobenzene	"	ND	----	1.00	"	"	"	"	"	
Chloroethane	"	ND	----	1.00	"	"	"	"	"	
1-Chlorohexane	"	ND	----	1.00	"	"	"	"	"	
Chloroform	"	ND	----	1.00	"	"	"	"	"	
Chloromethane	"	ND	----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	
Dibromochloromethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	----	5.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	----	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	2.00	"	"	"	"	"	
n-Hexane	"	ND	----	2.00	"	"	"	"	"	C
2-Hexanone	"	ND	----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	----	1.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	----	1.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	----	10.0	"	"	"	"	"	
Methylene chloride	"	ND	----	5.00	"	"	"	"	"	
Naphthalene	"	ND	----	5.00	"	"	"	"	"	
n-Propylbenzene	"	ND	----	1.00	"	"	"	"	"	
Styrene	"	ND	----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	----	5.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	5.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1,1,2,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:  
 10/11/07 08:06

**Volatile Organic Compounds by EPA Method 8260B**

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-07 (Trip Blank)</b>		<b>Water</b>		<b>Sampled: 08/16/07 00:00</b>						
Tetrachloroethene	EPA 8260B	ND	----	1.00	ug/l	1x	7H27050	08/27/07 10:51	08/27/07 17:36	
Toluene	"	ND	----	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	"
Trichloroethene	"	ND	----	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	----	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	----	1.00	"	"	"	"	"	"
o-Xylene	"	ND	----	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	----	2.00	"	"	"	"	"	"
Total Xylenes	"	ND	----	3.00	"	"	"	"	"	"
<i>Surrogate(s): 1,2-DCA-d4</i>				80.7%		70 - 130 %	"			"
<i>Toluene-d8</i>				100%		75 - 125 %	"			"
<i>4-BFB</i>				100%		75 - 125 %	"			"

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

## Inductively Coupled Plasma - Mass Spectrometry TCL

TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-01 (Q-1)</b>		<b>Soil</b>								<b>Sampled: 08/16/07 14:50</b>
Lead	6020 TCLP	<b>0.044</b>	----	0.040	mg/L	10x	23535	09/25/07 18:53	09/25/07 19:41	
Chromium	"	<b>0.060</b>	----	0.040	"	"	"	"	"	
<b>PQH0767-02 (Q-2)</b>		<b>Soil</b>								<b>Sampled: 08/16/07 13:30</b>
Lead	6020 TCLP	<b>0.098</b>	----	0.040	mg/L	10x	23535	09/25/07 18:53	09/25/07 19:47	
Chromium	"	ND	----	0.040	"	"	"	"	"	
<b>PQH0767-03 (Q-3)</b>		<b>Soil</b>								<b>Sampled: 08/16/07 11:25</b>
Lead	6020 TCLP	<b>0.15</b>	----	0.040	mg/L	10x	23535	09/25/07 18:53	09/25/07 19:53	
Chromium	"	<b>0.14</b>	----	0.040	"	"	"	"	"	
<b>PQH0767-04 (Q-4)</b>		<b>Soil</b>								<b>Sampled: 08/16/07 16:15</b>
Lead	6020 TCLP	ND	----	0.040	mg/L	10x	23535	09/25/07 18:53	09/25/07 20:00	
Chromium	"	<b>0.064</b>	----	0.040	"	"	"	"	"	
<b>PQH0767-05 (Q-5)</b>		<b>Soil</b>								<b>Sampled: 08/16/07 14:00</b>
Lead	6020 TCLP	ND	----	0.040	mg/L	10x	23535	09/25/07 18:53	09/25/07 18:32	
Chromium	"	ND	----	0.040	"	"	"	"	"	

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Volatile Organic Compounds by GC/MS TCLP**  
 TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-01 (Q-1)</b>		<b>Soil</b>			<b>Sampled: 08/16/07 14:50</b>					
Vinyl chloride	8260B TCLP	ND	----	0.50	mg/L	500x	23810	09/27/07 23:50	09/27/07 23:50	
1,1-Dichloroethene	"	ND	----	0.50	"	"	"	"	"	
2-Butanone	"	ND	----	2.5	"	"	"	"	"	
Chloroform	"	ND	----	0.50	"	"	"	"	"	
Carbon tetrachloride	"	ND	----	0.50	"	"	"	"	"	
Benzene	"	ND	----	0.50	"	"	"	"	"	
1,2-Dichloroethane	"	ND	----	0.50	"	"	"	"	"	
Trichloroethene	"	ND	----	0.50	"	"	"	"	"	
Tetrachloroethene	"	ND	----	0.50	"	"	"	"	"	
Chlorobenzene	"	ND	----	0.50	"	"	"	"	"	

<i>Surrogate(s):</i>	<i>Fluorobenzene (Surr)</i>	98%	80 - 120 %	"	"
	<i>Toluene-d8 (Surr)</i>	90%	85 - 120 %	"	"
	<i>Ethylbenzene-d10</i>	85%	80 - 120 %	"	"
	<i>4-Bromofluorobenzene (Surr)</i>	96%	75 - 120 %	"	"
	<i>Trifluorotoluene (Surr)</i>	103%	80 - 120 %	"	"

<b>PQH0767-02 (Q-2)</b>		<b>Soil</b>			<b>Sampled: 08/16/07 13:30</b>					
Vinyl chloride	8260B TCLP	ND	----	0.50	mg/L	500x	23810	09/28/07 00:12	09/28/07 00:12	
1,1-Dichloroethene	"	ND	----	0.50	"	"	"	"	"	
2-Butanone	"	ND	----	2.5	"	"	"	"	"	
Chloroform	"	ND	----	0.50	"	"	"	"	"	
Carbon tetrachloride	"	ND	----	0.50	"	"	"	"	"	
Benzene	"	ND	----	0.50	"	"	"	"	"	
1,2-Dichloroethane	"	ND	----	0.50	"	"	"	"	"	
Trichloroethene	"	ND	----	0.50	"	"	"	"	"	
Tetrachloroethene	"	ND	----	0.50	"	"	"	"	"	
Chlorobenzene	"	ND	----	0.50	"	"	"	"	"	

<i>Surrogate(s):</i>	<i>Fluorobenzene (Surr)</i>	96%	80 - 120 %	"	"
	<i>Toluene-d8 (Surr)</i>	94%	85 - 120 %	"	"
	<i>Ethylbenzene-d10</i>	86%	80 - 120 %	"	"
	<i>4-Bromofluorobenzene (Surr)</i>	95%	75 - 120 %	"	"
	<i>Trifluorotoluene (Surr)</i>	102%	80 - 120 %	"	"

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 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Volatile Organic Compounds by GC/MS TCLP**  
 TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-03 (Q-3)</b>		<b>Soil</b>			<b>Sampled: 08/16/07 11:25</b>					
Vinyl chloride	8260B TCLP	ND	----	0.50	mg/L	500x	23810	09/28/07 00:34	09/28/07 00:34	
1,1-Dichloroethene	"	ND	----	0.50	"	"	"	"	"	
2-Butanone	"	ND	----	2.5	"	"	"	"	"	
Chloroform	"	ND	----	0.50	"	"	"	"	"	
Carbon tetrachloride	"	ND	----	0.50	"	"	"	"	"	
Benzene	"	ND	----	0.50	"	"	"	"	"	
1,2-Dichloroethane	"	ND	----	0.50	"	"	"	"	"	
Trichloroethene	"	ND	----	0.50	"	"	"	"	"	
Tetrachloroethene	"	ND	----	0.50	"	"	"	"	"	
Chlorobenzene	"	ND	----	0.50	"	"	"	"	"	

<i>Surrogate(s):</i>	<i>Fluorobenzene (Surr)</i>	98%	80 - 120 %	"	"
	<i>Toluene-d8 (Surr)</i>	90%	85 - 120 %	"	"
	<i>Ethylbenzene-d10</i>	82%	80 - 120 %	"	"
	<i>4-Bromofluorobenzene (Surr)</i>	95%	75 - 120 %	"	"
	<i>Trifluorotoluene (Surr)</i>	100%	80 - 120 %	"	"

<b>PQH0767-04 (Q-4)</b>		<b>Soil</b>			<b>Sampled: 08/16/07 16:15</b>					
Vinyl chloride	8260B TCLP	ND	----	0.50	mg/L	500x	23810	09/28/07 00:56	09/28/07 00:56	
1,1-Dichloroethene	"	ND	----	0.50	"	"	"	"	"	
2-Butanone	"	ND	----	2.5	"	"	"	"	"	
Chloroform	"	ND	----	0.50	"	"	"	"	"	
Carbon tetrachloride	"	ND	----	0.50	"	"	"	"	"	
Benzene	"	ND	----	0.50	"	"	"	"	"	
1,2-Dichloroethane	"	ND	----	0.50	"	"	"	"	"	
Trichloroethene	"	ND	----	0.50	"	"	"	"	"	
Tetrachloroethene	"	ND	----	0.50	"	"	"	"	"	
Chlorobenzene	"	ND	----	0.50	"	"	"	"	"	

<i>Surrogate(s):</i>	<i>Fluorobenzene (Surr)</i>	97%	80 - 120 %	"	"
	<i>Toluene-d8 (Surr)</i>	91%	85 - 120 %	"	"
	<i>Ethylbenzene-d10</i>	84%	80 - 120 %	"	"
	<i>4-Bromofluorobenzene (Surr)</i>	93%	75 - 120 %	"	"
	<i>Trifluorotoluene (Surr)</i>	101%	80 - 120 %	"	"

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:  
 10/11/07 08:06

**Volatile Organic Compounds by GC/MS TCLP**  
 TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
<b>PQH0767-05 (Q-5)</b>		<b>Soil</b>			<b>Sampled: 08/16/07 14:00</b>					
Vinyl chloride	8260B TCLP	ND	----	0.50	mg/L	500x	23810	09/28/07 01:19	09/28/07 01:19	
1,1-Dichloroethene	"	ND	----	0.50	"	"	"	"	"	"
2-Butanone	"	ND	----	2.5	"	"	"	"	"	"
Chloroform	"	ND	----	0.50	"	"	"	"	"	"
Carbon tetrachloride	"	ND	----	0.50	"	"	"	"	"	"
Benzene	"	ND	----	0.50	"	"	"	"	"	"
1,2-Dichloroethane	"	ND	----	0.50	"	"	"	"	"	"
Trichloroethene	"	ND	----	0.50	"	"	"	"	"	"
Tetrachloroethene	"	ND	----	0.50	"	"	"	"	"	"
Chlorobenzene	"	ND	----	0.50	"	"	"	"	"	"
<i>Surrogate(s): Fluorobenzene (Surr)</i>			97%		80 - 120 %	"				"
<i>Toluene-d8 (Surr)</i>			91%		85 - 120 %	"				"
<i>Ethylbenzene-d10</i>			84%		80 - 120 %	"				"
<i>4-Bromofluorobenzene (Surr)</i>			92%		75 - 120 %	"				"
<i>Trifluorotoluene (Surr)</i>			99%		80 - 120 %	"				"

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<b>Coles Environmental</b> 750 S. Rosemont Rd. West Linn, OR 97068	Project Name: <b>Harbor Tank 23</b> Project Number: P7176.1 Project Manager: David G. Coles	Report Created: 10/11/07 08:06
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**Hydrocarbon Identification per NW-TPH Methodology - Laboratory Quality Control Results**  
TestAmerica - Portland, OR

**QC Batch: 7081079      Soil Preparation Method: EPA 3550 Fuels**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC (Limits)	% RPD (Limits)	Analyzed	Notes
<b>Blank (7081079-BLK1)</b>												
Extracted: 08/23/07 14:30												
Gasoline Range Hydrocarbons	NWTPH HCID	ND	---	20.0	mg/kg wet	1x	--	--	--	--	08/23/07 18:29	
Diesel Range Hydrocarbons	"	ND	---	50.0	"	"	--	--	--	--	"	
Heavy Oil Range Hydrocarbons	"	ND	---	100	"	"	--	--	--	--	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: 98.2%</i>		<i>Limits: 50-150%</i>		"					08/23/07 18:29	

<b>Duplicate (7081079-DUP1)</b>												
QC Source: PQH0767-01												
Extracted: 08/23/07 14:30												
Gasoline Range Hydrocarbons	NWTPH HCID	DET	---	16.4	mg/kg wet	1x	9390	--	--	2.78% (50)	08/23/07 18:59	
Diesel Range Hydrocarbons	"	DET	---	41.0	"	"	58700	--	--	4.37% "	"	
Heavy Oil Range Hydrocarbons	"	DET	---	81.9	"	"	30600	--	--	7.45% "	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: NR</i>		<i>Limits: 50-150%</i>		"					08/23/07 18:59	Z9

<b>Duplicate (7081079-DUP2)</b>												
QC Source: PQH0779-02												
Extracted: 08/23/07 14:30												
Gasoline Range Hydrocarbons	NWTPH HCID	ND	---	30.8	mg/kg dry	1x	ND	--	--	NR (50)	08/23/07 19:29	
Diesel Range Hydrocarbons	"	ND	---	77.1	"	"	ND	--	--	3.33% "	"	
Heavy Oil Range Hydrocarbons	"	ND	---	154	"	"	ND	--	--	51.0% "	"	R4
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: 129%</i>		<i>Limits: 50-150%</i>		"					08/23/07 19:29	

**QC Batch: 7081100      Water Preparation Method: EPA 3510 Fuels**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC (Limits)	% RPD (Limits)	Analyzed	Notes
<b>Blank (7081100-BLK1)</b>												
Extracted: 08/23/07 14:00												
Gasoline Range Hydrocarbons	NWTPH HCID	ND	---	0.125	mg/l	1x	--	--	--	--	08/23/07 23:29	
Diesel Range Hydrocarbons	"	ND	---	0.315	"	"	--	--	--	--	"	
Heavy Oil Range Hydrocarbons	"	ND	---	0.315	"	"	--	--	--	--	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: 93.6%</i>		<i>Limits: 50-150%</i>		"					08/23/07 23:29	

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**Coles Environmental**

750 S. Rosemont Rd.  
West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Gasoline Hydrocarbons per NW TPH-Gx Method - Laboratory Quality Control Results**  
TestAmerica - Portland, OR

**QC Batch: 7081533      Soil Preparation Method: EPA 5035 Modified**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes		
<b>Blank (7081533-BLK1)</b>													Extracted: 08/31/07 13:52			
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	---	1.98	mg/kg wet	1x	--	--	--	--	--	--	09/05/07 12:37			
<i>Surrogate(s): a,a,a-TFT</i>		<i>Recovery: 118%</i>		<i>Limits: 50-150%</i>		"						09/05/07 12:37				
<b>LCS (7081533-BS2)</b>													Extracted: 08/31/07 13:52			
Gasoline Range Hydrocarbons	NW TPH-Gx	23.8	---	3.85	mg/kg wet	1x	--	24.1	98.8%	(70-130)	--	--	09/01/07 14:08			
<i>Surrogate(s): a,a,a-TFT</i>		<i>Recovery: 125%</i>		<i>Limits: 50-150%</i>		"						09/01/07 14:08				
<b>Duplicate (7081533-DUP1)</b>													QC Source: PQH0767-05		Extracted: 08/31/07 13:52	
Gasoline Range Hydrocarbons	NW TPH-Gx	21600	---	364	mg/kg wet	1x	17800	--	--	--	19.6% (40)	--	09/01/07 20:35			
<i>Surrogate(s): a,a,a-TFT</i>		<i>Recovery: 125%</i>		<i>Limits: 50-150%</i>		"						09/01/07 20:35				
<b>Duplicate (7081533-DUP2)</b>													QC Source: PQH1091-17		Extracted: 08/31/07 13:52	
Gasoline Range Hydrocarbons	NW TPH-Gx	155	---	3.96	mg/kg dry	1x	173	--	--	--	11.5% (40)	--	09/02/07 03:01			
<i>Surrogate(s): a,a,a-TFT</i>		<i>Recovery: 99.3%</i>		<i>Limits: 50-150%</i>		"						09/02/07 03:01				
<b>Matrix Spike (7081533-MS2)</b>													QC Source: PQH1091-19		Extracted: 08/31/07 13:52	
Gasoline Range Hydrocarbons	NW TPH-Gx	4.53	---	5.15	mg/kg dry	1x	ND	32.2	14.1%	(65-130)	--	--	09/02/07 05:46	M8		
<i>Surrogate(s): a,a,a-TFT</i>		<i>Recovery: 103%</i>		<i>Limits: 50-150%</i>		"						09/02/07 05:46				

**QC Batch: 7101001      Water Preparation Method: 7081533**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Instrument Blank (7101001-IBL4)</b>													Extracted: 09/01/07 00:00	
a,a,a-TFT	NW TPH-Gx	48.9	---		ug/l	1x	--	--	--	--	--	--	09/01/07 23:20	
Gasoline Range Hydrocarbons	"	29.7	---	0.0800	"	"	--	--	--	--	--	--	"	
<b>Instrument Blank (7101001-IBL5)</b>													Extracted: 09/01/07 00:00	
a,a,a-TFT	NW TPH-Gx	48.4	---		ug/l	1x	--	--	--	--	--	--	09/02/07 03:57	
Gasoline Range Hydrocarbons	"	820	---	0.0800	"	"	--	--	--	--	--	--	"	

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<b>Coles Environmental</b> 750 S. Rosemont Rd. West Linn, OR 97068	Project Name: <b>Harbor Tank 23</b> Project Number: P7176.1 Project Manager: David G. Coles	Report Created: 10/11/07 08:06
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**Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method - Laboratory Quality Control Results**  
 TestAmerica - Portland, OR

**QC Batch: 7081385      Soil Preparation Method: EPA 3550 Fuels**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (7081385-BLK1)</b>							<b>Extracted: 08/29/07 12:45</b>							
Diesel Range Organics	NWTPH-Dx	ND	---	12.5	mg/kg wet	1x	--	--	--	--	--	--	08/29/07 22:48	
Heavy Oil Range Hydrocarbons	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: 86.7%</i>		<i>Limits: 50-150%</i>		<i>"</i>							<i>08/29/07 22:48</i>	
<b>LCS (7081385-BS1)</b>							<b>Extracted: 08/29/07 12:45</b>							
Diesel Range Organics	NWTPH-Dx	128	---	12.5	mg/kg wet	1x	--	125	103%	(50-150)	--	--	08/29/07 22:12	
Heavy Oil Range Hydrocarbons	"	66.3	---	25.0	"	"	--	75.5	87.8%	"	--	--	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: 94.1%</i>		<i>Limits: 50-150%</i>		<i>"</i>							<i>08/29/07 22:12</i>	
<b>Duplicate (7081385-DUP1)</b>				<b>QC Source: PQH0767-01</b>				<b>Extracted: 08/29/07 12:45</b>						
Diesel Range Organics	NWTPH-Dx	108000	---	6380	mg/kg wet	100x	103000	--	--	--	4.67%	(50)	08/30/07 06:33	
Heavy Oil Range Hydrocarbons	"	97800	---	12800	"	"	99300	--	--	--	1.53%	"	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: NR</i>		<i>Limits: 50-150%</i>		<i>"</i>							<i>08/30/07 06:33</i>	<i>Z3</i>
<b>Duplicate (7081385-DUP2)</b>				<b>QC Source: PQH1187-01</b>				<b>Extracted: 08/29/07 12:45</b>						
Diesel Range Organics	NWTPH-Dx	401	---	15.4	mg/kg dry	1x	327	--	--	--	20.4%	(50)	08/29/07 21:36	Q9
Heavy Oil Range Hydrocarbons	"	ND	---	30.8	"	"	ND	--	--	--	50.4%	"	"	R4
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: 79.8%</i>		<i>Limits: 50-150%</i>		<i>"</i>							<i>08/29/07 21:36</i>	

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**Organochlorine Pesticides and PCBs per EPA Methods 8081A/8082 - Laboratory Quality Control Results**  
 TestAmerica - Portland, OR

**QC Batch: 7081200      Soil Preparation Method: EPA 3580**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (7081200-BLK1)</b>													<b>Extracted: 08/25/07 10:40</b>	
Aldrin	8081A/8082	ND	---	201	ug/kg wet	1x	--	--	--	--	--	--	08/29/07 14:05	
alpha-BHC	"	ND	---	201	"	"	--	--	--	--	--	--	"	
beta-BHC	"	ND	---	201	"	"	--	--	--	--	--	--	"	
delta-BHC	"	ND	---	201	"	"	--	--	--	--	--	--	"	
gamma-BHC (Lindane)	"	ND	---	201	"	"	--	--	--	--	--	--	"	
alpha-Chlordane	"	ND	---	201	"	"	--	--	--	--	--	--	"	
Chlordane (tech)	"	ND	---	4500	"	"	--	--	--	--	--	--	"	
gamma-Chlordane	"	ND	---	201	"	"	--	--	--	--	--	--	"	
4,4'-DDD	"	ND	---	201	"	"	--	--	--	--	--	--	"	
4,4'-DDE	"	ND	---	201	"	"	--	--	--	--	--	--	"	
4,4'-DDT	"	ND	---	201	"	"	--	--	--	--	--	--	"	
Dieldrin	"	ND	---	201	"	"	--	--	--	--	--	--	"	
Endosulfan I	"	ND	---	201	"	"	--	--	--	--	--	--	"	
Endosulfan II	"	ND	---	201	"	"	--	--	--	--	--	--	"	
Endosulfan sulfate	"	ND	---	201	"	"	--	--	--	--	--	--	"	
Endrin	"	ND	---	201	"	"	--	--	--	--	--	--	"	
Endrin aldehyde	"	ND	---	201	"	"	--	--	--	--	--	--	"	
Endrin ketone	"	ND	---	201	"	"	--	--	--	--	--	--	"	
Heptachlor	"	ND	---	201	"	"	--	--	--	--	--	--	"	
Heptachlor epoxide	"	ND	---	201	"	"	--	--	--	--	--	--	"	
Methoxychlor	"	ND	---	201	"	"	--	--	--	--	--	--	"	
Toxaphene	"	ND	---	6000	"	"	--	--	--	--	--	--	"	

*Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene      Recovery: 107%      Limits: 36-140%      "      08/29/07 14:05*

<b>LCS (7081200-BS1)</b>													<b>Extracted: 08/25/07 10:40</b>	
Aldrin	8081A/8082	979	---	201	ug/kg wet	1x	--	1000	97.9%	(64-136)	--	--	08/29/07 14:31	
gamma-BHC (Lindane)	"	956	---	201	"	"	--	"	95.6%	(62-140)	--	--	"	
4,4'-DDT	"	1040	---	201	"	"	--	"	104%	(65-130)	--	--	"	
Dieldrin	"	1020	---	201	"	"	--	"	102%	(70-135)	--	--	"	
Endrin	"	1040	---	201	"	"	--	"	104%	(65-135)	--	--	"	
Heptachlor	"	1010	---	201	"	"	--	"	101%	(42-139)	--	--	"	

*Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene      Recovery: 107%      Limits: 36-140%      "      08/29/07 14:31*

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Organochlorine Pesticides and PCBs per EPA Methods 8081A/8082 - Laboratory Quality Control Results**

TestAmerica - Portland, OR

QC Batch: 7081200

Soil Preparation Method: EPA 3580

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes		
<b>LCS Dup (7081200-BSD1)</b>													Extracted: 08/25/07 10:40			
Aldrin	8081A/8082	1000	---	201	ug/kg wet	1x	--	1000	100%	(64-136)	2.46%	(50)	08/29/07 14:57			
gamma-BHC (Lindane)	"	990	---	201	"	"	--	"	99.0%	(62-140)	3.44%	"	"			
4,4'-DDT	"	1070	---	201	"	"	--	"	107%	(65-130)	2.95%	"	"			
Dieldrin	"	1040	---	201	"	"	--	"	104%	(70-135)	2.47%	"	"			
Endrin	"	1030	---	201	"	"	--	"	103%	(65-135)	0.804%	"	"			
Heptachlor	"	1030	---	201	"	"	--	"	103%	(42-139)	2.50%	"	"			
<i>Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene</i>													<i>Recovery: 108%</i>	<i>Limits: 36-140%</i>	<i>"</i>	<i>08/29/07 14:57</i>

QC Batch: 7081488

Soil Preparation Method: EPA 3580

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes		
<b>Blank (7081488-BLK1)</b>													Extracted: 08/30/07 17:30			
Aroclor 1016	8081A/8082	ND	---	999	ug/kg wet	1x	--	--	--	--	--	--	09/01/07 06:04			
Aroclor 1221	"	ND	---	2010	"	"	--	--	--	--	--	--	"			
Aroclor 1232	"	ND	---	999	"	"	--	--	--	--	--	--	"			
Aroclor 1242	"	ND	---	999	"	"	--	--	--	--	--	--	"			
Aroclor 1248	"	ND	---	999	"	"	--	--	--	--	--	--	"			
Aroclor 1254	"	ND	---	999	"	"	--	--	--	--	--	--	"			
Aroclor 1260	"	ND	---	999	"	"	--	--	--	--	--	--	"			
<i>Surrogate(s): Decachlorobiphenyl</i>													<i>Recovery: 103%</i>	<i>Limits: 16-149%</i>	<i>"</i>	<i>09/01/07 06:04</i>

**LCS (7081488-BS1)**

Extracted: 08/30/07 17:30

Aroclor 1016	8081A/8082	11100	---	999	ug/kg wet	1x	--	10000	111%	(57-135)	--	--	09/01/07 05:26			
Aroclor 1260	"	10600	---	999	"	"	--	"	106%	(60-135)	--	--	"			
<i>Surrogate(s): Decachlorobiphenyl</i>													<i>Recovery: 118%</i>	<i>Limits: 16-149%</i>	<i>"</i>	<i>09/01/07 05:26</i>

**LCS Dup (7081488-BSD1)**

Extracted: 08/30/07 17:30

Aroclor 1016	8081A/8082	10500	---	999	ug/kg wet	1x	--	10000	105%	(57-135)	4.91%	(25)	09/01/07 05:45			
Aroclor 1260	"	10600	---	999	"	"	--	"	106%	(60-135)	0.638%	(27)	"			
<i>Surrogate(s): Decachlorobiphenyl</i>													<i>Recovery: 117%</i>	<i>Limits: 16-149%</i>	<i>"</i>	<i>09/01/07 05:45</i>

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:  
10/11/07 08:06

**Chlorinated Herbicides per EPA Method 8151A Modified - Laboratory Quality Control Results**  
TestAmerica - Portland, OR

**QC Batch: 7090058 Other wet Preparation Method: EPA 3510/600**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (7090058-BLK1)</b>													<b>Extracted: 09/04/07 11:26</b>	
2,4-D	8151mod	ND	---	20.0	ug/l	1x	--	--	--	--	--	--	09/05/07 10:51	
2,4-DB	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	C8
2,4,5-T	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
2,4,5-TP (Silvex)	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Dalapon	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	C8
Dicamba	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Dichlorprop	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Dinoseb	"	ND	---	20.0	"	"	--	--	--	--	--	--	09/05/07 22:09	
MCPA	"	ND	---	2000	"	"	--	--	--	--	--	--	09/05/07 10:51	
MCPP	"	ND	---	2000	"	"	--	--	--	--	--	--	"	

Surrogate(s): 2,4-Dichlorophenylacetic acid Recovery: 108% Limits: 30-140% " 09/05/07 10:51

**LCS (7090058-BS1)**

**Extracted: 09/04/07 11:26**

2,4-D	8151mod	30.2	---	20.0	ug/l	1x	--	20.0	151%	(35-145)	--	--	09/05/07 11:15	L
2,4-DB	"	38.5	---	20.0	"	"	--	"	192%	(50-155)	--	--	"	C8, L
2,4,5-T	"	28.7	---	20.0	"	"	--	"	143%	(45-135)	--	--	"	L
2,4,5-TP (Silvex)	"	26.5	---	20.0	"	"	--	"	132%	(45-125)	--	--	"	L
Dalapon	"	26.0	---	20.0	"	"	--	"	130%	(25-105)	--	--	"	C8, L
Dicamba	"	22.9	---	20.0	"	"	--	"	115%	(55-110)	--	--	"	L
Dichlorprop	"	25.2	---	20.0	"	"	--	"	126%	(75-140)	--	--	"	
Dinoseb	"	22.1	---	20.0	"	"	--	"	111%	(20-130)	--	--	09/05/07 22:33	
MCPA	"	2010	---	2000	"	"	--	2000	101%	"	--	--	09/05/07 11:15	
MCPP	"	2390	---	2000	"	"	--	"	120%	(20-120)	--	--	"	

Surrogate(s): 2,4-Dichlorophenylacetic acid Recovery: 133% Limits: 30-140% " 09/05/07 11:15

**LCS Dup (7090058-BSD1)**

**Extracted: 09/04/07 11:26**

2,4-D	8151mod	32.5	---	20.0	ug/l	1x	--	20.0	163%	(35-145)	7.58% (30)		09/05/07 11:40	L
2,4-DB	"	36.8	---	20.0	"	"	--	"	184%	(50-155)	4.49%	"	"	C8, L
2,4,5-T	"	31.3	---	20.0	"	"	--	"	157%	(45-135)	8.88%	"	"	L
2,4,5-TP (Silvex)	"	29.4	---	20.0	"	"	--	"	147%	(45-125)	10.3%	"	"	L
Dalapon	"	26.9	---	20.0	"	"	--	"	135%	(25-105)	3.45%	"	"	C8, L
Dicamba	"	25.0	---	20.0	"	"	--	"	125%	(55-110)	8.89%	"	"	L
Dichlorprop	"	27.3	---	20.0	"	"	--	"	137%	(75-140)	8.10%	"	"	
Dinoseb	"	24.3	---	20.0	"	"	--	"	122%	(20-130)	9.41%	"	09/05/07 22:58	
MCPA	"	2260	---	2000	"	"	--	2000	113%	"	11.6%	"	09/05/07 11:40	
MCPP	"	2600	---	2000	"	"	--	"	130%	(20-120)	8.18%	"	"	L

Surrogate(s): 2,4-Dichlorophenylacetic acid Recovery: 115% Limits: 30-140% " 09/05/07 11:40

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Semivolatile Organic Compounds per EPA Method 8270C - Laboratory Quality Control Results**  
TestAmerica - Portland, OR

**QC Batch: 7081295 Other dry Preparation Method: EPA 3580**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (7081295-BLK1)</b>													<b>Extracted: 08/28/07 14:30</b>	
Acenaphthene	EPA 8270C	ND	---	99.0	mg/kg wet	1x	--	--	--	--	--	--	08/30/07 07:48	
Acenaphthylene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Benzoic Acid	"	ND	---	300	"	"	--	--	--	--	--	--	"	
Benzyl alcohol	"	ND	---	300	"	"	--	--	--	--	--	--	"	
4-Bromophenyl phenyl ether	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Butyl benzyl phthalate	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
4-Chloro-3-methylphenol	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
4-Chloroaniline	"	ND	---	600	"	"	--	--	--	--	--	--	"	
Bis(2-chloroethoxy)methane	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Bis(2-chloroethyl)ether	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Bis(2-chloroisopropyl)ether	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
2-Chloronaphthalene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
2-Chlorophenol	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
4-Chlorophenyl phenyl ether	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Di-n-butyl phthalate	"	ND	---	300	"	"	--	--	--	--	--	--	"	
Di-n-octyl phthalate	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Dibenzo (a,h) anthracene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Dibenzofuran	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	300	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	300	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	300	"	"	--	--	--	--	--	--	"	
3,3'-Dichlorobenzidine	"	ND	---	300	"	"	--	--	--	--	--	--	"	
2,4-Dichlorophenol	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Diethyl phthalate	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
2,4-Dimethylphenol	"	ND	---	300	"	"	--	--	--	--	--	--	"	
Dimethyl phthalate	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
4,6-Dinitro-2-methylphenol	"	ND	---	300	"	"	--	--	--	--	--	--	"	
2,4-Dinitrophenol	"	ND	---	600	"	"	--	--	--	--	--	--	"	
2,4-Dinitrotoluene	"	ND	---	150	"	"	--	--	--	--	--	--	"	
2,6-Dinitrotoluene	"	ND	---	150	"	"	--	--	--	--	--	--	"	
Bis(2-ethylhexyl)phthalate	"	ND	---	600	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Semivolatile Organic Compounds per EPA Method 8270C - Laboratory Quality Control Results**  
 TestAmerica - Portland, OR

**QC Batch: 7081295      Other dry Preparation Method: EPA 3580**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (7081295-BLK1)</b>													<b>Extracted: 08/28/07 14:30</b>	
Fluorene	EPA 8270C	ND	---	99.0	mg/kg wet	1x	--	--	--	--	--	--	08/30/07 07:48	
Hexachlorobenzene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Hexachlorobutadiene	"	ND	---	300	"	"	--	--	--	--	--	--	"	
Hexachlorocyclopentadiene	"	ND	---	300	"	"	--	--	--	--	--	--	"	
Hexachloroethane	"	ND	---	300	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Isophorone	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
2-Methylphenol	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
3-,4-Methylphenol	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
2-Nitroaniline	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
3-Nitroaniline	"	ND	---	300	"	"	--	--	--	--	--	--	"	
4-Nitroaniline	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Nitrobenzene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
2-Nitrophenol	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
4-Nitrophenol	"	ND	---	300	"	"	--	--	--	--	--	--	"	
N-Nitrosodi-n-propylamine	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
N-Nitrosodiphenylamine	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Pentachlorophenol	"	ND	---	300	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Phenol	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	300	"	"	--	--	--	--	--	--	"	
2,4,5-Trichlorophenol	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
2,4,6-Trichlorophenol	"	ND	---	99.0	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 2-Fluorobiphenyl</i>		<i>Recovery:</i>	<i>98.6%</i>	<i>Limits:</i>	<i>33-126%</i>	<i>"</i>							<i>08/30/07 07:48</i>	
<i>2-Fluorophenol</i>			<i>85.1%</i>		<i>20-127%</i>	<i>"</i>							<i>"</i>	
<i>Nitrobenzene-d5</i>			<i>97.6%</i>		<i>25-131%</i>	<i>"</i>							<i>"</i>	
<i>Phenol-d6</i>			<i>95.8%</i>		<i>13-138%</i>	<i>"</i>							<i>"</i>	
<i>p-Terphenyl-d14</i>			<i>89.2%</i>		<i>38-142%</i>	<i>"</i>							<i>"</i>	
<i>2,4,6-Tribromophenol</i>			<i>97.3%</i>		<i>46-124%</i>	<i>"</i>							<i>"</i>	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Semivolatile Organic Compounds per EPA Method 8270C - Laboratory Quality Control Results**  
TestAmerica - Portland, OR

QC Batch: 7081295 Other dry Preparation Method: EPA 3580

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	---------------	-----------	-------	----------	-------	----------	----------	-------

**LCS (7081295-BS1)**

Extracted: 08/28/07 14:30

Acenaphthene	EPA 8270C	507	---	99.0	mg/kg wet	1x	--	500	101%	(46-120)	--	--	08/31/07 11:28	
4-Chloro-3-methylphenol	"	859	---	99.0	"	"	--	1000	85.9%	(36-138)	--	--	"	
2-Chlorophenol	"	887	---	99.0	"	"	--	"	88.7%	(18-137)	--	--	"	
1,4-Dichlorobenzene	"	511	---	300	"	"	--	500	102%	(7-135)	--	--	"	
2,4-Dinitrotoluene	"	476	---	150	"	"	--	"	95.3%	(49-125)	--	--	"	
4-Nitrophenol	"	950	---	300	"	"	--	1000	95.0%	(40-148)	--	--	"	
N-Nitrosodi-n-propylamine	"	560	---	99.0	"	"	--	500	112%	(20-138)	--	--	"	
Pentachlorophenol	"	865	---	300	"	"	--	1000	86.5%	(22-129)	--	--	"	
Phenol	"	833	---	99.0	"	"	--	"	83.3%	(37-122)	--	--	"	
Pyrene	"	430	---	99.0	"	"	--	500	86.0%	(26-143)	--	--	"	
1,2,4-Trichlorobenzene	"	506	---	300	"	"	--	"	101%	(25-129)	--	--	"	

<i>Surrogate(s): 2-Fluorobiphenyl</i>	<i>Recovery:</i>	<i>103%</i>	<i>Limits:</i>	<i>33-126%</i>	<i>"</i>	<i>08/31/07 11:28</i>
<i>2-Fluorophenol</i>		<i>92.5%</i>		<i>20-127%</i>	<i>"</i>	<i>"</i>
<i>Nitrobenzene-d5</i>		<i>103%</i>		<i>25-131%</i>	<i>"</i>	<i>"</i>
<i>Phenol-d6</i>		<i>101%</i>		<i>13-138%</i>	<i>"</i>	<i>"</i>
<i>p-Terphenyl-d14</i>		<i>85.7%</i>		<i>38-142%</i>	<i>"</i>	<i>"</i>
<i>2,4,6-Tribromophenol</i>		<i>102%</i>		<i>46-124%</i>	<i>"</i>	<i>"</i>

**LCS Dup (7081295-BSD1)**

Extracted: 08/28/07 14:30

Acenaphthene	EPA 8270C	485	---	99.0	mg/kg wet	1x	--	500	96.9%	(46-120)	4.42% (60)		08/31/07 12:11	
4-Chloro-3-methylphenol	"	814	---	99.0	"	"	--	1000	81.4%	(36-138)	5.38%	"	"	
2-Chlorophenol	"	911	---	99.0	"	"	--	"	91.1%	(18-137)	2.64%	"	"	
1,4-Dichlorobenzene	"	523	---	300	"	"	--	500	105%	(7-135)	2.26%	"	"	
2,4-Dinitrotoluene	"	431	---	150	"	"	--	"	86.3%	(49-125)	9.94%	"	"	
4-Nitrophenol	"	915	---	300	"	"	--	1000	91.5%	(40-148)	3.75%	"	"	
N-Nitrosodi-n-propylamine	"	575	---	99.0	"	"	--	500	115%	(20-138)	2.70%	"	"	
Pentachlorophenol	"	849	---	300	"	"	--	1000	84.9%	(22-129)	1.86%	"	"	
Phenol	"	902	---	99.0	"	"	--	"	90.2%	(37-122)	7.96%	"	"	
Pyrene	"	414	---	99.0	"	"	--	500	82.9%	(26-143)	3.67%	"	"	
1,2,4-Trichlorobenzene	"	485	---	300	"	"	--	"	96.9%	(25-129)	4.40%	"	"	

<i>Surrogate(s): 2-Fluorobiphenyl</i>	<i>Recovery:</i>	<i>96.0%</i>	<i>Limits:</i>	<i>33-126%</i>	<i>"</i>	<i>08/31/07 12:11</i>
<i>2-Fluorophenol</i>		<i>97.3%</i>		<i>20-127%</i>	<i>"</i>	<i>"</i>
<i>Nitrobenzene-d5</i>		<i>98.6%</i>		<i>25-131%</i>	<i>"</i>	<i>"</i>
<i>Phenol-d6</i>		<i>106%</i>		<i>13-138%</i>	<i>"</i>	<i>"</i>
<i>p-Terphenyl-d14</i>		<i>80.8%</i>		<i>38-142%</i>	<i>"</i>	<i>"</i>
<i>2,4,6-Tribromophenol</i>		<i>91.0%</i>		<i>46-124%</i>	<i>"</i>	<i>"</i>

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:  
10/11/07 08:06

**TCLP Pesticides per EPA Method 1311/8081A - Laboratory Quality Control Results**  
TestAmerica - Portland, OR

**QC Batch: 7100068 Soil Preparation Method: EPA 1311/3510**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes			
<b>Blank (7100068-BLK1)</b>													<b>Extracted: 10/02/07 15:20</b>				
gamma-BHC (Lindane)	1311/8081A	ND	---	0.000400	mg/l	1x	--	--	--	--	--	--	10/03/07 14:23				
Chlordane (tech)	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"				
Endrin	"	ND	---	0.000400	"	"	--	--	--	--	--	--	"				
Heptachlor	"	ND	---	0.000400	"	"	--	--	--	--	--	--	"				
Heptachlor epoxide	"	ND	---	0.000400	"	"	--	--	--	--	--	--	"				
Methoxychlor	"	ND	---	0.000400	"	"	--	--	--	--	--	--	"				
Toxaphene	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"				
<i>Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene</i>													<i>Recovery: 83.0%</i>	<i>Limits: 30-140%</i>	<i>"</i>	<i>10/03/07 14:23</i>	
<b>LCS (7100068-BS1)</b>													<b>Extracted: 10/02/07 15:20</b>				
gamma-BHC (Lindane)	1311/8081A	0.00118	---	0.000500	mg/l	1x	--	0.00125	94.1%	(50-150)	--	--	10/03/07 12:40				
Endrin	"	0.00127	---	0.000500	"	"	--	"	102%	"	--	--	"				
Heptachlor	"	0.00107	---	0.000500	"	"	--	"	85.7%	"	--	--	"				
Heptachlor epoxide	"	0.00122	---	0.000500	"	"	--	"	97.7%	"	--	--	"				
Methoxychlor	"	0.00115	---	0.000500	"	"	--	"	91.7%	"	--	--	"				
<i>Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene</i>													<i>Recovery: 81.8%</i>	<i>Limits: 30-140%</i>	<i>"</i>	<i>10/03/07 12:40</i>	
<b>LCS (7100068-BS2)</b>													<b>Extracted: 10/02/07 15:20</b>				
Chlordane (tech)	1311/8081A	0.00772	---	0.00500	mg/l	1x	--	0.0100	77.2%	(50-150)	--	--	10/03/07 14:49				
<i>Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene</i>													<i>Recovery: 73.8%</i>	<i>Limits: 30-140%</i>	<i>"</i>	<i>10/03/07 14:49</i>	
<b>LCS (7100068-BS3)</b>													<b>Extracted: 10/02/07 15:20</b>				
Toxaphene	1311/8081A	0.00567	---	0.0500	mg/l	1x	--	0.0100	56.7%	(50-150)	--	--	10/05/07 11:44				
<i>Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene</i>													<i>Recovery: 72.6%</i>	<i>Limits: 30-140%</i>	<i>"</i>	<i>10/05/07 11:44</i>	
<b>Duplicate (7100068-DUP1)</b>													<b>QC Source: PQH0767-02</b>		<b>Extracted: 10/02/07 15:20</b>		
gamma-BHC (Lindane)	1311/8081A	ND	---	0.000400	mg/l	1x	ND	--	--	--	NR (0)		10/03/07 19:38				
Endrin	"	ND	---	0.000400	"	"	ND	--	--	--	NR	"	"				
Heptachlor	"	ND	---	0.000400	"	"	ND	--	--	--	NR	"	"				
Heptachlor epoxide	"	ND	---	0.000400	"	"	ND	--	--	--	NR	"	"				
Methoxychlor	"	ND	---	0.000400	"	"	ND	--	--	--	NR	"	"				
<i>Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene</i>													<i>Recovery: 161%</i>	<i>Limits: 30-140%</i>	<i>"</i>	<i>10/03/07 19:38</i>	<b>ZX</b>

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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<b>Coles Environmental</b> 750 S. Rosemont Rd. West Linn, OR 97068	Project Name: <b>Harbor Tank 23</b> Project Number: P7176.1 Project Manager: David G. Coles	Report Created: 10/11/07 08:06
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**TCLP Pesticides per EPA Method 1311/8081A - Laboratory Quality Control Results**  
 TestAmerica - Portland, OR

**QC Batch: 7100068      Soil Preparation Method: EPA 1311/3510**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Matrix Spike (7100068-MS1)</b>			<b>QC Source: PQH0767-02</b>			<b>Extracted: 10/02/07 15:20</b>								
gamma-BHC (Lindane)	1311/8081A	0.00110	---	0.00200	mg/l	5x	ND	0.00100	110%	(50-150)	--	--	10/03/07 20:04	
Endrin	"	0.00102	---	0.00200	"	"	ND	"	102%	"	--	--	"	
Heptachlor	"	0.000828	---	0.00200	"	"	ND	"	82.8%	"	--	--	"	
Heptachlor epoxide	"	0.000941	---	0.00200	"	"	ND	"	94.1%	"	--	--	"	
Methoxychlor	"	0.000648	---	0.00200	"	"	ND	"	64.8%	"	--	--	"	
<i>Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene</i>		<i>Recovery: 144%</i>		<i>Limits: 30-140%</i>									<i>10/03/07 20:04</i>	<i>ZX</i>

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**TCLP Semivolatiles per EPA Method 1311/8270 - Laboratory Quality Control Results**

TestAmerica - Portland, OR

QC Batch: 7100022

Soil Preparation Method: EPA 1311/3510

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	---------------	-----------	-------	----------	-------	----------	----------	-------

**Blank (7100022-BLK1)**

Extracted: 10/01/07 15:00

1,4-Dichlorobenzene	1311/8270	ND	---	0.0500	mg/l	1x	--	--	--	--	--	--	10/02/07 17:56	
2,4-Dinitrotoluene	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
Hexachlorobenzene	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
Hexachlorobutadiene	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
Hexachloroethane	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
Nitrobenzene	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
Pentachlorophenol	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Pyridine	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
Total Cresols	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
2,4,5-Trichlorophenol	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
2,4,6-Trichlorophenol	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	

<i>Surrogate(s): 2-Fluorophenol</i>	<i>Recovery:</i>	<i>48.3%</i>		<i>Limits: 7-116%</i>	<i>"</i>								<i>10/02/07 17:56</i>	
<i>Phenol-d6</i>		<i>31.3%</i>		<i>1-114%</i>	<i>"</i>								<i>"</i>	
<i>2,4,6-Tribromophenol</i>		<i>96.5%</i>		<i>33-150%</i>	<i>"</i>								<i>"</i>	
<i>Nitrobenzene-d5</i>		<i>83.5%</i>		<i>29-140%</i>	<i>"</i>								<i>"</i>	
<i>2-Fluorobiphenyl</i>		<i>77.3%</i>		<i>12-135%</i>	<i>"</i>								<i>"</i>	
<i>p-Terphenyl-d14</i>		<i>88.1%</i>		<i>47-138%</i>	<i>"</i>								<i>"</i>	

**LCS (7100022-BS1)**

Extracted: 10/01/07 15:00

1,4-Dichlorobenzene	1311/8270	0.266	---	0.0500	mg/l	1x	--	0.400	66.6%	(5-102)	--	--	10/02/07 18:41	
2,4-Dinitrotoluene	"	0.309	---	0.0500	"	"	--	"	77.2%	(41-128)	--	--	"	
Hexachlorobenzene	"	0.283	---	0.0500	"	"	--	"	70.7%	(43-124)	--	--	"	
Hexachlorobutadiene	"	0.300	---	0.0500	"	"	--	"	75.0%	(5-151)	--	--	"	
Hexachloroethane	"	0.258	---	0.0500	"	"	--	"	64.4%	(5-134)	--	--	"	
Nitrobenzene	"	0.289	---	0.0500	"	"	--	"	72.3%	(30-128)	--	--	"	
Pentachlorophenol	"	0.331	---	0.100	"	"	--	"	82.7%	(40-134)	--	--	"	
Pyridine	"	0.190	---	0.200	"	"	--	"	47.5%	(1-130)	--	--	"	
2,4,5-Trichlorophenol	"	0.354	---	0.0500	"	"	--	"	88.5%	(48-128)	--	--	"	
Total Cresols	"	0.663	---	0.100	"	"	--	1.20	55.3%	(5-117)	--	--	"	
2,4,6-Trichlorophenol	"	0.322	---	0.0500	"	"	--	0.400	80.6%	(39-126)	--	--	"	

<i>Surrogate(s): 2-Fluorophenol</i>	<i>Recovery:</i>	<i>47.5%</i>		<i>Limits: 7-116%</i>	<i>"</i>								<i>10/02/07 18:41</i>	
<i>Phenol-d6</i>		<i>30.6%</i>		<i>1-114%</i>	<i>"</i>								<i>"</i>	
<i>2,4,6-Tribromophenol</i>		<i>96.7%</i>		<i>33-150%</i>	<i>"</i>								<i>"</i>	
<i>Nitrobenzene-d5</i>		<i>79.7%</i>		<i>29-140%</i>	<i>"</i>								<i>"</i>	
<i>2-Fluorobiphenyl</i>		<i>79.5%</i>		<i>12-135%</i>	<i>"</i>								<i>"</i>	
<i>p-Terphenyl-d14</i>		<i>87.0%</i>		<i>47-138%</i>	<i>"</i>								<i>"</i>	

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Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**TCLP Semivolatiles per EPA Method 1311/8270 - Laboratory Quality Control Results**

TestAmerica - Portland, OR

QC Batch: 7100022

Soil Preparation Method: EPA 1311/3510

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Duplicate (7100022-DUP1)</b>							<b>QC Source: PQH0767-01</b>			<b>Extracted: 10/01/07 15:00</b>				<b>RL3</b>
1,4-Dichlorobenzene	1311/8270	ND	---	0.200	mg/l	4x	ND	--	--	--	NR (50)		10/02/07 22:17	
2,4-Dinitrotoluene	"	ND	---	0.200	"	"	ND	--	--	--	NR "		"	
Hexachlorobenzene	"	ND	---	0.200	"	"	ND	--	--	--	NR "		"	
Hexachlorobutadiene	"	ND	---	0.200	"	"	ND	--	--	--	NR "		"	
Hexachloroethane	"	ND	---	0.200	"	"	ND	--	--	--	NR "		"	
Nitrobenzene	"	ND	---	0.200	"	"	ND	--	--	--	NR "		"	
Pentachlorophenol	"	ND	---	0.400	"	"	ND	--	--	--	NR "		"	
Pyridine	"	ND	---	0.800	"	"	ND	--	--	--	NR "		"	
Total Cresols	"	1.79	---	0.400	"	"	1.84	--	--	--	2.67%		"	
2,4,5-Trichlorophenol	"	ND	---	0.200	"	"	ND	--	--	--	NR "		"	
2,4,6-Trichlorophenol	"	ND	---	0.200	"	"	ND	--	--	--	NR "		"	

<i>Surrogate(s): 2-Fluorophenol</i>	<i>Recovery:</i>	<i>52.7%</i>		<i>Limits: 7-116%</i>	<i>"</i>								<i>10/02/07 22:17</i>	
<i>Phenol-d6</i>		<i>29.7%</i>		<i>1-114%</i>	<i>"</i>								<i>"</i>	
<i>2,4,6-Tribromophenol</i>		<i>94.2%</i>		<i>33-150%</i>	<i>"</i>								<i>"</i>	
<i>Nitrobenzene-d5</i>		<i>84.0%</i>		<i>29-140%</i>	<i>"</i>								<i>"</i>	
<i>2-Fluorobiphenyl</i>		<i>81.8%</i>		<i>12-135%</i>	<i>"</i>								<i>"</i>	
<i>p-Terphenyl-d14</i>		<i>83.8%</i>		<i>47-138%</i>	<i>"</i>								<i>"</i>	

**Matrix Spike (7100022-MS1)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Matrix Spike (7100022-MS1)</b>							<b>QC Source: PQH0767-01</b>			<b>Extracted: 10/01/07 15:00</b>				<b>RL3</b>
1,4-Dichlorobenzene	1311/8270	0.293	---	0.500	mg/l	10x	ND	0.400	73.2%	(14-100)	--	--	10/02/07 21:31	
2,4-Dinitrotoluene	"	0.282	---	0.500	"	"	ND	"	70.4%	(36-131)	--	--	"	
Hexachlorobenzene	"	0.238	---	0.500	"	"	ND	"	59.5%	(39-128)	--	--	"	
Hexachlorobutadiene	"	0.293	---	0.500	"	"	ND	"	73.3%	(9-122)	--	--	"	
Hexachloroethane	"	0.279	---	0.500	"	"	ND	"	69.7%	(1-118)	--	--	"	
Nitrobenzene	"	0.330	---	0.500	"	"	ND	"	82.4%	(11-153)	--	--	"	
Pentachlorophenol	"	0.312	---	1.00	"	"	ND	"	77.9%	(17-154)	--	--	"	
Pyridine	"	0.214	---	2.00	"	"	ND	"	53.6%	(1-110)	--	--	"	
Total Cresols	"	2.63	---	1.00	"	"	1.84	1.20	65.9%	(1-132)	--	--	"	
2,4,5-Trichlorophenol	"	0.330	---	0.500	"	"	ND	0.400	82.5%	(43-132)	--	--	"	
2,4,6-Trichlorophenol	"	0.333	---	0.500	"	"	ND	"	83.3%	(34-133)	--	--	"	

<i>Surrogate(s): 2-Fluorophenol</i>	<i>Recovery:</i>	<i>54.7%</i>		<i>Limits: 7-116%</i>	<i>"</i>								<i>10/02/07 21:31</i>	
<i>Phenol-d6</i>		<i>31.0%</i>		<i>1-114%</i>	<i>"</i>								<i>"</i>	
<i>2,4,6-Tribromophenol</i>		<i>93.9%</i>		<i>33-150%</i>	<i>"</i>								<i>"</i>	
<i>Nitrobenzene-d5</i>		<i>84.7%</i>		<i>29-140%</i>	<i>"</i>								<i>"</i>	
<i>2-Fluorobiphenyl</i>		<i>84.1%</i>		<i>12-135%</i>	<i>"</i>								<i>"</i>	
<i>p-Terphenyl-d14</i>		<i>90.5%</i>		<i>47-138%</i>	<i>"</i>								<i>"</i>	

TestAmerica - Portland, OR

*Howard B. Holmes*

Howard Holmes, Project Manager

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<b>Coles Environmental</b> 750 S. Rosemont Rd. West Linn, OR 97068	Project Name: <b>Harbor Tank 23</b>	Report Created:
	Project Number: P7176.1	10/11/07 08:06
	Project Manager: David G. Coles	

**Conventional Chemistry Parameters per APHA/EPA Methods - Laboratory Quality Control Results**  
 TestAmerica - Portland, OR

**QC Batch: 7080872      Soil Preparation Method: General Preparation**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC (Limits)	% RPD (Limits)	Analyzed	Notes
<b>Duplicate (7080872-DUP1)</b>			<b>QC Source: PQG0978-05</b>				<b>Extracted: 08/20/07 10:41</b>					
pH	EPA 9045B	9.44	---		pH Units	1x	9.45	--	--	--	0.106%(25)	08/20/07 12:51

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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<b>Coles Environmental</b> 750 S. Rosemont Rd. West Linn, OR 97068	Project Name: <b>Harbor Tank 23</b> Project Number: P7176.1 Project Manager: David G. Coles	Report Created: 10/11/07 08:06
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**Physical Parameters per APHA/ASTM/EPA Methods - Laboratory Quality Control Results**  
 TestAmerica - Portland, OR

**QC Batch: 7080872      Soil Preparation Method: General Preparation**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC (Limits)	% RPD (Limits)	Analyzed	Notes	
<b>Duplicate (7080872-DUP1)</b>			QC Source: PQG0978-05					Extracted: 08/20/07 10:41					
Corrosivity	EPA 9040B	9.44	---		pH Units	1x	9.45	--	--	0.106% (20)	08/20/07 12:51		

**QC Batch: 7081270      Other wet Preparation Method: EPA 1010**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC (Limits)	% RPD (Limits)	Analyzed	Notes	
<b>LCS (7081270-BS1)</b>								Extracted: 08/27/07 13:48					
Flashpoint	EPA 1010	125	---		°F	1x	--	127	98.4% (95-105)	--	08/27/07 18:48		
<b>Duplicate (7081270-DUP1)</b>			QC Source: PQH0767-01					Extracted: 08/27/07 13:48					
Flashpoint	EPA 1010	ND	---	150	°F	1x	ND	--	--	(20)	08/27/07 18:48		

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Howard Holmes, Project Manager

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<b>Coles Environmental</b> 750 S. Rosemont Rd. West Linn, OR 97068	Project Name:	<b>Harbor Tank 23</b>	Report Created:
	Project Number:	P7176.1	10/11/07 08:06
	Project Manager:	David G. Coles	

**TCLP Extraction Only - Laboratory Quality Control Results**  
 TestAmerica - Portland, OR

**QC Batch: 7091053      Soil Preparation Method: EPA 1311**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (7091053-BLK1)</b>										Extracted: 09/25/07 17:17				
Extraction	EPA 1311	ND	---	1.00	N/A	1x	--	--	--	--	--	--	09/26/07 18:09	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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<b>Coles Environmental</b> 750 S. Rosemont Rd. West Linn, OR 97068	Project Name: <b>Harbor Tank 23</b> Project Number: P7176.1 Project Manager: David G. Coles	Report Created: 10/11/07 08:06
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**Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results**  
TestAmerica - Seattle, WA

**QC Batch: 7H27015 Water Preparation Method: EPA 7470A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC (Limits)	% RPD (Limits)	Analyzed	Notes
<b>Blank (7H27015-BLK1)</b> <span style="float:right">Extracted: 08/27/07 10:30</span>												
Mercury	EPA 7470A	ND	---	0.000200	mg/l	1x	--	--	--	--	08/27/07 15:24	
<b>LCS (7H27015-BS1)</b> <span style="float:right">Extracted: 08/27/07 10:30</span>												
Mercury	EPA 7470A	0.00458	---	0.000200	mg/l	1x	--	0.0050091.6%	(80-120)	--	08/27/07 15:26	
<b>LCS Dup (7H27015-BSD1)</b> <span style="float:right">Extracted: 08/27/07 10:30</span>												
Mercury	EPA 7470A	0.00468	---	0.000200	mg/l	1x	--	0.0050093.5%	(80-120)	2.06% (20)	08/27/07 15:29	
<b>Duplicate (7H27015-DUP1)</b> <span style="float:right">QC Source: BQH0611-01</span> <span style="float:right">Extracted: 08/27/07 10:30</span>												
Mercury	EPA 7470A	ND	---	0.000200	mg/l	1x	ND	--	--	54.0% (20)	08/27/07 16:01	R4
<b>Matrix Spike (7H27015-MS1)</b> <span style="float:right">QC Source: BQH0611-01</span> <span style="float:right">Extracted: 08/27/07 10:30</span>												
Mercury	EPA 7470A	0.00536	---	0.000200	mg/l	1x	0.0000707	0.00500	106%	(75-125)	08/27/07 15:31	

**QC Batch: 7H28007 Water Preparation Method: EPA 3020A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC (Limits)	% RPD (Limits)	Analyzed	Notes
<b>Blank (7H28007-BLK1)</b> <span style="float:right">Extracted: 08/28/07 09:11</span>												
Silver	EPA 6020	ND	---	0.00100	mg/l	1x	--	--	--	--	08/31/07 07:31	
Lead	"	ND	---	0.00100	"	"	--	--	--	--	"	
Barium	"	ND	---	0.0100	"	"	--	--	--	--	"	
Chromium	"	ND	---	0.00100	"	"	--	--	--	--	"	
Cadmium	"	ND	---	0.00100	"	"	--	--	--	--	"	
Arsenic	"	ND	---	0.00100	"	"	--	--	--	--	"	
Selenium	"	ND	---	0.00100	"	"	--	--	--	--	09/05/07 06:10	
<b>LCS (7H28007-BS1)</b> <span style="float:right">Extracted: 08/28/07 09:11</span>												
Barium	EPA 6020	0.0800	---	0.0100	mg/l	1x	--	0.0800	100%	(80-120)	08/31/07 07:37	
Selenium	"	0.0720	---	0.00100	"	"	--	"	90.0%	"	09/05/07 06:16	
Arsenic	"	0.0691	---	0.00100	"	"	--	"	86.4%	"	08/31/07 07:37	
Cadmium	"	0.0717	---	0.00100	"	"	--	"	89.7%	"	"	
Lead	"	0.0751	---	0.00100	"	"	--	"	93.8%	"	"	
Chromium	"	0.0807	---	0.00100	"	"	--	"	101%	"	"	
Silver	"	0.0777	---	0.00100	"	"	--	"	97.2%	"	"	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:  
 10/11/07 08:06

**Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results**

TestAmerica - Seattle, WA

QC Batch: 7H28007

Water Preparation Method: EPA 3020A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Duplicate (7H28007-DUP1)</b>			QC Source: PQH0767-06				Extracted: 08/28/07 09:11							
Arsenic	EPA 6020	ND	---	0.00100	mg/l	1x	ND	--	--	--	NR (20)	08/31/07 08:07		
Barium	"	ND	---	0.0100	"	"	ND	--	--	--	"	"		
Chromium	"	ND	---	0.00100	"	"	ND	--	--	--	3.21%	"	"	
Selenium	"	ND	---	0.00100	"	"	ND	--	--	--	"	"		
Silver	"	ND	---	0.00100	"	"	ND	--	--	--	(50)	"		
Lead	"	ND	---	0.00100	"	"	ND	--	--	--	5.31% (20)	"		
Cadmium	"	ND	---	0.00100	"	"	ND	--	--	--	NR	"	"	
<b>Matrix Spike (7H28007-MS1)</b>			QC Source: PQH0767-06				Extracted: 08/28/07 09:11							
Selenium	EPA 6020	0.0579	---	0.00100	mg/l	1x	ND	0.0800	72.3%	(78-120)	--	--	09/05/07 06:40	M2
Cadmium	"	0.0727	---	0.00100	"	"	ND	"	90.9%	(80-120)	--	--	08/31/07 08:01	
Lead	"	0.0766	---	0.00100	"	"	0.000580	"	95.1%	"	--	--	"	
Barium	"	0.0813	---	0.0100	"	"	ND	"	102%	(53-142)	--	--	"	
Chromium	"	0.0833	---	0.00100	"	"	0.000920	"	103%	(80-120)	--	--	"	
Arsenic	"	0.0697	---	0.00100	"	"	ND	"	87.1%	(75-125)	--	--	"	
Silver	"	0.0792	---	0.00100	"	"	ND	"	99.0%	(21-142)	--	--	"	
<b>Post Spike (7H28007-PS1)</b>			QC Source: PQH0767-06				Extracted: 08/28/07 09:11							
Silver	EPA 6020	0.195	---		ug/ml	1x	ND	0.200	97.4%	(75-125)	--	--	08/31/07 07:55	
Selenium	"	0.0704	---		"	"	0.0000800	"	35.2%	"	--	--	09/05/07 06:22	S3
Arsenic	"	0.176	---		"	"	0.0000300	0.199	88.2%	"	--	--	08/31/07 07:55	
Chromium	"	0.218	---		"	"	0.000920	0.201	108%	"	--	--	"	
Barium	"	0.199	---		"	"	0.000190	0.200	99.3%	"	--	--	"	
Cadmium	"	0.175	---		"	"	-0.0000600	"	87.6%	"	--	--	"	
Lead	"	0.182	---		"	"	0.000580	0.201	90.2%	"	--	--	"	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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<b>Coles Environmental</b> 750 S. Rosemont Rd. West Linn, OR 97068	Project Name: <b>Harbor Tank 23</b> Project Number: P7176.1 Project Manager: David G. Coles	Report Created: 10/11/07 08:06
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**Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results**  
 TestAmerica - Seattle, WA

**QC Batch: 7H28047      Soil Preparation Method: EPA 3050B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	---------------	-----------	-------	----------	-------	----------	----------	-------

**Blank (7H28047-BLK1)** Extracted: 08/28/07 13:56

Chromium	EPA 6020	ND	---	0.500	mg/kg wet	1x	--	--	--	--	--	--	08/29/07 11:59	
Silver	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Selenium	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Arsenic	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Cadmium	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Barium	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Lead	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	

**LCS (7H28047-BS1)** Extracted: 08/28/07 13:56

Silver	EPA 6020	40.2	---	0.500	mg/kg wet	1x	--	40.0	101%	(80-120)	--	--	08/29/07 12:05	
Cadmium	"	40.4	---	0.500	"	"	--	"	101%	"	--	--	"	
Barium	"	42.0	---	5.00	"	"	--	"	105%	"	--	--	"	
Selenium	"	39.1	---	0.500	"	"	--	"	97.7%	"	--	--	"	
Chromium	"	39.9	---	0.500	"	"	--	"	99.8%	"	--	--	"	
Lead	"	38.9	---	0.500	"	"	--	"	97.3%	"	--	--	"	
Arsenic	"	40.2	---	0.500	"	"	--	"	100%	"	--	--	"	

**Duplicate (7H28047-DUP1)** QC Source: BQH0634-02      Extracted: 08/28/07 13:56

Lead	EPA 6020	20.0	---	0.631	mg/kg dry	1x	20.8	--	--	--	3.94%	(30)	08/29/07 12:52	
Silver	"	ND	---	0.631	"	"	ND	--	--	--		(50)	"	R4
Barium	"	147	---	6.31	"	"	180	--	--	--	20.1%	(30)	"	
Selenium	"	ND	---	0.631	"	"	ND	--	--	--		"	"	R4
Arsenic	"	3.02	---	0.631	"	"	3.34	--	--	--	10.3%	"	"	
Cadmium	"	ND	---	0.631	"	"	ND	--	--	--	1.65%	"	"	R4
Chromium	"	23.6	---	0.631	"	"	22.8	--	--	--	3.16%	"	"	

**Matrix Spike (7H28047-MS1)** QC Source: BQH0634-02      Extracted: 08/28/07 13:56

Chromium	EPA 6020	82.6	---	0.675	mg/kg dry	1x	22.8	54.0	111%	(30-163)	--	--	08/29/07 12:17	
Barium	"	214	---	6.75	"	"	180	"	62.3%	(20-160)	--	--	"	
Selenium	"	52.0	---	0.675	"	"	ND	"	96.2%	(61-120)	--	--	"	
Cadmium	"	56.9	---	0.675	"	"	0.379	"	105%	(80-120)	--	--	"	
Arsenic	"	56.5	---	0.675	"	"	3.34	"	98.5%	(57-125)	--	--	"	
Silver	"	53.5	---	0.675	"	"	ND	"	99.1%	(54-126)	--	--	"	
Lead	"	75.3	---	0.675	"	"	20.8	"	101%	(29-166)	--	--	"	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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<b>Coles Environmental</b> 750 S. Rosemont Rd. West Linn, OR 97068	Project Name: <b>Harbor Tank 23</b> Project Number: P7176.1 Project Manager: David G. Coles	Report Created: 10/11/07 08:06
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**Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results**  
 TestAmerica - Seattle, WA

**QC Batch: 7H28047      Soil Preparation Method: EPA 3050B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Post Spike (7H28047-PS1)</b>			<b>QC Source: BQH0634-02</b>				<b>Extracted: 08/28/07 13:56</b>							
Chromium	EPA 6020	0.138	---		ug/ml	1x	0.0362	0.100	102%	(75-125)	--	--	08/29/07 12:11	
Cadmium	"	0.103	---		"	"	0.000600	"	102%	"	--	--	"	
Lead	"	0.131	---		"	"	0.0329	"	97.5%	"	--	--	"	
Selenium	"	0.0973	---		"	"	0.000270	"	97.0%	"	--	--	"	
Silver	"	0.0995	---		"	"	0.0000800	"	99.4%	"	--	--	"	
Arsenic	"	0.109	---		"	"	0.00530	0.0995	104%	"	--	--	"	

<b>Post Spike (7H28047-PS2)</b>			<b>QC Source: BQH0634-02</b>				<b>Extracted: 08/28/07 13:56</b>							
Barium	EPA 6020	0.389	---		ug/ml	2x	0.285	0.100	103%	(75-125)	--	--	08/29/07 12:46	

**QC Batch: 7H28052      Soil Preparation Method: EPA 7471A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (7H28052-BLK1)</b>			<b>QC Source: BQH0634-02</b>				<b>Extracted: 08/28/07 16:12</b>							
Mercury	EPA 7471A	ND	---	0.100	mg/kg wet	1x	--	--	--	--	--	--	08/29/07 12:58	
<b>LCS (7H28052-BS1)</b>			<b>QC Source: BQH0634-02</b>				<b>Extracted: 08/28/07 16:12</b>							
Mercury	EPA 7471A	0.597	---	0.100	mg/kg wet	1x	--	0.667	89.6%	(80-120)	--	--	08/29/07 13:00	
<b>LCS Dup (7H28052-BSD1)</b>			<b>QC Source: BQH0634-02</b>				<b>Extracted: 08/28/07 16:12</b>							
Mercury	EPA 7471A	0.620	---	0.100	mg/kg wet	1x	--	0.667	93.0%	(80-120)	3.70%	(20)	08/29/07 13:02	
<b>Duplicate (7H28052-DUP1)</b>			<b>QC Source: BQH0634-02</b>				<b>Extracted: 08/28/07 16:12</b>							
Mercury	EPA 7471A	ND	---	0.127	mg/kg dry	1x	ND	--	--	--	25.5%	(30)	08/29/07 13:30	R4
<b>Matrix Spike (7H28052-MS1)</b>			<b>QC Source: BQH0634-02</b>				<b>Extracted: 08/28/07 16:12</b>							
Mercury	EPA 7471A	0.829	---	0.128	mg/kg dry	1x	0.0583	0.855	90.2%	(70-130)	--	--	08/29/07 13:05	
<b>Matrix Spike Dup (7H28052-MSD1)</b>			<b>QC Source: BQH0634-02</b>				<b>Extracted: 08/28/07 16:12</b>							
Mercury	EPA 7471A	0.856	---	0.132	mg/kg dry	1x	0.0583	0.877	90.9%	(70-130)	3.10%	(30)	08/29/07 13:07	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results**  
 TestAmerica - Seattle, WA

QC Batch: 7H29025 Soil Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (7H29025-BLK1)</b>													Extracted: 08/30/07 09:39	
m,p-Xylene	EPA 8260B	ND	---	0.200	mg/kg wet	1x	--	--	--	--	--	--	08/30/07 13:35	
o-Xylene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Acetone	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Benzene	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results**  
 TestAmerica - Seattle, WA

QC Batch: 7H29025 Soil Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (7H29025-BLK1)</b>													Extracted: 08/30/07 09:39	
trans-1,3-Dichloropropene	EPA 8260B	ND	---	0.100	mg/kg wet	1x	--	--	--	--	--	--	08/30/07 13:35	
Ethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Hexachlorobutadiene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	0.0500	"	"	--	--	--	--	--	--	"	
n-Hexane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Total Xylenes	"	ND	---	0.300	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>Recovery:</i>	92.7%	<i>Limits:</i> 75-125%		"							08/30/07 13:35	
<i>Toluene-d8</i>			94.8%	75-125%		"							"	
<i>4-BFB</i>			101%	75-125%		"							"	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results**  
 TestAmerica - Seattle, WA

QC Batch: 7H29025 Soil Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>LCS (7H29025-BS1)</b>													<b>Extracted: 08/30/07 09:39</b>	
o-Xylene	EPA 8260B	2.27	---	0.100	mg/kg wet	1x	--	2.00	113%	(70-130)	--	--	08/30/07 12:06	
m,p-Xylene	"	4.55	---	0.200	"	"	--	4.00	114%	"	--	--	"	
Benzene	"	2.38	---	0.0200	"	"	--	2.00	119%	(75-125)	--	--	"	
Chlorobenzene	"	2.32	---	0.100	"	"	--	"	116%	"	--	--	"	
1,2-Dibromoethane	"	2.27	---	0.0500	"	"	--	"	113%	(70-130)	--	--	"	
1,2-Dichloroethane	"	2.21	---	0.100	"	"	--	"	111%	(0-200)	--	--	"	
1,1-Dichloroethene	"	2.51	---	0.100	"	"	--	"	125%	(69-128)	--	--	"	
Ethylbenzene	"	2.27	---	0.100	"	"	--	"	114%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	2.38	---	0.0500	"	"	--	"	119%	"	--	--	"	
Trichloroethene	"	2.40	---	0.100	"	"	--	"	120%	(75-125)	--	--	"	
Total Xylenes	"	6.82	---	0.300	"	"	--	6.00	114%	(70-130)	--	--	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>Recovery:</i>		<i>90.5%</i>		<i>Limits:</i>		<i>75-125%</i>				<i>"</i>		<i>08/30/07 12:06</i>
<i>Toluene-d8</i>				<i>89.7%</i>				<i>75-125%</i>				<i>"</i>		<i>"</i>
<i>4-BFB</i>				<i>100%</i>				<i>75-125%</i>				<i>"</i>		<i>"</i>

<b>LCS Dup (7H29025-BSD1)</b>													<b>Extracted: 08/30/07 09:39</b>	
o-Xylene	EPA 8260B	2.29	---	0.100	mg/kg wet	1x	--	2.00	114%	(70-130)	0.791% (20)		08/30/07 12:34	
m,p-Xylene	"	4.64	---	0.200	"	"	--	4.00	116%	"	1.91%	"	"	
Benzene	"	2.39	---	0.0200	"	"	--	2.00	120%	(75-125)	0.293%	"	"	
Chlorobenzene	"	2.38	---	0.100	"	"	--	"	119%	"	2.59%	"	"	
1,2-Dibromoethane	"	2.32	---	0.0500	"	"	--	"	116%	(70-130)	2.14%	"	"	
1,2-Dichloroethane	"	2.27	---	0.100	"	"	--	"	113%	(0-200)	2.45% (200)	"	"	
1,1-Dichloroethene	"	2.50	---	0.100	"	"	--	"	125%	(69-128)	0.120% (20)	"	"	
Ethylbenzene	"	2.33	---	0.100	"	"	--	"	117%	(70-130)	2.69%	"	"	
Methyl tert-butyl ether	"	2.38	---	0.0500	"	"	--	"	119%	"	0.0840%	"	"	
Trichloroethene	"	2.40	---	0.100	"	"	--	"	120%	(75-125)	0.0416%	"	"	
Total Xylenes	"	6.93	---	0.300	"	"	--	6.00	115%	(70-130)	1.54% (30)	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>Recovery:</i>		<i>91.1%</i>		<i>Limits:</i>		<i>75-125%</i>				<i>"</i>		<i>08/30/07 12:34</i>
<i>Toluene-d8</i>				<i>90.4%</i>				<i>75-125%</i>				<i>"</i>		<i>"</i>
<i>4-BFB</i>				<i>100%</i>				<i>75-125%</i>				<i>"</i>		<i>"</i>

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:  
 10/11/07 08:06

**Volatile Organic Compounds by EPA Method 8260B - Laboratory Quality Control Results**  
 TestAmerica - Seattle, WA

QC Batch: 7H27050 Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Blank (7H27050-BLK1)</b>													Extracted: 08/27/07 10:00	
Acetone	EPA 8260B	ND	---	20.0	ug/l	1x	--	--	--	--	--	--	08/27/07 12:51	
Benzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1-Chlorohexane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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<b>Coles Environmental</b> 750 S. Rosemont Rd. West Linn, OR 97068	Project Name: <b>Harbor Tank 23</b> Project Number: P7176.1 Project Manager: David G. Coles	Report Created: 10/11/07 08:06
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**Volatile Organic Compounds by EPA Method 8260B - Laboratory Quality Control Results**  
 TestAmerica - Seattle, WA

**QC Batch: 7H27050      Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC (Limits)	% RPD (Limits)	Analyzed	Notes
<b>Blank (7H27050-BLK1)</b>												Extracted: 08/27/07 10:00
Ethylbenzene	EPA 8260B	ND	---	1.00	ug/l	1x	--	--	--	--	08/27/07 12:51	
Hexachlorobutadiene	"	ND	---	5.00	"	"	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	2.00	"	"	--	--	--	--	"	
n-Hexane	"	ND	---	2.00	"	"	--	--	--	--	"	C
2-Hexanone	"	ND	---	10.0	"	"	--	--	--	--	"	
Isopropylbenzene	"	ND	---	1.00	"	"	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	1.00	"	"	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	10.0	"	"	--	--	--	--	"	
Methylene chloride	"	ND	---	5.00	"	"	--	--	--	--	"	
Naphthalene	"	ND	---	5.00	"	"	--	--	--	--	"	
n-Propylbenzene	"	ND	---	1.00	"	"	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	"	
Tetrachloroethene	"	ND	---	1.00	"	"	--	--	--	--	"	
Toluene	"	ND	---	1.00	"	"	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	"	
Trichloroethene	"	ND	---	1.00	"	"	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	"	
Vinyl chloride	"	ND	---	1.00	"	"	--	--	--	--	"	
o-Xylene	"	ND	---	1.00	"	"	--	--	--	--	"	
m,p-Xylene	"	ND	---	2.00	"	"	--	--	--	--	"	
Total Xylenes	"	ND	---	3.00	"	"	--	--	--	--	"	
<i>Surrogate(s): 1,2-DCA-d4      Recovery: 92.8%      Limits: 70-130%      "      08/27/07 12:51</i>												
<i>Toluene-d8      101%      75-125%      "      "</i>												
<i>4-BFB      99.8%      75-125%      "      "</i>												

TestAmerica - Portland, OR



Howard Holmes, Project Manager

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**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Volatile Organic Compounds by EPA Method 8260B - Laboratory Quality Control Results**

TestAmerica - Seattle, WA

QC Batch: 7H27050

Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>LCS (7H27050-BS1)</b>													<b>Extracted: 08/27/07 10:00</b>	
Benzene	EPA 8260B	20.5	---	1.00	ug/l	1x	--	20.0	102%	(80-120)	--	--	08/27/07 11:42	
Chlorobenzene	"	22.1	---	1.00	"	"	--	"	110%	"	--	--	"	
1,2-Dibromoethane	"	22.9	---	1.00	"	"	--	"	114%	(75-125)	--	--	"	
1,2-Dichloroethane	"	19.8	---	1.00	"	"	--	"	99.0%	"	--	--	"	
1,1-Dichloroethene	"	21.7	---	1.00	"	"	--	"	108%	"	--	--	"	
Methyl tert-butyl ether	"	21.6	---	2.00	"	"	--	"	108%	(75-126)	--	--	"	
Toluene	"	22.0	---	1.00	"	"	--	"	110%	(75-125)	--	--	"	
Trichloroethene	"	21.6	---	1.00	"	"	--	"	108%	"	--	--	"	
Total Xylenes	"	66.7	---	3.00	"	"	--	60.0	111%	"	--	--	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>Recovery:</i>	<i>92.5%</i>	<i>Limits: 70-130%</i>								<i>08/27/07 11:42</i>		
<i>Toluene-d8</i>			<i>103%</i>	<i>75-125%</i>								<i>"</i>		
<i>4-BFB</i>			<i>96.1%</i>	<i>75-125%</i>								<i>"</i>		

<b>LCS Dup (7H27050-BSD1)</b>													<b>Extracted: 08/27/07 10:00</b>	
Benzene	EPA 8260B	18.9	---	1.00	ug/l	1x	--	20.0	94.5%	(80-120)	8.12% (20)		08/27/07 12:14	
Chlorobenzene	"	20.7	---	1.00	"	"	--	"	103%	"	6.69%	"	"	
1,2-Dibromoethane	"	23.0	---	1.00	"	"	--	"	115%	(75-125)	0.436%	"	"	
1,2-Dichloroethane	"	19.0	---	1.00	"	"	--	"	94.8%	"	4.44%	"	"	
1,1-Dichloroethene	"	18.7	---	1.00	"	"	--	"	93.7%	"	14.5%	"	"	
Methyl tert-butyl ether	"	20.6	---	2.00	"	"	--	"	103%	(75-126)	4.98%	"	"	
Toluene	"	20.7	---	1.00	"	"	--	"	104%	(75-125)	6.08%	"	"	
Trichloroethene	"	19.6	---	1.00	"	"	--	"	97.8%	"	9.77%	"	"	
Total Xylenes	"	61.3	---	3.00	"	"	--	60.0	102%	"	8.47%	"	"	
<i>Surrogate(s): 1,2-DCA-d4</i>		<i>Recovery:</i>	<i>93.6%</i>	<i>Limits: 70-130%</i>								<i>08/27/07 12:14</i>		
<i>Toluene-d8</i>			<i>104%</i>	<i>75-125%</i>								<i>"</i>		
<i>4-BFB</i>			<i>99.0%</i>	<i>75-125%</i>								<i>"</i>		

TestAmerica - Portland, OR



Howard Holmes, 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.*



**Coles Environmental**

750 S. Rosemont Rd.  
 West Linn, OR 97068

Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

**Inductively Coupled Plasma - Mass Spectrometry TCL - Laboratory Quality Control Results**  
 TestAmerica Tacoma

**QC Batch: 23535      Soil Preparation Method: 3010A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Matrix Spike Dup (74615D)</b>				<b>QC Source: PQH0767-05</b>				<b>Extracted: 09/25/07 18:53</b>						
Lead	6020 TCLP	46.5	---	0.20	mg/L	50x	ND	50.0	93%	(50-150)	1%	(20)	09/25/07 18:51	
Chromium	"	47.3	---	0.20	"	"	ND	"	95%	"	3%	"	"	
<b>Matrix Spike (74615S)</b>				<b>QC Source: PQH0767-05</b>				<b>Extracted: 09/25/07 18:53</b>						
Lead	6020 TCLP	47.2	---	0.20	mg/L	50x	ND	50.0	94%	(50-150)	--	--	09/25/07 18:45	
Chromium	"	46.0	---	0.20	"	"	ND	"	92%	"	--	--	"	
<b>Duplicate (74615X)</b>				<b>QC Source: PQH0767-05</b>				<b>Extracted: 09/25/07 18:53</b>						
Lead	6020 TCLP	ND	---	0.040	mg/L	10x	ND	--	--	--	4%	(20)	09/25/07 18:39	
Chromium	"	ND	---	0.040	"	"	ND	--	--	--	10%	"	"	

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Report Created:

10/11/07 08:06

**Volatile Organic Compounds by GC/MS TCLP - Laboratory Quality Control Results**

TestAmerica Tacoma

QC Batch: 23810

Soil Preparation Method: 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
<b>Duplicate (580-23810-4)</b>			<b>QC Source: 580-23810-3</b>				<b>Extracted: 09/27/07 21:37</b>							
Vinyl chloride	8260B TCLP	ND	---	0.50	mg/L	500x	ND	--	--	--	NC% (20)		09/27/07 21:37	
1,1-Dichloroethene	"	ND	---	0.50	"	"	ND	--	--	--	NC% (15)		"	
2-Butanone	"	ND	---	2.5	"	"	ND	--	--	--	NC% (20)		"	
Chloroform	"	ND	---	0.50	"	"	ND	--	--	--	NC% "		"	
Carbon tetrachloride	"	ND	---	0.50	"	"	ND	--	--	--	NC% "		"	
Benzene	"	ND	---	0.50	"	"	ND	--	--	--	NC% (12)		"	
1,2-Dichloroethane	"	ND	---	0.50	"	"	ND	--	--	--	NC% (20)		"	
Trichloroethene	"	ND	---	0.50	"	"	ND	--	--	--	NC% (13)		"	
Tetrachloroethene	"	ND	---	0.50	"	"	ND	--	--	--	NC% (20)		"	
Chlorobenzene	"	ND	---	0.50	"	"	ND	--	--	--	NC% (13)		"	

<i>Surrogate(s): Fluorobenzene (Surr)</i>	<i>Recovery:</i>	<i>98%</i>	<i>Limits:</i>	<i>80-120%</i>	<i>"</i>	<i>09/27/07 21:37</i>
<i>Toluene-d8 (Surr)</i>	<i>92%</i>	<i>85-120%</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Ethylbenzene-d10</i>	<i>86%</i>	<i>80-120%</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>4-Bromofluorobenzene (Surr)</i>	<i>100%</i>	<i>75-120%</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Trifluorotoluene (Surr)</i>	<i>103%</i>	<i>80-120%</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Matrix Spike (580-23810-5)**

QC Source: 580-23810-3

Extracted: 09/27/07 21:59

Vinyl chloride	8260B TCLP	2.59	---	0.50	mg/L	500x	ND	2.50	103%	(50-145)	--	--	09/27/07 21:59	
1,1-Dichloroethene	"	2.47	---	0.50	"	"	ND	"	99%	(70-130)	--	--	"	
2-Butanone	"	14.1	---	2.5	"	"	ND	12.5	113%	(30-150)	--	--	"	
Chloroform	"	2.53	---	0.50	"	"	ND	2.50	101%	(65-135)	--	--	"	
Carbon tetrachloride	"	2.51	---	0.50	"	"	ND	"	100%	(65-140)	--	--	"	
Benzene	"	2.58	---	0.50	"	"	ND	"	103%	(80-120)	--	--	"	
1,2-Dichloroethane	"	2.38	---	0.50	"	"	ND	"	95%	(70-130)	--	--	"	
Trichloroethene	"	2.57	---	0.50	"	"	ND	"	103%	(75-125)	--	--	"	
Tetrachloroethene	"	2.42	---	0.50	"	"	ND	"	97%	(45-150)	--	--	"	
Chlorobenzene	"	2.69	---	0.50	"	"	ND	"	108%	(80-120)	--	--	"	

<i>Surrogate(s): Fluorobenzene (Surr)</i>	<i>Recovery:</i>	<i>97%</i>	<i>Limits:</i>	<i>80-120%</i>	<i>"</i>	<i>09/27/07 21:59</i>
<i>Toluene-d8 (Surr)</i>	<i>96%</i>	<i>85-120%</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Ethylbenzene-d10</i>	<i>92%</i>	<i>80-120%</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>4-Bromofluorobenzene (Surr)</i>	<i>98%</i>	<i>75-120%</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Trifluorotoluene (Surr)</i>	<i>107%</i>	<i>80-120%</i>	<i>"</i>	<i>"</i>	<i>"</i>	

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**Coles Environmental**

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Project Name: **Harbor Tank 23**

Project Number: P7176.1

Project Manager: David G. Coles

Report Created:

10/11/07 08:06

## Notes and Definitions

### Report Specific Notes:

- C - Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
- C8 - Calibration Verification recovery was above the method control limit for this analyte. A high bias may be indicated.
- H - Sample analysis performed past method-specified holding time.
- H8 - The sample was extracted past the holding time.
- L - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
- M2 - The MS and/or MSD were below the acceptance limits due to sample matrix interference. 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 weathered diesel.
- R4 - Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
- 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.
- S3 - Post digestion spike is out of acceptance limits for this analyte
- Z2 - Surrogate recovery was above the acceptance limits. Data not impacted.
- 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.

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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, OR



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## CHAIN OF CUSTODY REPORT

Work Order #: **PQH 07601**

CLIENT: <b>EMRI/CEC</b>		INVOICE TO: <b>OPRC/EMRI</b> <b>Attn John Oxford</b> <b>4150 N. Suttle Rd</b> <b>Portland, OR 97217</b> 503-286-8332										<b>TURNAROUND REQUEST</b> in Business Days * Organic & Inorganic Analyses Petroleum Hydrocarbon Analyses OTHER Specify:																																																																																																																																																																																																
REPORT TO: <b>DAVID G. COLES</b>		PRESERVATIVE										7 5 4 3 2 1 <1 4 3 2 1 <1																																																																																																																																																																																																
ADDRESS: <b>750 S Rosemont Rd</b> <b>West Linn, OR 97068</b>		REQUESTED ANALYSES										* Turnaround Request less than standard may incur Rush Charges.																																																																																																																																																																																																
PHONE: <b>503-636-3102</b> FAX: <b>dcolescec@comcast.net</b>		<table border="1"> <tr> <th>CLIENT SAMPLE IDENTIFICATION</th> <th>SAMPLING DATE-TIME</th> <th>Ignitability</th> <th>PH</th> <th>Corrosivity</th> <th>TCLP Toxicity</th> <th>RCRA 8 Total</th> <th>VOCs 8240B</th> <th>SUOCs</th> <th>8270C</th> <th>POST 8081A</th> <th>Mercuric</th> <th>8757 H</th> <th>PCBs</th> <th>8082</th> <th>MutPH</th> <th>HELD</th> <th>MATRIX W.S.OI</th> <th># OF CONT.</th> <th>LOCATION COMMENTS</th> <th>TA WO ID</th> </tr> <tr> <td>Q-1</td> <td>8/16/07 1450</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td>5</td> <td>3</td> <td></td> </tr> <tr> <td>Q-2</td> <td>1330</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Q-3</td> <td>1125</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Q-4</td> <td>1615</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Q-5</td> <td>1400</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Field Rinseate</td> <td>1345</td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td></td> <td></td> <td>W</td> <td>5</td> <td></td> </tr> <tr> <td>TB</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> </tr> <tr> <td>TB</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE-TIME	Ignitability	PH	Corrosivity	TCLP Toxicity	RCRA 8 Total	VOCs 8240B	SUOCs	8270C	POST 8081A	Mercuric	8757 H	PCBs	8082	MutPH	HELD	MATRIX W.S.OI	# OF CONT.	LOCATION COMMENTS	TA WO ID	Q-1	8/16/07 1450	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		5	3		Q-2	1330	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					Q-3	1125	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					Q-4	1615	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					Q-5	1400	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					Field Rinseate	1345					✓	✓								✓			W	5		TB	-						✓													1	TB																					MATRIA W.S.OI # OF CONT. LOCATION COMMENTS TA WO ID			
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RELEASED BY: <b>David G. Coles</b>		DATE: <b>8/17/07</b>		RECEIVED BY: <b>Helga Pedersen</b>										DATE: <b>8/17</b>																																																																																																																																																																																														
PRINT NAME: <b>D.G. Coles</b>		TIME: <b>1205</b>		PRINT NAME: <b>Helga Pedersen</b>										TIME: <b>1238</b>																																																																																																																																																																																														
RELEASED BY: <b>Ch-218</b>		DATE: <b>8/17/07</b>		RECEIVED BY:										DATE:																																																																																																																																																																																														
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ADDITIONAL REMARKS: <b>see attached list of parameters/analytical methods</b>												TEMP: <b>15.4</b>																																																																																																																																																																																																

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and for any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice unless otherwise contracted. Sample(s) will be disposed of after 30 days unless otherwise contracted.

organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides, herbicides, and polychlorinated biphenyls (PCBs). Finally, each sample will be analyzed using the Hydrocarbon Identification (HCID) method. Samples that contain detectable concentrations of petroleum hydrocarbons based on analysis with the HCID method will be analyzed using the NWTPII-Gx and/or NWTPH-Dx method.

All analytical methods will follow standard U.S. Environmental Protection Agency (EPA) procedures as outlined in Test Methods for Evaluating Solid Wastes - Physical/Chemical Methods (SW-846) as updated. The analytical methods expected for use during this project are as follows:

<u>Parameter</u>	<u>Analytical Method</u>
Ignitability	EPA Method 1010
pH	EPA Method 9045B
Corrosivity	EPA Method 9040C (aqueous) EPA Method 9045D (other)
Toxicity	EPA Method 1311/6020 and 7040 (aqueous) and 7041 (solids) (RCRA 8 Metals)
Metals	EPA Method 1311/8260B (organics) EPA Method 6020 and 7040 (aqueous) and 7041 (solids) plus TCLP if conc. >20 times characteristic values from 40 CFR 261.24
VOCs	EPA Method 8260B
SVOCs	EPA Method 8270C
Pesticides	EPA Method 8081A
Herbicides	EPA Method 8151 Modified
PCBs	EPA Method 8082
Hydrocarbon Identification	NWTPH-HCID
Gasoline-Range TPH	NWTPH-G extended
Diesel-Range TPH	NWTPH-D extended
Oil-Range TPH	NWTPH-D extended

Method Reporting Limits for these analytical method can be found in Appendix E

### B2.5 Decontamination Procedures

All core sampling equipment will be washed with a detergent (Alconox) and rinsed with distilled water between sampling locations to prevent cross-contamination. All stainless steel spoons or trowels used for sample collection will be similarly decontaminated prior to each sample by using Alconox, followed by a distilled water rinse.

### B2.6 Investigative Derived Waste (IDW)

Investigative derived waste (IDW) will be managed in a manner that is consistent with the U.S. Environmental Protection Agency (EPA) Guide to Management of Investigation Derived-