

APPENDIX J - JOINT ABIOTIC SURVEY LABORATORY RESULTS



LL Sample No. WW 3361669

Collected: 04/12/2000 14:20 by RB

Account Number: 08367

Submitted: 04/14/2000 09:10
 Reported: 05/09/00 at 04:34 PM
 Discard: 5/17/00
 SW-24 (2) Water Sample

ENTRIX, Incorporated
 10 Corporate Circle
 Suite 100
 New Castle DE 19720

Project: Chalk Point - Swanson's Creek

SW-24 SDG#: ATF54-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Detection Limit	Units	Dilution Factor
08407	STARS Petroleum Contaminants W						
08540	Methyl t-Butyl Ether	1634-04-4	0.2 J		0.2	ug/l	1
08541	Benzene	71-43-2	N.D.		0.2	ug/l	1
08543	Toluene	108-88-3	N.D.		0.2	ug/l	1
08545	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	N.D.		0.4	ug/l	1
08550	o-Xylene	95-47-6	N.D.		0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.		0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.		0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.		0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.		0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.		0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.		0.2	ug/l	1
08560	Naphthalene	91-20-3	N.D.		0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/19/2000 01:47	Linda C. Pape	1



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 2425 New Holland Pike
 PO Box 12425
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LL Sample No. WW 3361670

Collected: 04/12/2000 14:36 by RB

Account Number: 08367

Submitted: 04/14/2000 09:10

ENTRIX, Incorporated

Reported: 05/09/00 at 04:34 PM

10 Corporate Circle

Discard: 5/17/00

Suite 100

SW-25 (5) Water Sample

New Castle DE 19720

Project: Chalk Point - Swanson's Creek

SW-25 SDG#: ATF54-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08407	STARS Petroleum Contaminants W					
08540	Methyl t-Butyl Ether	1634-04-4	N.D.	0.2	ug/l	1
08541	Benzene	71-43-2	N.D.	0.2	ug/l	1
08543	Toluene	108-88-3	N.D.	0.2	ug/l	1
08545	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	N.D.	0.4	ug/l	1
08550	o-Xylene	95-47-6	N.D.	0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.	0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.	0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.	0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.	0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.	0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.	0.2	ug/l	1
08560	Naphthalene	91-20-3	N.D.	0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/19/2000 02:28	Linda C. Pape	1



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LL Sample No. WW 3361671

Collected: 04/12/2000 14:53 by RB

Account Number: 08367

Submitted: 04/14/2000 09:10

ENTRIX, Incorporated

Reported: 05/09/00 at 04:34 PM

10 Corporate Circle

Discard: 5/17/00

Suite 100

SW-26 (8) Water Sample

New Castle DE 19720

Project: Chalk Point - Swanson's Creek

SW-26 SDG#: ATF54-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08407	STARS Petroleum Contaminants W					
08540	Methyl t-Butyl Ether	1634-04-4	4.0	0.2	ug/l	1
08541	Benzene	71-43-2	0.2 J	0.2	ug/l	1
08543	Toluene	108-88-3	1.0	0.2	ug/l	1
08545	Ethylbenzene	100-41-4	0.3 J	0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	1.0 J	0.4	ug/l	1
08550	o-Xylene	95-47-6	0.5 J	0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.	0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.	0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.	0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	0.5 J	0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.	0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.	0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.	0.2	ug/l	1
08560	Naphthalene	91-20-3	0.3 J	0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/19/2000 03:09	Linda C. Pape	1



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0414000000



LL Sample No. WW 3361672

Collected: 04/12/2000 15:57 by RB

Account Number: 08367

Submitted: 04/14/2000 09:10

ENTRIX, Incorporated

Reported: 05/09/00 at 04:34 PM

10 Corporate Circle

Discard: 5/17/00

Suite 100

SW-27 (11) Water Sample

New Castle DE 19720

Project: Chalk Point - Swanson's Creek

SW-27 SDG#: ATF54-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08407	STARS Petroleum Contaminants W					
08540	Methyl t-Butyl Ether	1634-04-4	0.4 J	0.2	ug/l	1
08541	Benzene	71-43-2	N.D.	0.2	ug/l	1
08543	Toluene	108-88-3	N.D.	0.2	ug/l	1
08545	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	N.D.	0.4	ug/l	1
08550	o-Xylene	95-47-6	N.D.	0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.	0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.	0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.	0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.	0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.	0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.	0.2	ug/l	1
08560	Naphthalene	91-20-3	0.3 J	0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/19/2000 03:51	Linda C. Pape	1



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LL Sample No. WW 3361673

Collected: 04/12/2000 16:14 by RB

Account Number: 08367

Submitted: 04/14/2000 09:10
Reported: 05/09/00 at 04:34 PM
Discard: 5/17/00
SW-28 (14) Water Sample

ENTRIX, Incorporated
10 Corporate Circle
Suite 100
New Castle DE 19720

Project: Chalk Point - Swanson's Creek

SW-28 SDG#: ATF54-05

Table with columns: CAT No., Analysis Name, CAS Number, As Received Result, As Received Method Detection Limit, Units, Dilution Factor. Lists various petroleum contaminants with their respective results and limits.

Laboratory Chronicle

Summary table for Laboratory Chronicle with columns: CAT No., Analysis Name, Method, Trial#, Date and Time, Analyst, Dilution Factor.



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Vertical text on the right margin: 050 050 050



LL Sample No. WW 3361674

Collected: 04/12/2000 16:43 by RB

Account Number: 08367

Submitted: 04/14/2000 09:10

Reported: 05/09/00 at 04:34 PM

Discard: 5/17/00

SW-29 (17) Water Sample

ENTRIX, Incorporated
10 Corporate Circle
Suite 100
New Castle DE 19720

Project: Chalk Point - Swanson's Creek

SW-29 SDG#: ATF54-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08407	STARS Petroleum Contaminants W					
08540	Methyl t-Butyl Ether	1634-04-4	0.9 J	0.2	ug/l	1
08541	Benzene	71-43-2	N.D.	0.2	ug/l	1
08543	Toluene	108-88-3	0.2 J	0.2	ug/l	1
08545	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	N.D.	0.4	ug/l	1
08550	o-Xylene	95-47-6	N.D.	0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.	0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.	0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.	0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.	0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.	0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.	0.2	ug/l	1
08560	Naphthalene	91-20-3	N.D.	0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/19/2000 05:23	Linda C. Pape	1



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6016



LL Sample No. WW 3361675

Collected: 04/12/2000 17:10 by RB

Account Number: 08367

Submitted: 04/14/2000 09:10
 Reported: 05/09/00 at 04:34 PM
 Discard: 5/17/00
 SW-30 (20) Water Sample

ENTRIX, Incorporated
 10 Corporate Circle
 Suite 100
 New Castle DE 19720

Project: Chalk Point - Swanson's Creek

SW-30 SDG#: ATF54-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
08407	STARS Petroleum Contaminants W						
08540	Methyl t-Butyl Ether	1634-04-4	N.D.		0.2	ug/l	1
08541	Benzene	71-43-2	N.D.		0.2	ug/l	1
08543	Toluene	108-88-3	N.D.		0.2	ug/l	1
08545	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	N.D.		0.4	ug/l	1
08550	o-Xylene	95-47-6	N.D.		0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.		0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	0.2 J		0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.		0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.		0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.		0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.		0.2	ug/l	1
08560	Naphthalene	91-20-3	N.D.		0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/19/2000 06:16	Linda C. Pape	1



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05011



LL Sample No. WW 3361676

Collected: 04/12/2000 17:31 by RB

Account Number: 08367

Submitted: 04/14/2000 09:10
Reported: 05/09/00 at 04:34 PM
Discard: 5/17/00
SW-31 (23) Water Sample

ENTRIX, Incorporated
10 Corporate Circle
Suite 100
New Castle DE 19720

Project: Chalk Point - Swanson's Creek

SW-31 SDG#: ATF54-08

Table with 7 columns: CAT No., Analysis Name, CAS Number, As Received Result, As Received Method Detection Limit, Units, Dilution Factor. Lists various petroleum contaminants and their detection results.

Laboratory Chronicle

Summary table with 6 columns: CAT No., Analysis Name, Method, Trial#, Date and Time, Analyst, Dilution Factor. Shows details for the STARS Petroleum Contaminants W analysis.



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LL Sample No. WW 3361677

Collected: 04/12/2000 17:46 by RB

Account Number: 08367

Submitted: 04/14/2000 09:10
 Reported: 05/09/00 at 04:34 PM
 Discard: 5/17/00
 SW-32 (26) Water Sample

ENTRIX, Incorporated
 10 Corporate Circle
 Suite 100
 New Castle DE 19720

Project: Chalk Point - Swanson's Creek

SW-32 SDG#: ATF54-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Detection Limit	Units	Dilution Factor
08407	STARS Petroleum Contaminants W						
08540	Methyl t-Butyl Ether	1634-04-4	0.5 J		0.2	ug/l	1
08541	Benzene	71-43-2	N.D.		0.2	ug/l	1
08543	Toluene	108-88-3	0.3 J		0.2	ug/l	1
08545	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	N.D.		0.4	ug/l	1
08550	o-Xylene	95-47-6	N.D.		0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.		0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.		0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.		0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.		0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.		0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.		0.2	ug/l	1
08560	Naphthalene	91-20-3	N.D.		0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis Trial#	Date and Time	Analyst	Dilution Factor
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/19/2000 11:42	Linda C. Pape	1



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00110005



LL Sample No. WW 3361678

Collected: 04/12/2000 17:56 by RB

Account Number: 08367

Submitted: 04/14/2000 09:10
 Reported: 05/09/00 at 04:34 PM
 Discard: 5/17/00
 SW-33 (29) Water Sample

ENTRIX, Incorporated
 10 Corporate Circle
 Suite 100
 New Castle DE 19720

Project: Chalk Point - Swanson's Creek

SW-33 SDG#: ATF54-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08407	STARS Petroleum Contaminants W					
08540	Methyl t-Butyl Ether	1634-04-4	N.D.	0.2	ug/l	1
08541	Benzene	71-43-2	N.D.	0.2	ug/l	1
08543	Toluene	108-88-3	N.D.	0.2	ug/l	1
08545	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	N.D.	0.4	ug/l	1
08550	o-Xylene	95-47-6	N.D.	0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.	0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.	0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.	0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.	0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.	0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.	0.2	ug/l	1
08560	Naphthalene	91-20-3	N.D.	0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis Trial#	Date and Time	Analyst	Dilution Factor
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/19/2000 08:24	Linda C. Pape	1



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0020



LL Sample No. WW 3361679

Collected: 04/12/2000 18:14 by RB

Account Number: 08367

Submitted: 04/14/2000 09:10
Reported: 05/09/00 at 04:34 PM
Discard: 5/17/00
SW-34 (32) Water Sample

ENTRIX, Incorporated
10 Corporate Circle
Suite 100
New Castle DE 19720

Project: Chalk Point - Swanson's Creek

SW-34 SDG#: ATF54-11

Table with columns: CAT No., Analysis Name, CAS Number, As Received Result, As Received Method Detection Limit, Units, Dilution Factor. Lists various petroleum contaminants and their detection results.

Laboratory Chronicle

Summary table for Laboratory Chronicle with columns: CAT No., Analysis Name, Method, Trial#, Date and Time, Analyst, Dilution Factor.



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LL Sample No. WW 3361691

Collected: 04/12/2000 14:10 by JD

Account Number: 08367

Submitted: 04/14/2000 09:10

ENTRIX, Incorporated

Reported: 05/09/00 at 04:35 PM

10 Corporate Circle

Discard: 5/17/00

Suite 100

PR-MC-5W Water Sample

New Castle DE 19720

Project: Chalk Point - Swanson's Creek

MC05W SDG#: ATF53-10

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
08407	STARS Petroleum Contaminants W						
08540	Methyl t-Butyl Ether	1634-04-4	0.2	J	0.2	ug/l	1
08541	Benzene	71-43-2	N.D.		0.2	ug/l	1
08543	Toluene	108-88-3	N.D.		0.2	ug/l	1
08545	Ethylbenzene	100-41-4	0.3	J	0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	N.D.		0.4	ug/l	1
08550	o-Xylene	95-47-6	N.D.		0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.		0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.		0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.		0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.		0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.		0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.		0.2	ug/l	1
08560	Naphthalene	91-20-3	N.D.		0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/19/2000 13:05	Linda C. Pape	1



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425



LL Sample No. WW 3361692

Collected: 04/12/2000 14:36 by JD

Account Number: 08367

Submitted: 04/14/2000 09:10

ENTRIX, Incorporated

Reported: 05/09/00 at 04:35 PM

10 Corporate Circle

Discard: 5/17/00

Suite 100

PR-MC-6W Water Sample

New Castle DE 19720

Project: Chalk Point - Swanson's Creek

MC06W SDG#: ATF53-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08407	STARS Petroleum Contaminants W					
08540	Methyl t-Butyl Ether	1634-04-4	0.3 J	0.2	ug/l	1
08541	Benzene	71-43-2	N.D.	0.2	ug/l	1
08543	Toluene	108-88-3	N.D.	0.2	ug/l	1
08545	Ethylbenzene	100-41-4	0.2 J	0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	N.D.	0.4	ug/l	1
08550	o-Xylene	95-47-6	N.D.	0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.	0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.	0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.	0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.	0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.	0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.	0.2	ug/l	1
08560	Naphthalene	91-20-3	N.D.	0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/19/2000 22:00	Gregory D. Pennebaker	1



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Lancaster, PA 17605-2425

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04140300



LL Sample No. WW 3361693

Collected: 04/12/2000 16:25 by JD

Account Number: 08367

Submitted: 04/14/2000 09:10
 Reported: 05/09/00 at 04:35 PM
 Discard: 5/17/00
 PR-MC-8W Water Sample

ENTRIX, Incorporated
 10 Corporate Circle
 Suite 100
 New Castle DE 19720

Project: Chalk Point - Swanson's Creek

MC08W SDG#: ATF53-12

CAT No.	Analysis Name	CAS Number	As Received		Method Detection Limit	Units	Dilution Factor
			As Received Result	J			
08407	STARS Petroleum Contaminants W						
08540	Methyl t-Butyl Ether	1634-04-4	0.7	J	0.2	ug/l	1
08541	Benzene	71-43-2	N.D.		0.2	ug/l	1
08543	Toluene	108-88-3	0.2	J	0.2	ug/l	1
08545	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	N.D.		0.4	ug/l	1
08550	o-Xylene	95-47-6	N.D.		0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.		0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.		0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.		0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.		0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.		0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.		0.2	ug/l	1
08560	Naphthalene	91-20-3	N.D.		0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/19/2000 22:41	Gregory D. Pennebaker	1



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 2425 New Holland Pike
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08367-001



LL Sample No. WW 3361694

Collected: 04/12/2000 16:40 by JD

Account Number: 08367

Submitted: 04/14/2000 09:10
 Reported: 05/09/00 at 04:35 PM
 Discard: 5/17/00
 PR-MC-9W Water Sample

ENTRIX, Incorporated
 10 Corporate Circle
 Suite 100
 New Castle DE 19720

Project: Chalk Point - Swanson's Creek

MC09W SDG#: ATF53-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08407	STARS Petroleum Contaminants W					
08540	Methyl t-Butyl Ether	1634-04-4	3.3	0.2	ug/l	1
08541	Benzene	71-43-2	N.D.	0.2	ug/l	1
08543	Toluene	108-88-3	0.6 J	0.2	ug/l	1
08545	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	0.5 J	0.4	ug/l	1
08550	o-Xylene	95-47-6	0.2 J	0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.	0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.	0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.	0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	0.3 J	0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.	0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.	0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.	0.2	ug/l	1
08560	Naphthalene	91-20-3	0.2 J	0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/19/2000 23:22	Gregory D. Pennebaker	1



Lancaster Laboratories
 2425 New Holland Pike
 PO Box 12425
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 717-651-0000



LL Sample No. WW 3361695

Collected: 04/12/2000 17:04 by JD

Account Number: 08367

Submitted: 04/14/2000 09:10

ENTRIX, Incorporated

Reported: 05/09/00 at 04:35 PM

10 Corporate Circle

Discard: 5/17/00

Suite 100

PR-MC-10W Water Sample

New Castle DE 19720

Project: Chalk Point - Swanson's Creek

MC10W SDG#: ATF53-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method		Units	Dilution Factor
				Detection Limit			
08407	STARS Petroleum Contaminants W						
08540	Methyl t-Butyl Ether	1634-04-4	0.5 J	0.2		ug/l	1
08541	Benzene	71-43-2	N.D.	0.2		ug/l	1
08543	Toluene	108-88-3	N.D.	0.2		ug/l	1
08545	Ethylbenzene	100-41-4	N.D.	0.2		ug/l	1
08547	m,p-Xylene	1330-20-7	N.D.	0.4		ug/l	1
08550	o-Xylene	95-47-6	N.D.	0.2		ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.	0.2		ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.	0.2		ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.2		ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.	0.2		ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.2		ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.	0.2		ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.	0.2		ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.	0.2		ug/l	1
08560	Naphthalene	91-20-3	N.D.	0.2		ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/20/2000 00:04	Gregory D. Pennebaker	1



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
610-399-3700 Fax: 610-399-3621

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05110503



LL Sample No. WW 3361696

Collected: 04/12/2000 17:25 by JD

Account Number: 08367

Submitted: 04/14/2000 09:10

ENTRIX, Incorporated

Reported: 05/09/00 at 04:35 PM

10 Corporate Circle

Discard: 5/17/00

Suite 100

PR-MC-11W Water Sample

New Castle DE 19720

Project: Chalk Point - Swanson's Creek

MC11W SDG#: ATF53-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08407	STARS Petroleum Contaminants W					
08540	Methyl t-Butyl Ether	1634-04-4	0.4 J	0.2	ug/l	1
08541	Benzene	71-43-2	N.D.	0.2	ug/l	1
08543	Toluene	108-88-3	N.D.	0.2	ug/l	1
08545	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	N.D.	0.4	ug/l	1
08550	o-Xylene	95-47-6	N.D.	0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.	0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.	0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.	0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.	0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.	0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.	0.2	ug/l	1
08560	Naphthalene	91-20-3	N.D.	0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/20/2000 00:45	Gregory D. Pennebaker	1



LL Sample No. WW 3361697

Collected: 04/12/2000 17:35 by JD

Account Number: 08367

Submitted: 04/14/2000 09:10

ENTRIX, Incorporated

Reported: 05/09/00 at 04:35 PM

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Discard: 5/17/00

Suite 100

PR-MC-12W Water Sample

New Castle DE 19720

Project: Chalk Point - Swanson's Creek

MC12W SDG#: ATF53-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08407	STARS Petroleum Contaminants W					
08540	Methyl t-Butyl Ether	1634-04-4	0.5 J	0.2	ug/l	1
08541	Benzene	71-43-2	N.D.	0.2	ug/l	1
08543	Toluene	108-88-3	N.D.	0.2	ug/l	1
08545	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	N.D.	0.4	ug/l	1
08550	o-Xylene	95-47-6	N.D.	0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.	0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.	0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.	0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.	0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.	0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.	0.2	ug/l	1
08560	Naphthalene	91-20-3	N.D.	0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/20/2000 01:27	Gregory D. Pennebaker	1



LL Sample No. WW 3361698

Collected: 04/12/2000 17:30 by JD

Account Number: 08367

Submitted: 04/14/2000 09:10
 Reported: 05/09/00 at 04:35 PM
 Discard: 5/17/00
 PR-MC-13W Water Sample

ENTRIX, Incorporated
 10 Corporate Circle
 Suite 100
 New Castle DE 19720

Project: Chalk Point - Swanson's Creek

MC13W SDG#: ATF53-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Detection Limit	Units	Dilution Factor
08407	STARS Petroleum Contaminants W						
08540	Methyl t-Butyl Ether	1634-04-4	0.3 J		0.2	ug/l	1
08541	Benzene	71-43-2	N.D.		0.2	ug/l	1
08543	Toluene	108-88-3	N.D.		0.2	ug/l	1
08545	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	N.D.		0.4	ug/l	1
08550	o-Xylene	95-47-6	N.D.		0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.		0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.		0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.		0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.		0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.		0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.		0.2	ug/l	1
08560	Naphthalene	91-20-3	N.D.		0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Dilution Factor
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/20/2000 02:07	Gregory D. Pennebaker	1



LL Sample No. WW 3361699

Collected: 04/12/2000 15:53 by JD

Account Number: 08367

Submitted: 04/14/2000 09:10
 Reported: 05/09/00 at 04:35 PM
 Discard: 5/17/00
 PR-MC-7W Water Sample

ENTRIX, Incorporated
 10 Corporate Circle
 Suite 100
 New Castle DE 19720

Project: Chalk Point - Swanson's Creek

MC07W SDG#: ATF53-18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08407	STARS Petroleum Contaminants W					
08540	Methyl t-Butyl Ether	1634-04-4	1.8	0.2	ug/l	1
08541	Benzene	71-43-2	N.D.	0.2	ug/l	1
08543	Toluene	108-88-3	0.5 J	0.2	ug/l	1
08545	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	0.4 J	0.4	ug/l	1
08550	o-Xylene	95-47-6	0.2 J	0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.	0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.	0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.	0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	0.2 J	0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.	0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.	0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.	0.2	ug/l	1
08560	Naphthalene	91-20-3	N.D.	0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/20/2000 02:48	Gregory D. Pennebaker	1



LL Sample No. WW 3361704

Collected: 04/13/2000 09:45 by RB

Account Number: 08367

Submitted: 04/14/2000 09:10

ENTRIX, Incorporated

Reported: 05/09/00 at 04:35 PM

10 Corporate Circle

Discard: 5/17/00

Suite 100

SW-35 (2) Water Sample

New Castle DE 19720

Project: Chalk Point - Swanson's Creek

SW-35 SDG#: ATF53-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
08407	STARS Petroleum Contaminants W						
08540	Methyl t-Butyl Ether	1634-04-4	1.5		0.2	ug/l	1
08541	Benzene	71-43-2	N.D.		0.2	ug/l	1
08543	Toluene	108-88-3	0.7	J	0.2	ug/l	1
08545	Ethylbenzene	100-41-4	0.2	J	0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	0.6	J	0.4	ug/l	1
08550	o-Xylene	95-47-6	0.3	J	0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.		0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.		0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.		0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	0.3	J	0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.		0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.		0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.		0.2	ug/l	1
08560	Naphthalene	91-20-3	0.4	J	0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/20/2000 06:30	Gregory D. Pennebaker	1



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425



LL Sample No. WW 3361705

Collected: 04/13/2000 09:59 by RB

Account Number: 08367

Submitted: 04/14/2000 09:10

ENTRIX, Incorporated

Reported: 05/09/00 at 04:35 PM

10 Corporate Circle

Discard: 5/17/00

Suite 100

SW-36 (5) Water Sample

New Castle DE 19720

Project: Chalk Point - Swanson's Creek

SW-36 SDG#: ATF53-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
08407	STARS Petroleum Contaminants W						
08540	Methyl t-Butyl Ether	1634-04-4	1.5		0.2	ug/l	1
08541	Benzene	71-43-2	N.D.		0.2	ug/l	1
08543	Toluene	108-88-3	0.6	J	0.2	ug/l	1
08545	Ethylbenzene	100-41-4	0.2	J	0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	0.5	J	0.4	ug/l	1
08550	o-Xylene	95-47-6	0.3	J	0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.		0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.		0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.		0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	0.3	J	0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.		0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.		0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.		0.2	ug/l	1
08560	Naphthalene	91-20-3	0.3	J	0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/20/2000 07:22	Gregory D. Pennebaker	1



Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425



LL Sample No. WW 3361706

Collected: 04/13/2000 10:15 by RB

Account Number: 08367

Submitted: 04/14/2000 09:10

ENTRIX, Incorporated

Reported: 05/09/00 at 04:35 PM

10 Corporate Circle

Discard: 5/17/00

Suite 100

SW-37 (8) Water Sample

New Castle DE 19720

Project: Chalk Point - Swanson's Creek

SW-37 SDG#: ATF53-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
08407	STARS Petroleum Contaminants W						
08540	Methyl t-Butyl Ether	1634-04-4	0.8 J		0.2	ug/l	1
08541	Benzene	71-43-2	N.D.		0.2	ug/l	1
08543	Toluene	108-88-3	0.4 J		0.2	ug/l	1
08545	Ethylbenzene	100-41-4	0.2 J		0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	N.D.		0.4	ug/l	1
08550	o-Xylene	95-47-6	N.D.		0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.		0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.		0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.		0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.		0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.		0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.		0.2	ug/l	1
08560	Naphthalene	91-20-3	N.D.		0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/20/2000 08:02	Gregory D. Pennebaker	1



LL Sample No. WW 3361707

Collected: 04/13/2000 10:31 by RB

Account Number: 08367

Submitted: 04/14/2000 09:10

ENTRIX, Incorporated

Reported: 05/09/00 at 04:35 PM

10 Corporate Circle

Discard: 5/17/00

Suite 100

SW-38 (11) Water Sample

New Castle DE 19720

Project: Chalk Point - Swanson's Creek

SW-38 SDG#: ATF53-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
08407	STARS Petroleum Contaminants W						
08540	Methyl t-Butyl Ether	1634-04-4	3.4		0.2	ug/l	1
08541	Benzene	71-43-2	0.4	J	0.2	ug/l	1
08543	Toluene	108-88-3	1.9		0.2	ug/l	1
08545	Ethylbenzene	100-41-4	0.6	J	0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	1.5	J	0.4	ug/l	1
08550	o-Xylene	95-47-6	0.6	J	0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.		0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.		0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	0.2	J	0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.		0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	0.7	J	0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.		0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.		0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.		0.2	ug/l	1
08560	Naphthalene	91-20-3	N.D.		0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/20/2000 08:48	Gregory D. Pennebaker	1



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08560



LL Sample No. WW 3361708

Collected: 04/13/2000 10:57 by RB

Account Number: 08367

Submitted: 04/14/2000 09:10

ENTRIX, Incorporated

Reported: 05/09/00 at 04:35 PM

10 Corporate Circle

Discard: 5/17/00

Suite 100

SW-39 (14) Water Sample

New Castle DE 19720

Project: Chalk Point - Swanson's Creek

SW-39 SDG#: ATF53-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08407	STARS Petroleum Contaminants W					
08540	Methyl t-Butyl Ether	1634-04-4	2.2	0.2	ug/l	1
08541	Benzene	71-43-2	N.D.	0.2	ug/l	1
08543	Toluene	108-88-3	0.8 J	0.2	ug/l	1
08545	Ethylbenzene	100-41-4	0.2 J	0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	0.7 J	0.4	ug/l	1
08550	o-Xylene	95-47-6	0.3 J	0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.	0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	0.2 J	0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.	0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	0.3 J	0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.	0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.	0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.	0.2	ug/l	1
08560	Naphthalene	91-20-3	0.3 J	0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/20/2000 10:03	Gregory D. Pennebaker	1



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000226



LL Sample No. WW 3361709

Collected: 04/13/2000 11:27 by RB

Account Number: 08367

Submitted: 04/14/2000 09:10
 Reported: 05/09/00 at 04:35 PM
 Discard: 5/17/00
 SW-40 (18) Water Sample

ENTRIX, Incorporated
 10 Corporate Circle
 Suite 100
 New Castle DE 19720

Project: Chalk Point - Swanson's Creek

SW-40 SDG#: ATF53-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
08407	STARS Petroleum Contaminants W						
08540	Methyl t-Butyl Ether	1634-04-4	3.9		0.2	ug/l	1
08541	Benzene	71-43-2	0.5	J	0.2	ug/l	1
08543	Toluene	108-88-3	2.2		0.2	ug/l	1
08545	Ethylbenzene	100-41-4	0.6	J	0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	1.9	J	0.4	ug/l	1
08550	o-Xylene	95-47-6	0.8	J	0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.		0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.		0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	0.3	J	0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.		0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	0.9	J	0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.		0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.		0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	0.2	J	0.2	ug/l	1
08560	Naphthalene	91-20-3	0.5	J	0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/20/2000 10:43	Gregory D. Pennebaker	1



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000007



LL Sample No. WW 3361710

Collected: 04/13/2000 11:28 ^{38 LCT (404)} 9/24/00 by RB

Account Number: 08367

Submitted: 04/14/2000 09:10
Reported: 05/09/00 at 04:36 PM
Discard: 5/17/00
SW-41 (21) Water Sample

ENTRIX, Incorporated
10 Corporate Circle
Suite 100
New Castle DE 19720

Project: Chalk Point - Swanson's Creek

SW-41 SDG#: ATF53-07

CAT No.	Analysis Name	CAS Number	As Received		Units	Dilution Factor
			As Received Result	Method Detection Limit		
08407	STARS Petroleum Contaminants W					
08540	Methyl t-Butyl Ether	1634-04-4	1.4	0.2	ug/l	1
08541	Benzene	71-43-2	N.D.	0.2	ug/l	1
08543	Toluene	108-88-3	0.6 J	0.2	ug/l	1
08545	Ethylbenzene	100-41-4	0.2 J	0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	0.5 J	0.4	ug/l	1
08550	o-Xylene	95-47-6	0.2 J	0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.	0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.	0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.	0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	0.3 J	0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.	0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.	0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.	0.2	ug/l	1
08560	Naphthalene	91-20-3	0.2 J	0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/20/2000 11:32	Gregory D. Pennebaker	1



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LL Sample No. WW 3361711

Collected: 04/13/2000 11:52 by RB

Account Number: 08367

Submitted: 04/14/2000 09:10
 Reported: 05/09/00 at 04:36 PM
 Discard: 5/17/00
 SW-42 (24) Water Sample

ENTRIX, Incorporated
 10 Corporate Circle
 Suite 100
 New Castle DE 19720

Project: Chalk Point - Swanson's Creek

SW-42 SDG#: ATF53-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
08407	STARS Petroleum Contaminants W						
08540	Methyl t-Butyl Ether	1634-04-4	8.0		0.2	ug/l	1
08541	Benzene	71-43-2	1.1		0.2	ug/l	1
08543	Toluene	108-88-3	4.8		0.2	ug/l	1
08545	Ethylbenzene	100-41-4	1.2		0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	3.8		0.4	ug/l	1
08550	o-Xylene	95-47-6	1.6		0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.		0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	0.6	J	0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	0.6	J	0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.		0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	1.7		0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.		0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.		0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	0.4	J	0.2	ug/l	1
08560	Naphthalene	91-20-3	0.5	J	0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/20/2000 13:05	Gregory D. Pennebaker	1



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002200



LL Sample No. WW 3361715

Collected: 04/13/2000 16:10 by MB

Account Number: 08367

Submitted: 04/14/2000 09:10

ENTRIX, Incorporated

Reported: 05/09/00 at 04:36 PM

10 Corporate Circle

Discard: 5/17/00

Suite 100

PR-SC-01-B Water Sample

New Castle DE 19720

Project: Chalk Point - Swanson's Creek

PRSC1 SDG#: ATF53-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08407	STARS Petroleum Contaminants W					
08540	Methyl t-Butyl Ether	1634-04-4	1.3	0.2	ug/l	1
08541	Benzene	71-43-2	N.D.	0.2	ug/l	1
08543	Toluene	108-88-3	0.5 J	0.2	ug/l	1
08545	Ethylbenzene	100-41-4	0.2 J	0.2	ug/l	1
08547	m,p-Xylene	1330-20-7	0.6 J	0.4	ug/l	1
08550	o-Xylene	95-47-6	0.3 J	0.2	ug/l	1
08552	Isopropylbenzene (Cumene)	98-82-8	N.D.	0.2	ug/l	1
08553	n-Propylbenzene	103-65-1	N.D.	0.2	ug/l	1
08554	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.2	ug/l	1
08555	tert-Butylbenzene	98-06-6	N.D.	0.2	ug/l	1
08556	1,2,4-Trimethylbenzene	95-63-6	0.3 J	0.2	ug/l	1
08557	sec-Butylbenzene	135-98-8	N.D.	0.2	ug/l	1
08558	p-Isopropyltoluene	99-87-6	N.D.	0.2	ug/l	1
08559	n-Butylbenzene	104-51-8	N.D.	0.2	ug/l	1
08560	Naphthalene	91-20-3	0.8 J	0.2	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08407	STARS Petroleum Contaminants W	SW-846 8021B	1	04/20/2000 03:30	Gregory D. Pennebaker	1