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

SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Semivolatile Organic Compounds per EPA Method 8270C - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 7081433 **Soil Preparation Method: EPA 3550**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7081433-BLK1)								Extracted: 08/30/07 11:30						
Fluoranthene	EPA 8270C	ND	---	0.329	mg/kg wet	1x	--	--	--	--	--	--	08/31/07 12:54	
Fluorene	"	ND	---	0.329	"	"	--	--	--	--	--	--	"	
Hexachlorobenzene	"	ND	---	0.329	"	"	--	--	--	--	--	--	"	
Hexachlorobutadiene	"	ND	---	0.996	"	"	--	--	--	--	--	--	"	
Hexachlorocyclopentadiene	"	ND	---	0.996	"	"	--	--	--	--	--	--	"	
Hexachloroethane	"	ND	---	0.996	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.329	"	"	--	--	--	--	--	--	"	
Isophorone	"	ND	---	0.329	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	0.329	"	"	--	--	--	--	--	--	"	
2-Methylphenol	"	ND	---	0.329	"	"	--	--	--	--	--	--	"	
3-,4-Methylphenol	"	ND	---	0.329	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.329	"	"	--	--	--	--	--	--	"	
2-Nitroaniline	"	ND	---	0.329	"	"	--	--	--	--	--	--	"	
3-Nitroaniline	"	ND	---	0.996	"	"	--	--	--	--	--	--	"	
4-Nitroaniline	"	ND	---	0.329	"	"	--	--	--	--	--	--	"	
Nitrobenzene	"	ND	---	0.329	"	"	--	--	--	--	--	--	"	
2-Nitrophenol	"	ND	---	0.329	"	"	--	--	--	--	--	--	"	
4-Nitrophenol	"	ND	---	0.996	"	"	--	--	--	--	--	--	"	
N-Nitrosodi-n-propylamine	"	ND	---	0.329	"	"	--	--	--	--	--	--	"	
N-Nitrosodiphenylamine	"	ND	---	0.329	"	"	--	--	--	--	--	--	"	
Pentachlorophenol	"	ND	---	0.996	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	0.329	"	"	--	--	--	--	--	--	"	
Phenol	"	ND	---	0.329	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	0.329	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	0.996	"	"	--	--	--	--	--	--	"	
2,4,5-Trichlorophenol	"	ND	---	0.329	"	"	--	--	--	--	--	--	"	
2,4,6-Trichlorophenol	"	ND	---	0.329	"	"	--	--	--	--	--	--	"	

Surrogate(s):	*2-Fluorobiphenyl*	*Recovery: 88.4%*	*Limits: 33-126%*	"	*08/31/07 12:54*
	2-Fluorophenol	*68.9%*	*20-127%*	"	"
	Nitrobenzene-d5	*90.1%*	*25-131%*	"	"
	Phenol-d6	*84.2%*	*13-138%*	"	"
	p-Terphenyl-d14	*82.1%*	*38-142%*	"	"
	2,4,6-Tribromophenol	*78.4%*	*46-124%*	"	"

The results provided in this report have not been approved for final release by the Laboratory, and are provided in DRAFT format at the request of the client. Reported results may not have been fully reviewed, and are subject to change.

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SLR-Portland
1800 Blankenship Road Suite 440
West Linn, OR 97068

Project Name: Crowley
Project Number: 008.205.00007
Project Manager: Steve Hammer

Report Created:
09/24/07 17:22

DRAFT: Semivolatile Organic Compounds per EPA Method 8270C - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 7081433 **Soil Preparation Method: EPA 3550**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (7081433-BS1)									Extracted: 08/30/07 11:30					
Acenaphthene	EPA 8270C	1.90	---	0.330	mg/kg wet	1x	--	2.50	75.9%	(46-120)	--	--	08/31/07 13:38	
4-Chloro-3-methylphenol	"	3.40	---	0.330	"	"	--	4.99	68.1%	(36-138)	--	--	"	
2-Chlorophenol	"	3.73	---	0.330	"	"	--	"	74.7%	(18-137)	--	--	"	
1,4-Dichlorobenzene	"	1.93	---	0.999	"	"	--	2.50	77.4%	(7-135)	--	--	"	
2,4-Dinitrotoluene	"	1.88	---	0.499	"	"	--	"	75.3%	(49-125)	--	--	"	
4-Nitrophenol	"	3.59	---	0.999	"	"	--	4.99	71.9%	(40-148)	--	--	"	
N-Nitrosodi-n-propylamine	"	2.33	---	0.330	"	"	--	2.50	93.3%	(20-138)	--	--	"	
Pentachlorophenol	"	1.91	---	0.999	"	"	--	4.99	38.3%	(22-129)	--	--	"	
Phenol	"	3.60	---	0.330	"	"	--	"	72.0%	(37-122)	--	--	"	
Pyrene	"	1.80	---	0.330	"	"	--	2.50	72.3%	(26-143)	--	--	"	
1,2,4-Trichlorobenzene	"	1.95	---	0.999	"	"	--	"	78.1%	(25-129)	--	--	"	
Surrogate(s): 2-Fluorobiphenyl		*Recovery: 80.1%*			*Limits: 33-126%*	"							*08/31/07 13:38*	
2-Fluorophenol		*68.7%*			*20-127%*	"							"	
Nitrobenzene-d5		*82.9%*			*25-131%*	"							"	
Phenol-d6		*85.3%*			*13-138%*	"							"	
p-Terphenyl-d14		*70.6%*			*38-142%*	"							"	
2,4,6-Tribromophenol		*79.4%*			*46-124%*	"							"	
Matrix Spike (7081433-MS1)							QC Source: PQH1091-02		Extracted: 08/30/07 11:30					
Acenaphthene	EPA 8270C	2.38	---	0.838	mg/kg dry	2x	ND	3.17	75.1%	(26-150)	--	--	09/04/07 21:02	
4-Chloro-3-methylphenol	"	4.35	---	0.838	"	"	ND	6.35	68.5%	"	--	--	"	
2-Chlorophenol	"	4.54	---	0.838	"	"	ND	"	71.5%	(8-150)	--	--	"	
1,4-Dichlorobenzene	"	2.25	---	2.54	"	"	ND	3.17	70.9%	(4-150)	--	--	"	
2,4-Dinitrotoluene	"	2.45	---	1.27	"	"	ND	"	77.2%	(32-150)	--	--	"	
4-Nitrophenol	"	5.54	---	2.54	"	"	ND	6.35	87.2%	(20-175)	--	--	"	
N-Nitrosodi-n-propylamine	"	2.52	---	0.838	"	"	ND	3.17	79.5%	(10-150)	--	--	"	
Pentachlorophenol	"	4.31	---	2.54	"	"	ND	6.35	67.9%	(12-150)	--	--	"	
Phenol	"	4.32	---	0.838	"	"	ND	"	68.1%	(17-150)	--	--	"	
Pyrene	"	2.92	---	0.838	"	"	0.223	3.17	84.9%	(16-175)	--	--	"	
1,2,4-Trichlorobenzene	"	2.25	---	2.54	"	"	ND	"	70.8%	(18-150)	--	--	"	
Surrogate(s): 2-Fluorobiphenyl		*Recovery: 86.7%*			*Limits: 33-126%*	"							*09/04/07 21:02*	
2-Fluorophenol		*65.5%*			*20-127%*	"							"	
Nitrobenzene-d5		*77.5%*			*25-131%*	"							"	
Phenol-d6		*80.5%*			*13-138%*	"							"	
p-Terphenyl-d14		*84.3%*			*38-142%*	"							"	
2,4,6-Tribromophenol		*66.2%*			*46-124%*	"							"	

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SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Semivolatile Organic Compounds per EPA Method 8270C - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 7081433 **Soil Preparation Method: EPA 3550**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (7081433-MSD1)				QC Source: PQH1091-02				Extracted: 08/30/07 11:30						
Acenaphthene	EPA 8270C	2.31	---	0.839	mg/kg dry	2x	ND	3.18	72.5%	(26-150)	3.34%	(60)	09/04/07 21:45	
4-Chloro-3-methylphenol	"	4.32	---	0.839	"	"	ND	6.36	68.0%	"	0.616%	"	"	
2-Chlorophenol	"	5.05	---	0.839	"	"	ND	"	79.4%	(8-150)	10.5%	"	"	
1,4-Dichlorobenzene	"	2.20	---	2.54	"	"	ND	3.18	69.3%	(4-150)	2.12%	"	"	
2,4-Dinitrotoluene	"	2.37	---	1.27	"	"	ND	"	74.4%	(32-150)	3.49%	"	"	
4-Nitrophenol	"	5.59	---	2.54	"	"	ND	6.36	87.8%	(20-175)	0.851%	"	"	
N-Nitrosodi-n-propylamine	"	2.67	---	0.839	"	"	ND	3.18	83.8%	(10-150)	5.42%	"	"	
Pentachlorophenol	"	4.50	---	2.54	"	"	ND	6.36	70.7%	(12-150)	4.17%	"	"	
Phenol	"	4.81	---	0.839	"	"	ND	"	75.6%	(17-150)	10.7%	"	"	
Pyrene	"	2.62	---	0.839	"	"	0.223	3.18	75.4%	(16-175)	10.7%	"	"	
1,2,4-Trichlorobenzene	"	2.12	---	2.54	"	"	ND	"	66.8%	(18-150)	5.65%	"	"	
Surrogate(s): 2-Fluorobiphenyl		*Recovery: 93.3%*			*Limits: 33-126%*	"							*09/04/07 21:45*	
2-Fluorophenol		*72.4%*			*20-127%*	"							"	
Nitrobenzene-d5		*83.1%*			*25-131%*	"							"	
Phenol-d6		*84.1%*			*13-138%*	"							"	
p-Terphenyl-d14		*78.6%*			*38-142%*	"							"	
2,4,6-Tribromophenol		*67.5%*			*46-124%*	"							"	

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SLR-Portland	Project Name: **Crowley**	
1800 Blankenship Road Suite 440	Project Number: 008.205.00007	Report Created:
West Linn, OR 97068	Project Manager: Steve Hammer	09/24/07 17:22

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

TestAmerica - Portland, OR

QC Batch: 7081259 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7081259-BLK1)								Extracted: 08/27/07 15:00						
Acenaphthene	EPA 8270m	ND	---	0.100	ug/l	1x	--	--	--	--	--	--	09/06/07 12:13	
Acenaphthylene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Dibenzo (a,h) anthracene	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery: 94.5%*			*Limits: 25-125%*	"							*09/06/07 12:13*	
Pyrene-d10		*105%*			*23-150%*	"							"	
Benzo (a) pyrene-d12		*86.3%*			*10-125%*	"							"	
LCS (7081259-BS1)								Extracted: 08/27/07 15:00						
Acenaphthene	EPA 8270m	2.39	---	0.200	ug/l	2x	--	2.50	95.4%	(26-135)	--	--	08/31/07 18:04	
Benzo (a) pyrene	"	2.55	---	0.200	"	"	--	"	102%	(38-137)	--	--	"	
Pyrene	"	2.40	---	0.200	"	"	--	"	95.9%	(33-133)	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery: 100%*			*Limits: 25-125%*	"							*08/31/07 18:04*	
Pyrene-d10		*102%*			*23-150%*	"							"	
Benzo (a) pyrene-d12		*97.7%*			*10-125%*	"							"	
LCS Dup (7081259-BSD1)								Extracted: 08/27/07 15:00						
Acenaphthene	EPA 8270m	2.50	---	0.200	ug/l	2x	--	2.50	99.9%	(26-135)	4.55%	(60)	08/31/07 18:33	
Benzo (a) pyrene	"	2.64	---	0.200	"	"	--	"	106%	(38-137)	3.48%	"	"	
Pyrene	"	2.49	---	0.200	"	"	--	"	99.6%	(33-133)	3.85%	"	"	
Surrogate(s): Fluorene-d10		*Recovery: 104%*			*Limits: 25-125%*	"							*08/31/07 18:33*	
Pyrene-d10		*104%*			*23-150%*	"							"	
Benzo (a) pyrene-d12		*102%*			*10-125%*	"							"	

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1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

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

TestAmerica - Portland, OR

QC Batch: 7090223 **Soil Preparation Method: EPA 3550**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7090223-BLK1)							Extracted: 09/07/07 13:15							
1-Methylnaphthalene	EPA 8270m	ND	---	13.4	ug/kg wet	1x	--	--	--	--	--	--	09/13/07 13:23	
2-Methylnaphthalene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Acenaphthene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Acenaphthylene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Dibenzo (a,h) anthracene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	13.4	"	"	--	--	--	--	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery: 102%*			*Limits: 24-125%*	"							*09/13/07 13:23*	
Pyrene-d10			*118%*		*41-141%*	"							"	
Benzo (a) pyrene-d12			*109%*		*38-143%*	"							"	
LCS (7090223-BS1)							Extracted: 09/07/07 13:15							
Acenaphthene	EPA 8270m	173	---	13.4	ug/kg wet	1x	--	167	104%	(33-139)	--	--	09/13/07 13:50	
Benzo (a) pyrene	"	173	---	13.4	"	"	--	"	104%	(45-149)	--	--	"	
Pyrene	"	211	---	13.4	"	"	--	"	127%	(39-138)	--	--	"	
Surrogate(s): Fluorene-d10		*Recovery: 109%*			*Limits: 24-125%*	"							*09/13/07 13:50*	
Pyrene-d10			*133%*		*41-141%*	"							"	
Benzo (a) pyrene-d12			*107%*		*38-143%*	"							"	

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1800 Blankenship Road Suite 440	Project Number: 008.205.00007	Report Created:
West Linn, OR 97068	Project Manager: Steve Hammer	09/24/07 17:22

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

TestAmerica - Portland, OR

QC Batch: 7090223 **Soil Preparation Method: EPA 3550**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (7090223-MS1)					QC Source: PQH1091-02				Extracted: 09/07/07 13:15					
Acenaphthene	EPA 8270m	193	---	171	ug/kg dry	10x	20.0	213	81.0%	(33-139)	--	--	09/18/07 20:42	
Benzo (a) pyrene	"	225	---	171	"	"	138	"	40.9%	(45-149)	--	--	"	MHA
Pyrene	"	425	---	171	"	"	474	"	-22.8%	(39-138)	--	--	"	MHA
Surrogate(s): Fluorene-d10		*Recovery: 97.7%*			*Limits: 24-125%*	"							*09/18/07 20:42*	
Pyrene-d10		*90.4%*			*41-141%*	"							"	
Benzo (a) pyrene-d12		*77.4%*			*38-143%*	"							"	
Matrix Spike Dup (7090223-MSD1)					QC Source: PQH1091-02				Extracted: 09/07/07 13:15					
Acenaphthene	EPA 8270m	175	---	171	ug/kg dry	10x	20.0	213	73.0%	(33-139)	9.40%	(60)	09/18/07 21:09	
Benzo (a) pyrene	"	208	---	171	"	"	138	"	32.6%	(45-149)	8.19%	"	"	MHA
Pyrene	"	436	---	171	"	"	474	"	-17.7%	(39-138)	2.51%	"	"	MHA
Surrogate(s): Fluorene-d10		*Recovery: 87.8%*			*Limits: 24-125%*	"							*09/18/07 21:09*	
Pyrene-d10		*92.3%*			*41-141%*	"							"	
Benzo (a) pyrene-d12		*72.6%*			*38-143%*	"							"	

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SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

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

TestAmerica - Portland, OR

QC Batch: 7081216 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (7081216-DUP1)					**QC Source: PQH1091-04**				**Extracted: 08/25/07 12:04**					
% Solids	NCA SOP	91.8	---	0.00	% by Weight	1x	92.5	--	--	--	0.760%	(20)	08/25/07 12:04	

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SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7I05021 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	%REC	(Limits)	%RPD	(Limits)	Analyzed	Notes
Blank (7I05021-BLK1)								Extracted: 09/05/07 08:33						
Benzene	EPA 8260B	ND	---	1.50	ug/kg wet	1x	--	--	--	--	--	--	09/05/07 10:19	
1,2-Dibromoethane (EDB)	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	4.00	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
n-Hexane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.50	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Total Xylenes	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 109%*			*Limits: 65-145%*	"							*09/05/07 10:19*	
Toluene-d8		*98.3%*			*55-145%*	"							"	
4-BFB		*98.4%*			*50-145%*	"							"	
LCS (7I05021-BS1)								Extracted: 09/05/07 08:33						
Benzene	EPA 8260B	37.6	---	1.50	ug/kg wet	1x	--	40.0	94.1%	(80-125)	--	--	09/05/07 09:24	
1,2-Dibromoethane (EDB)	"	35.2	---	5.00	"	"	--	"	88.0%	(70-130)	--	--	"	
1,2-Dichloroethane	"	38.7	---	1.25	"	"	--	"	96.8%	"	--	--	"	
Ethylbenzene	"	37.0	---	4.00	"	"	--	"	92.5%	(80-125)	--	--	"	
Methyl tert-butyl ether	"	37.2	---	1.00	"	"	--	"	93.0%	(70-130)	--	--	"	
n-Hexane	"	40.8	---	5.00	"	"	--	"	102%	"	--	--	"	
Naphthalene	"	37.0	---	10.0	"	"	--	"	92.5%	"	--	--	"	
Toluene	"	34.8	---	1.50	"	"	--	"	87.1%	(80-125)	--	--	"	
1,2,4-Trimethylbenzene	"	37.4	---	5.00	"	"	--	"	93.4%	(80-135)	--	--	"	
1,3,5-Trimethylbenzene	"	36.0	---	5.00	"	"	--	"	90.0%	(80-140)	--	--	"	
Total Xylenes	"	110	---	10.0	"	"	--	120	91.7%	(70-130)	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 100%*			*Limits: 65-145%*	"							*09/05/07 09:24*	
Toluene-d8		*97.4%*			*55-145%*	"							"	
4-BFB		*99.2%*			*50-145%*	"							"	

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
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SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7I05021 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS Dup (7I05021-BSD1)								Extracted: 09/05/07 08:33						
Benzene	EPA 8260B	40.0	---	1.50	ug/kg wet	1x	--	40.0	99.9%	(80-125)	5.98%	(25)	09/05/07 09:52	
1,2-Dibromoethane (EDB)	"	41.4	---	5.00	"	"	--	"	103%	(70-130)	16.1%	(30)	"	
1,2-Dichloroethane	"	43.0	---	1.25	"	"	--	"	107%	"	10.4%	"	"	
Ethylbenzene	"	37.9	---	4.00	"	"	--	"	94.8%	(80-125)	2.46%	(25)	"	
Methyl tert-butyl ether	"	46.0	---	1.00	"	"	--	"	115%	(70-130)	21.1%	(30)	"	
n-Hexane	"	41.8	---	5.00	"	"	--	"	105%	"	2.35%	"	"	
Naphthalene	"	40.2	---	10.0	"	"	--	"	101%	"	8.36%	"	"	
Toluene	"	36.4	---	1.50	"	"	--	"	91.0%	(80-125)	4.38%	(25)	"	
1,2,4-Trimethylbenzene	"	38.5	---	5.00	"	"	--	"	96.3%	(80-135)	3.03%	"	"	
1,3,5-Trimethylbenzene	"	37.4	---	5.00	"	"	--	"	93.4%	(80-140)	3.65%	"	"	
Total Xylenes	"	112	---	10.0	"	"	--	120	93.7%	(70-130)	2.12%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 110%*			*Limits: 65-145%*	"							*09/05/07 09:52*	
Toluene-d8		*99.3%*			*55-145%*	"							"	
4-BFB		*101%*			*50-145%*	"							"	
Matrix Spike (7I05021-MS1)					QC Source: BQI0054-01			Extracted: 09/05/07 08:33						
Benzene	EPA 8260B	19.4	---	0.721	ug/kg wet	1x	ND	19.2	101%	(60-125)	--	--	09/05/07 19:11	
1,2-Dibromoethane (EDB)	"	20.7	---	2.40	"	"	ND	"	108%	(60-140)	--	--	"	
1,2-Dichloroethane	"	21.4	---	0.601	"	"	ND	"	111%	"	--	--	"	
Ethylbenzene	"	17.5	---	1.92	"	"	ND	"	91.2%	(80-124)	--	--	"	
Methyl tert-butyl ether	"	22.8	---	0.481	"	"	ND	"	119%	(60-140)	--	--	"	
n-Hexane	"	18.7	---	2.40	"	"	ND	"	97.1%	"	--	--	"	
Naphthalene	"	14.2	---	4.81	"	"	ND	"	74.0%	"	--	--	"	
Toluene	"	17.3	---	0.721	"	"	ND	"	89.8%	(75-125)	--	--	"	
1,2,4-Trimethylbenzene	"	16.2	---	2.40	"	"	ND	"	84.4%	(10-150)	--	--	"	
1,3,5-Trimethylbenzene	"	16.5	---	2.40	"	"	ND	"	85.5%	"	--	--	"	
Total Xylenes	"	52.6	---	4.81	"	"	ND	57.7	91.1%	(70-130)	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 113%*			*Limits: 65-145%*	"							*09/05/07 19:11*	
Toluene-d8		*98.9%*			*55-145%*	"							"	
4-BFB		*102%*			*50-145%*	"							"	

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
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SLR-Portland
1800 Blankenship Road Suite 440
West Linn, OR 97068

Project Name: Crowley
Project Number: 008.205.00007
Project Manager: Steve Hammer

Report Created: 09/24/07 17:22

DRAFT: Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7I05021 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (7I05021-MS2)					QC Source: BQI0054-08				Extracted: 09/05/07 08:33					
Benzene	EPA 8260B	19.7	---	0.737	ug/kg wet	1x	ND	19.7	100%	(60-125)	--	--	09/05/07 19:38	
1,2-Dibromoethane (EDB)	"	22.3	---	2.46	"	"	ND	"	114%	(60-140)	--	--	"	
1,2-Dichloroethane	"	22.3	---	0.615	"	"	ND	"	113%	"	--	--	"	
Ethylbenzene	"	18.7	---	1.97	"	"	ND	"	95.2%	(80-124)	--	--	"	
Methyl tert-butyl ether	"	23.7	---	0.492	"	"	ND	"	120%	(60-140)	--	--	"	
n-Hexane	"	18.8	---	2.46	"	"	ND	"	95.7%	"	--	--	"	
Naphthalene	"	17.2	---	4.92	"	"	ND	"	87.2%	"	--	--	"	
Toluene	"	18.3	---	0.737	"	"	ND	"	93.3%	(75-125)	--	--	"	
1,2,4-Trimethylbenzene	"	18.4	---	2.46	"	"	ND	"	93.8%	(10-150)	--	--	"	
1,3,5-Trimethylbenzene	"	18.9	---	2.46	"	"	ND	"	96.1%	"	--	--	"	
Total Xylenes	"	55.4	---	4.92	"	"	ND	59.0	93.9%	(70-130)	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 116%*			*Limits: 65-145%*	"							*09/05/07 19:38*	
Toluene-d8			*101%*			*55-145%*	"						"	
4-BFB			*107%*			*50-145%*	"						"	
Matrix Spike Dup (7I05021-MSD2)					QC Source: BQI0054-08				Extracted: 09/05/07 08:33					
Benzene	EPA 8260B	23.6	---	0.756	ug/kg wet	1x	ND	20.2	117%	(60-125)	17.8%	(25)	09/05/07 20:06	
1,2-Dibromoethane (EDB)	"	26.1	---	2.52	"	"	ND	"	130%	(60-140)	15.7%	(30)	"	
1,2-Dichloroethane	"	26.8	---	0.630	"	"	ND	"	133%	"	18.5%	"	"	
Ethylbenzene	"	21.2	---	2.02	"	"	ND	"	105%	(80-124)	12.3%	(25)	"	
Methyl tert-butyl ether	"	29.8	---	0.504	"	"	ND	"	148%	(60-140)	23.2%	(30)	"	M1
n-Hexane	"	22.9	---	2.52	"	"	ND	"	114%	"	19.6%	"	"	
Naphthalene	"	20.7	---	5.04	"	"	ND	"	103%	"	18.9%	"	"	
Toluene	"	20.8	---	0.756	"	"	ND	"	103%	(75-125)	12.4%	(25)	"	
1,2,4-Trimethylbenzene	"	20.2	---	2.52	"	"	ND	"	100%	(10-150)	9.24%	"	"	
1,3,5-Trimethylbenzene	"	20.0	---	2.52	"	"	ND	"	99.4%	"	5.79%	"	"	
Total Xylenes	"	64.1	---	5.04	"	"	ND	60.5	106%	(70-130)	14.6%	(30)	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 120%*			*Limits: 65-145%*	"							*09/05/07 20:06*	
Toluene-d8			*98.0%*			*55-145%*	"						"	
4-BFB			*101%*			*50-145%*	"						"	

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
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SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results
TestAmerica - Seattle, WA

QC Batch: 7I06045 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7I06045-BLK1)								Extracted: 09/06/07 08:00						
Acetone	EPA 8260B	ND	---	30.0	ug/kg wet	1x	--	--	--	--	--	--	09/06/07 13:05	
Benzene	"	ND	---	1.50	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	15.0	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	4.00	"	"	--	--	--	--	--	--	"	

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
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SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7I06045 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7I06045-BLK1)									Extracted: 09/06/07 08:00					
Hexachlorobutadiene	EPA 8260B	ND	---	10.0	ug/kg wet	1x	--	--	--	--	--	--	09/06/07 13:05	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
n-Hexane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	7.78	---	3.50	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.50	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Total Xylenes	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 113%*			*Limits: 60-140%*	"							*09/06/07 13:05*	
Toluene-d8		*102%*			*60-140%*	"							"	
4-BFB		*99.9%*			*60-140%*	"							"	

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
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SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7I06045 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (7I06045-BS1)								Extracted: 09/06/07 08:00						
Acetone	EPA 8260B	469	---	30.0	ug/kg wet	1x	--	400	117%	(70-130)	--	--	09/06/07 12:36	
Benzene	"	43.2	---	1.50	"	"	--	40.0	108%	(80-125)	--	--	"	
2-Butanone	"	512	---	15.0	"	"	--	400	128%	(70-130)	--	--	"	
Carbon disulfide	"	42.6	---	3.00	"	"	--	40.0	107%	"	--	--	"	
Chlorobenzene	"	41.9	---	2.00	"	"	--	"	105%	"	--	--	"	
1,2-Dibromoethane (EDB)	"	46.2	---	5.00	"	"	--	"	116%	"	--	--	"	
1,1-Dichloroethane	"	43.2	---	2.00	"	"	--	"	108%	"	--	--	"	
1,2-Dichloroethane	"	47.2	---	1.25	"	"	--	"	118%	"	--	--	"	
1,1-Dichloroethene	"	45.3	---	3.00	"	"	--	"	113%	"	--	--	"	
cis-1,2-Dichloroethene	"	43.4	---	3.00	"	"	--	"	109%	"	--	--	"	
Ethylbenzene	"	41.1	---	4.00	"	"	--	"	103%	(80-125)	--	--	"	
Hexachlorobutadiene	"	42.0	---	10.0	"	"	--	"	105%	(70-130)	--	--	"	
Methyl tert-butyl ether	"	48.0	---	1.00	"	"	--	"	120%	"	--	--	"	
n-Hexane	"	44.2	---	5.00	"	"	--	"	110%	"	--	--	"	
4-Methyl-2-pentanone	"	507	---	20.0	"	"	--	400	127%	"	--	--	"	
Naphthalene	"	41.2	---	10.0	"	"	--	40.0	103%	"	--	--	"	
Tetrachloroethene	"	42.5	---	2.00	"	"	--	"	106%	"	--	--	"	
Toluene	"	40.1	---	1.50	"	"	--	"	100%	(80-125)	--	--	"	
1,1,1-Trichloroethane	"	44.2	---	2.50	"	"	--	"	110%	(70-130)	--	--	"	
Trichloroethene	"	43.8	---	2.50	"	"	--	"	109%	"	--	--	"	
1,2,4-Trimethylbenzene	"	40.7	---	5.00	"	"	--	"	102%	(80-135)	--	--	"	
1,3,5-Trimethylbenzene	"	40.1	---	5.00	"	"	--	"	100%	(80-140)	--	--	"	
Total Xylenes	"	124	---	10.0	"	"	--	120	103%	(70-130)	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 116%*			*Limits: 60-140%*	"							*09/06/07 12:36*	
Toluene-d8			*100%*		*60-140%*	"							"	
4-BFB			*104%*		*60-140%*	"							"	
Matrix Spike (7I06045-MS1)					QC Source: BQI0053-02			Extracted: 09/06/07 08:00						
Acetone	EPA 8260B	510	---	30.0	ug/kg wet	1x	6.35	400	126%	(60-140)	--	--	09/06/07 15:24	
Benzene	"	24.7	---	1.50	"	"	ND	40.0	61.8%	(60-125)	--	--	"	
2-Butanone	"	522	---	15.0	"	"	1.55	400	130%	(60-140)	--	--	"	
Carbon disulfide	"	21.2	---	3.00	"	"	0.300	40.0	52.2%	"	--	--	"	M2
Chlorobenzene	"	22.3	---	2.00	"	"	ND	"	55.8%	"	--	--	"	M2
1,2-Dibromoethane (EDB)	"	26.0	---	5.00	"	"	ND	"	64.9%	"	--	--	"	M2
1,1-Dichloroethane	"	27.2	---	2.00	"	"	ND	"	67.9%	"	--	--	"	M2
1,2-Dichloroethane	"	27.8	---	1.25	"	"	ND	"	69.6%	"	--	--	"	M2
1,1-Dichloroethene	"	25.3	---	3.00	"	"	ND	"	63.3%	"	--	--	"	M2
cis-1,2-Dichloroethene	"	26.5	---	3.00	"	"	ND	"	66.4%	"	--	--	"	M2
Ethylbenzene	"	21.1	---	4.00	"	"	ND	"	52.8%	(80-124)	--	--	"	M2

DRAFT REPORT

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

SLR-Portland	Project Name:	Crowley	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7I06045 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (7I06045-MS1)					QC Source: BQI0053-02				Extracted: 09/06/07 08:00					
Hexachlorobutadiene	EPA 8260B	14.6	---	10.0	ug/kg wet	1x	ND	40.0	36.6%	(60-140)	--	--	09/06/07 15:24	M2
Methyl tert-butyl ether	"	25.7	---	1.00	"	"	ND	"	64.3%	"	--	--	"	M2
n-Hexane	"	19.1	---	5.00	"	"	0.244	"	47.2%	"	--	--	"	M2
4-Methyl-2-pentanone	"	540	---	20.0	"	"	ND	400	135%	"	--	--	"	M2
Naphthalene	"	20.9	---	10.0	"	"	0.956	40.0	49.9%	"	--	--	"	M2
Tetrachloroethene	"	19.6	---	2.00	"	"	ND	"	49.1%	"	--	--	"	M2
Toluene	"	22.8	---	1.50	"	"	ND	"	57.0%	(75-125)	--	--	"	M2
1,1,1-Trichloroethane	"	25.0	---	2.50	"	"	ND	"	62.4%	(60-140)	--	--	"	M2
Trichloroethene	"	22.9	---	2.50	"	"	ND	"	57.2%	"	--	--	"	M2
1,2,4-Trimethylbenzene	"	19.1	---	5.00	"	"	ND	"	47.8%	(10-150)	--	--	"	M2
1,3,5-Trimethylbenzene	"	18.0	---	5.00	"	"	ND	"	45.0%	"	--	--	"	M2
Total Xylenes	"	62.0	---	10.0	"	"	0.234	120	51.5%	(70-130)	--	--	"	M2
Surrogate(s): 1,2-DCA-d4		*Recovery: 110%*			*Limits: 60-140%*	"							*09/06/07 15:24*	
Toluene-d8		*101%*			*60-140%*	"							"	
4-BFB		*107%*			*60-140%*	"							"	
Matrix Spike Dup (7I06045-MSD1)					QC Source: BQI0053-02				Extracted: 09/06/07 08:00					
Acetone	EPA 8260B	485	---	30.0	ug/kg wet	1x	6.35	400	120%	(60-140)	5.04%	(30)	09/06/07 15:53	
Benzene	"	43.8	---	1.50	"	"	ND	40.0	110%	(60-125)	55.7%	(25)	"	R2
2-Butanone	"	515	---	15.0	"	"	1.55	400	128%	(60-140)	1.44%	(30)	"	
Carbon disulfide	"	38.6	---	3.00	"	"	0.300	40.0	95.8%	"	58.2%	"	"	R2
Chlorobenzene	"	42.5	---	2.00	"	"	ND	"	106%	"	62.2%	"	"	R2
1,2-Dibromoethane (EDB)	"	48.2	---	5.00	"	"	ND	"	120%	"	59.9%	"	"	R2
1,1-Dichloroethane	"	45.0	---	2.00	"	"	ND	"	113%	"	49.5%	"	"	R2
1,2-Dichloroethane	"	47.6	---	1.25	"	"	ND	"	119%	"	52.4%	"	"	R2
1,1-Dichloroethene	"	43.8	---	3.00	"	"	ND	"	110%	"	53.5%	"	"	R2
cis-1,2-Dichloroethene	"	43.7	---	3.00	"	"	ND	"	109%	"	48.9%	"	"	R2
Ethylbenzene	"	41.7	---	4.00	"	"	ND	"	104%	(80-124)	65.6%	(25)	"	R2
Hexachlorobutadiene	"	40.0	---	10.0	"	"	ND	"	100%	(60-140)	92.9%	(30)	"	R2
Methyl tert-butyl ether	"	46.1	---	1.00	"	"	ND	"	115%	"	56.8%	"	"	R2
n-Hexane	"	44.2	---	5.00	"	"	0.244	"	110%	"	79.3%	"	"	R2
4-Methyl-2-pentanone	"	523	---	20.0	"	"	ND	400	131%	"	3.20%	"	"	R2
Naphthalene	"	43.4	---	10.0	"	"	0.956	40.0	106%	"	70.0%	"	"	R2
Tetrachloroethene	"	42.0	---	2.00	"	"	ND	"	105%	"	72.7%	"	"	R2
Toluene	"	41.1	---	1.50	"	"	ND	"	103%	(75-125)	57.4%	(25)	"	R2
1,1,1-Trichloroethane	"	45.3	---	2.50	"	"	ND	"	113%	(60-140)	58.0%	(30)	"	R2
Trichloroethene	"	42.5	---	2.50	"	"	ND	"	106%	"	59.9%	"	"	R2
1,2,4-Trimethylbenzene	"	41.7	---	5.00	"	"	ND	"	104%	(10-150)	74.2%	(25)	"	R2
1,3,5-Trimethylbenzene	"	40.0	---	5.00	"	"	ND	"	100%	"	75.8%	"	"	R2

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SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7I06045 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (7I06045-MSD1)					QC Source: BQI0053-02			Extracted: 09/06/07 08:00						
Total Xylenes	EPA 8260B	126	---	10.0	ug/kg wet	1x	0.234	120	104%	(70-130)	67.8%	(25)	09/06/07 15:53	R2
Surrogate(s): 1,2-DCA-d4		*Recovery: 109%*			*Limits: 60-140%*	"							*09/06/07 15:53*	
Toluene-d8		*99.9%*			*60-140%*	"							"	
4-BFB		*100%*			*60-140%*	"							"	

QC Batch: 7I07059 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7I07059-BLK1)								Extracted: 09/07/07 18:10						
Acetone	EPA 8260B	ND	---	30.0	ug/kg wet	1x	--	--	--	--	--	--	09/07/07 22:17	
Benzene	"	ND	---	1.50	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	15.0	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	

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SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7I07059 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7I07059-BLK1)								**Extracted: 09/07/07 18:10**						
1,1-Dichloroethene	EPA 8260B	ND	---	3.00	ug/kg wet	1x	--	--	--	--	--	--	09/07/07 22:17	
cis-1,2-Dichloroethene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	4.00	"	"	--	--	--	--	--	--	"	
Hexachlorobutadiene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
n-Hexane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	4.78	---	3.50	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.50	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Total Xylenes	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 117%*			*Limits: 65-145%*	"							*09/07/07 22:17*	

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SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7I07059 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7I07059-BLK1)								Extracted: 09/07/07 18:10						
Surrogate(s): Toluene-d8		*Recovery: 94.5%*			*Limits: 55-145%*	*1x*							*09/07/07 22:17*	
4-BFB		*88.6%*			*50-145%*	*"*							*"*	
LCS (7I07059-BS1)								Extracted: 09/07/07 18:10						
Acetone	EPA 8260B	453	---	30.0	ug/kg wet	1x	--	400	113%	(70-130)	--	--	09/07/07 21:22	
Benzene	"	38.4	---	1.50	"	"	--	40.0	96.0%	(80-125)	--	--	"	
2-Butanone	"	459	---	15.0	"	"	--	400	115%	(70-130)	--	--	"	
Carbon disulfide	"	40.9	---	3.00	"	"	--	40.0	102%	"	--	--	"	
Chlorobenzene	"	38.8	---	2.00	"	"	--	"	96.9%	"	--	--	"	
1,2-Dibromoethane (EDB)	"	39.7	---	5.00	"	"	--	"	99.3%	"	--	--	"	
1,1-Dichloroethane	"	45.1	---	2.00	"	"	--	"	113%	"	--	--	"	
1,2-Dichloroethane	"	45.5	---	1.25	"	"	--	"	114%	"	--	--	"	
1,1-Dichloroethene	"	45.7	---	3.00	"	"	--	"	114%	"	--	--	"	
cis-1,2-Dichloroethene	"	46.0	---	3.00	"	"	--	"	115%	"	--	--	"	
Ethylbenzene	"	38.5	---	4.00	"	"	--	"	96.4%	"	--	--	"	
Hexachlorobutadiene	"	43.5	---	10.0	"	"	--	"	109%	"	--	--	"	
Methyl tert-butyl ether	"	40.6	---	1.00	"	"	--	"	102%	"	--	--	"	
n-Hexane	"	42.9	---	5.00	"	"	--	"	107%	"	--	--	"	
4-Methyl-2-pentanone	"	434	---	20.0	"	"	--	400	109%	"	--	--	"	
Naphthalene	"	48.1	---	10.0	"	"	--	40.0	120%	"	--	--	"	
Tetrachloroethene	"	37.8	---	2.00	"	"	--	"	94.5%	"	--	--	"	
Toluene	"	37.2	---	1.50	"	"	--	"	92.9%	(80-125)	--	--	"	
1,1,1-Trichloroethane	"	44.0	---	2.50	"	"	--	"	110%	(70-130)	--	--	"	
Trichloroethene	"	38.9	---	2.50	"	"	--	"	97.3%	"	--	--	"	
1,2,4-Trimethylbenzene	"	38.5	---	5.00	"	"	--	"	96.2%	(80-135)	--	--	"	
1,3,5-Trimethylbenzene	"	38.3	---	5.00	"	"	--	"	95.7%	(80-140)	--	--	"	
o-Xylene	"	40.7	---	5.00	"	"	--	"	102%	(70-130)	--	--	"	
m,p-Xylene	"	77.4	---	5.00	"	"	--	80.0	96.8%	"	--	--	"	
Total Xylenes	"	118	---	10.0	"	"	--	120	98.4%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 111%*			*Limits: 65-145%*	*"*							*09/07/07 21:22*	
Toluene-d8		*95.3%*			*55-145%*	*"*							*"*	
4-BFB		*94.7%*			*50-145%*	*"*							*"*	

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

SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7I07059 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS Dup (7I07059-BSD1)								**Extracted: 09/07/07 18:10**						
Acetone	EPA 8260B	400	---	30.0	ug/kg wet	1x	--	400	99.9%	(70-130)	12.5%	(30)	09/07/07 21:50	
Benzene	"	37.0	---	1.50	"	"	--	40.0	92.5%	(80-125)	3.69%	(25)	"	
2-Butanone	"	373	---	15.0	"	"	--	400	93.1%	(70-130)	20.7%	(30)	"	
Carbon disulfide	"	39.0	---	3.00	"	"	--	40.0	97.6%	"	4.68%	"	"	
Chlorobenzene	"	38.8	---	2.00	"	"	--	"	97.0%	"	0.155%	"	"	
1,2-Dibromoethane (EDB)	"	37.0	---	5.00	"	"	--	"	92.4%	"	7.15%	"	"	
1,1-Dichloroethane	"	43.3	---	2.00	"	"	--	"	108%	"	3.94%	"	"	
1,2-Dichloroethane	"	41.5	---	1.25	"	"	--	"	104%	"	9.33%	"	"	
1,1-Dichloroethene	"	43.0	---	3.00	"	"	--	"	108%	"	5.93%	"	"	
cis-1,2-Dichloroethene	"	42.5	---	3.00	"	"	--	"	106%	"	7.82%	"	"	
Ethylbenzene	"	39.2	---	4.00	"	"	--	"	97.9%	"	1.57%	"	"	
Hexachlorobutadiene	"	41.4	---	10.0	"	"	--	"	103%	"	5.02%	"	"	
Methyl tert-butyl ether	"	33.9	---	1.00	"	"	--	"	84.7%	"	18.1%	"	"	
n-Hexane	"	37.8	---	5.00	"	"	--	"	94.4%	"	12.7%	"	"	
4-Methyl-2-pentanone	"	383	---	20.0	"	"	--	400	95.8%	"	12.5%	"	"	
Naphthalene	"	39.5	---	10.0	"	"	--	40.0	98.7%	"	19.6%	"	"	
Tetrachloroethene	"	37.1	---	2.00	"	"	--	"	92.7%	"	1.87%	"	"	
Toluene	"	38.1	---	1.50	"	"	--	"	95.2%	(80-125)	2.52%	(25)	"	
1,1,1-Trichloroethane	"	41.5	---	2.50	"	"	--	"	104%	(70-130)	5.78%	(30)	"	
Trichloroethene	"	36.3	---	2.50	"	"	--	"	90.8%	"	6.94%	"	"	
1,2,4-Trimethylbenzene	"	36.4	---	5.00	"	"	--	"	91.1%	(80-135)	5.42%	(25)	"	
1,3,5-Trimethylbenzene	"	36.7	---	5.00	"	"	--	"	91.7%	(80-140)	4.30%	"	"	
o-Xylene	"	41.1	---	5.00	"	"	--	"	103%	(70-130)	0.930%	(30)	"	
m,p-Xylene	"	76.8	---	5.00	"	"	--	80.0	96.0%	"	0.791%	"	"	
Total Xylenes	"	118	---	10.0	"	"	--	120	98.2%	"	0.195%	(25)	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 103%*			*Limits: 65-145%*	"							*09/07/07 21:50*	
Toluene-d8		*98.6%*			*55-145%*	"							"	
4-BFB		*91.9%*			*50-145%*	"							"	

The results provided in this report have not been approved for final release by the Laboratory, and are provided in DRAFT format at the request of the client. Reported results may not have been fully reviewed, and are subject to change.

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

SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

Notes and Definitions

Report Specific Notes:

M1	-	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
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).
MHA	-	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
Q10	-	Hydrocarbon pattern most closely resembles a blend of diesel range overlap as well as oil.
Q12	-	Detected hydrocarbons in the diesel range do not have a distinct diesel pattern and may be due to heavily weathered diesel or possibly biogenic interference.
Q13	-	Detected hydrocarbons do not have pattern and range consistent with typical petroleum products and may be due to biogenic interference.
Q9	-	Hydrocarbon pattern most closely resembles weathered diesel.
R2	-	The RPD exceeded the acceptance limit.
RL1	-	Reporting limit raised due to sample matrix effects.
RL3	-	Reporting limit raised due to high concentrations of non-target analytes.
RL7	-	Sample required dilution due to high concentrations of target analyte.
Z3	-	The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
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.

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-562-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: PQ7l091

CLIENT: SLR

REPORT TO: 1500 Blankenship Rd. Ste. 440
ADDRESS: West Linn, OR 97068

PHONE: (503) 723-4923 FAX:

PROJECT NAME: Crowley

PROJECT NUMBER:

SAMPLED BY: C. Kramer

INVOICE TO:

P.O. NUMBER:

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: 10 STD | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: 5 STD | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	NWTPH-Gx	NWTPH-Dx	BTEX	Naphthalene 8270 SIM	Ethanol	Gasoline additives *	SVOCs 8270 SIM	VOCs 8260	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	TA WO ID
GPE-1-5	8/24/07 10:30		X	X							S	5		
GPE-1-11	10:32		X	X	X	X	X	X			S	5		
GPE-1-GW	10:30		X	X	X	X		X			W	9		
GPE-2-5	9:34		X	X							S	5		
GPE-2-11	9:49		X	X	X	X	X	X	X	X	S	5		
GPE-2-GW	9:50		X	X	X	X		X			W	9		
GPE-3-5	11:47		X	X							S	5		
GPE-3-10	12:00		X	X							S	5		
GPE-3 GW	11:40		X	X							W	7		

RELEASED BY: Chris Kramer FIRM: SLR DATE: 8/25/07 TIME: 10:00
PRINT NAME:
RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: John Mahoney FIRM: TAP DATE: 8/25/07 TIME: 1050
PRINT NAME:
RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

TEMP: PAGE OF

ADDITIONAL REMARKS:
* Gasoline additives: Naphthalene, 1-methy naphthalene, 2-methy Naphthalene, n-Hexane, MTBE, Ethylene dibromide (EDB), 1,2-Dichloroethane (EDC)

REV 09-2004

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: PQH1091

CLIENT: SLR
REPORT TO: 1800 Blankenship Rd, Ste 440
ADDRESS: West Linn, OR 97068
PHONE: FAX:
PROJECT NAME: Crowley
PROJECT NUMBER:
SAMPLED BY: C-Kramer

INVOICE TO:
P.O. NUMBER:

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: 10 STD, 7, 5, 4, 3, 2, 1, <1
Petroleum Hydrocarbon Analyses: 5 STD, 4, 3, 2, 1, <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NWTPH-Gx	NWTPH-Dx	BTEX	cPAHs 8270SIM	EPH/VPH	Gasoline additives ★	MATRIX (W,S,O)	# OF CONT.	LOCATION / COMMENTS	TA WO ID
GPE-4-5	8/24/07 13:03	X	X					S	5		
GPE-4-11	13:11	X	X	X	X	X	X		5		
GPE-5-5	12:47	X	X						5		
GPE-5-9	12:50	X	X						5		
GPE-6-7	15:01	X	X						5		
GPE-6-11	15:05	X	X	X	X	X	X		5		
GPE-7-6	14:15	X	X						5		
GPE-7-10	14:20	X	X	X	X	X	X		5		
GPE-8-6	15:27	X	X						5		
GPE-8-7	15:30	X	X						5		

PRESERVATIVE

RELEASED BY: Clark Kramer FIRM: SLR DATE: 8/25/07 TIME: 10:00
RECEIVED BY: Ralph McCarthy FIRM: TA DATE: 8/25/07 TIME: 10:00
PRINT NAME:
RELEASED BY: FIRM: DATE: TIME:
RECEIVED BY: FIRM: DATE: TIME:
PRINT NAME:

ADDITIONAL REMARKS:
★ Gasoline additives: naphthalene, 1-methy naphthalene, 2-metyl naphthalene, n-Hexane, MTBE, Ethylene dibromide (EDB), 1,2-dichloroethane (EDC)

TEMP: PAGE OF

TOC REV 09/2004

TestAmerica Sample Receipt Checklist

Received by: (Section A) Date: 8/25 Time: 10:00 Initials: JM

Unpacked by: (Section B) Date: 8/25 Initials: JM

Logged-in by: Date: 8/25 Initials: JM

Work Order No: PQH1091 Cooler Log#: 045 039

Client: SLR

Project: Gravity

Temperature out of range.
___No Ice
___Ice Melted
___Wtn 4 Hours
___Other: _____

***ESI Clients (see Section C)

Cooler Temperature (IR): 3.2 3.3 °C plastic glass NA (oil/air samples, ESI client)

A

Custody Seals: (#____)

Signature: Y N Dated:_____
X None

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

Coolant Type:
____Gel Ice
X Loose Ice
____None

Packing Material:
X Bubble Bags
____Styrofoam Cubbies
___None (___Other: _____)

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

B

Sample Status:
(If N circled, see NOD)

General:			
Intact?	Y	N	
# Containers Match COC?	Y	N	none given
IDs Match COC?	Y	N	
For Analyses Requested:			
Correct Type & Preservation?	Y	N	
Adequate Volume?	Y	N	
Within Hold Time?	Y	N	
Volatiles:			
VOAs Free of Headspace?	Y	N	NA
TB on COC? not provided	Y	N	NA
Metals:			
HNO3 Preserved?	Y	N	NA

C

***ESI Clients Only:

Temperature Blank: _____°C not provided

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

Army Corp: Geiger (licks/min): ___ ___ ___ ___

Temperatures (IR): _____°C _____°C _____°C _____°C
(left) (middle) (right) (air)

Project Managers:

Comments:_____

SECOR International Incorporated
7730 SW MOHAWK STREET
TUALATIN, OREGON 97062
(503) 691-2030/692-7074 (FAX)

FACILITY Crowley JOB# BORING/WELL GPD-6
LOCATION Vancouver, WA SURFACE ELEVATION NA
START 0815 FINISH ~~0900~~ 0845 CASING TOP ELEVATION NA
LOGGED BY [illegible] MONITORING DEVICE MiniRae 2000
SUBCONTRACTOR AND EQUIPMENT Cascade Drilling - Bobcat probe
COMMENTS

SAMPLE NUMBER / BLOWS 6"/6"/6"	Sample Depth Interval (feet)	PID Reading (ppm)	Sheen	Depth Below Surface (feet)	Lithologic Description (Typical name, color, description, shape, density, moisture) Example: Clayey SILT, brown; moderately plastic; coarse to fine sand; odor; firm and dry in places	Unified Soil Classification System SYM	PAT	Depth Below Surface (feet)	Well Construction Schematic
				0	moss/grass			0	
[illegible]		0.0	NS		Sand, brown, loose, fine grained, moist to dry				
		0.0							
			NS	5				5	
		0.0							
[illegible]		0.0	NS		silt, grey, firm, no fines, odor				
[illegible]			NS	10	Sand, med coarse, brown to grey, moist to wet, No odor			10	
					wet ~~Boring terminated at 12'~~				
					Silt, grey, odor, some fine sand, med dense, wet				
		123		15				15	
					Boring terminated				
				20	PID erratic during headspace and background screening			20	
				25				25	

Boring terminated at __ feet, sampler advanced to __ feet.
Groundwater encountered at approximately __ feet during drilling.

Field Screen/Lithologic Description Sample; Preserved Sample; No Recovery; * Sample Submitted for Laboratory Analysis
Groundwater Level at Time of Drilling; Static Groundwater Level; SD Sheen Detected; NS No Sheen Detected; NT Not Tested; (2.5Y 4/2) Munsell (1990) Soil Color Charts
Gradational Contact; Contact Located Approximately; Contact
Concrete; Bentonite; 10/20 Colorado Silica Sand; 2" PVC Blank Casing; 2" PVC Screen Casing (0.010 slots); End Cap

DWG:

* PID NOT FUNCTIONING PROPERLY → STOPPED SCREENING

SECOR International Incorporated

7730 SW MOHAWK STREET
TUALATIN, OREGON 97062
(503) 691-2030/692-7074 (FAX)

FACILITY _____ JOB# 1504.CROWN.05 BORING/WELL GPD-7
LOCATION _____ SURFACE ELEVATION _____
START 0850 FINISH 0910 CASING TOP ELEVATION _____
LOGGED BY _____ MONITORING DEVICE _____
SUBCONTRACTOR AND EQUIPMENT _____
COMMENTS _____

SAMPLE NUMBER / BLOWS 6"/6"/6"	Sample Depth Interval (feet)	PID Reading (ppm)	Sheen	Depth Below Surface (feet)	Lithologic Description (Typical name, color, description, shape, density, moisture) Example: Clayey SILT, brown; moderately plastic; coarse to to fine sand; odor; firm and dry in places	Unified Soil Classification System SYM	Unified Soil Classification System PAT	Depth Below Surface (feet)	Well Construction Schematic
				5				5	
				0	MOSS/GRASS			0	
		NT			SAND, BROWN W/RED SPECKS, MED. GRAINED, MOIST				
				5				5	
					THIN CLAY LENSE (~3") W/COARSE SAND				
					MED-FINE GRAINED				
		SD	SD	10	SANDY SILT TO SILT, GRAY W/WOOD CHIPS; STRONG PETROLEUM ODOR; SLIGHT SHEEN, WET			10	
					BORING TERMINATED AT 12'				
				15				15	
				20				20	
				25				25	

Boring terminated at ___ feet, sampler advanced to ___ feet.
Groundwater encountered at approximately ___ feet during drilling.

Field Screen/Lithologic Description Sample
Preserved Sample
No Recovery
* Sample Submitted for Laboratory Analysis

Groundwater Level at Time of Drilling
Static Groundwater Level
SD Sheen Detected
NS No Sheen Detected
NT Not Tested
(2.5Y 4/2) Munsell (1990) Soil Color Charts

Gradational Contact
Contact Located Approximately
Contact

Concrete
Bentonite
10/20 Colorado Silica Sand
2" PVC Blank Casing
2" PVC Screen Casing (0.010 slots)
End Cap

DWG:

SECOR International Incorporated
7730 SW MOHAWK STREET
TUALATIN, OREGON 97062
(503) 691-2030/692-7074 (FAX)

PAGE OF

FACILITY _____ JOB# _____ BORING/WELL GPD-2
LOCATION _____ SURFACE ELEVATION _____
START 0915 FINISH 0940 CASING TOP ELEVATION _____
LOGGED BY _____ MONITORING DEVICE _____
SUBCONTRACTOR AND EQUIPMENT _____
COMMENTS _____

SAMPLE NUMBER / BLOWS 6"/6"/6"	Sample Depth Interval (feet)	PID Reading (ppm)	Sheen	Depth Below Surface (feet)	Lithologic Description (Typical name, color, description, shape, density, moisture) Example: Clayey SILT, brown; moderately plastic; coarse to to fine sand; odor; firm and dry in places	Unified Soil Classification System SYM	PAT	Depth Below Surface (feet)	Well Construction Schematic
				5				5	
				0	MOSS			0	
					SAND, BROWN W/RED, FINE TO MEDIUM GRAINED, MOIST				
					STAIN ~1", NO ODOR OR SHEEN - ORGANIC				
				5				5	
					SILTY SAND, GRAY, FINE GRAINED MOIST				
				10	SILT, GRAY W/WOOD CHIPS, ST LONG ODOR SLIGHT SHEEN; WET			10	
					BORING TERMINATED AT 12'				
				15				15	
				20				20	
				25				25	

Boring terminated at ___ feet, sampler advanced to ___ feet.
Groundwater encountered at approximately ___ feet during drilling.

Field Screen/Lithologic Description Sample
Preserved Sample
No Recovery
* Sample Submitted for Laboratory Analysis
Groundwater Level at Time of Drilling
Static Groundwater Level
SD Sheen Detected
NS No Sheen Detected
NT Not Tested
(2.5Y 4/2) Munsell (1990) Soil Color Charts
Gradational Contact
Contact Located Approximately
Contact
Concrete
Bentonite
10/20 Colorado Silica Sand
2" PVC Blank Casing
2" PVC Screen Casing (0.010 slots)
End Cap

DWO:

SECOR International Incorporated

7730 SW MOHAWK STREET
TUALATIN, OREGON 97062
(503) 691-2030/692-7074 (FAX)

PAGE OF

FACILITY _____ JOB# _____ BORING/WELL GPD-9
LOCATION _____ SURFACE ELEVATION _____
START 0945 FINISH 1100 CASING TOP ELEVATION _____
LOGGED BY _____ MONITORING DEVICE _____
SUBCONTRACTOR AND EQUIPMENT _____
COMMENTS _____

SAMPLE NUMBER / BLOWS 6"/6"/6"	Sample Depth Interval (feet)	PID Reading (ppm)	Sheen	Depth Below Surface (feet)	Lithologic Description (Typical name, color, description, shape, density, moisture) Example: Clayey SILT, brown; moderately plastic; coarse to to fine sand; odor; firm and dry in places	Unified Soil Classification System SYM	PAT	Depth Below Surface (feet)	Well Construction Schematic
				5				5	
			NS	0	DECOMPOSING LEAVES			0	
		0.0			SAND, BROWN, MED. TO FINE GRAINED, MOIST				
		0.0			ORGANIC LENSE; BLACK ~3"				
		1.5		5				5	
		1.8							
PID									
		1.0		10	SILTY SAND, GRAY, FINE GRAINED, ODOR, MOIST			10	
		3.0			SILT, GRAY W/ WOOD CHIPS, ODOR (STRONG) MOIST ~~WET~~				
Below water table				15	WET; MORE WOOD			15	
					BORING TERMINATED AT 16'				
				20				20	
				25				25	

Boring terminated at ___ feet, sampler advanced to ___ feet.
Groundwater encountered at approximately ___ feet during drilling.

- Field Screen/Lithologic Description Sample
- Preserved Sample
- No Recovery
- * Sample Submitted for Laboratory Analysis
- Groundwater Level at Time of Drilling
- Static Groundwater Level
- SD Sheen Detected
- NS No Sheen Detected
- NT Not Tested
- (2.5Y 4/2) Munsell (1990) Soil Color Charts
- Gradational Contact
- Contact Located Approximately
- Contact
- Concrete
- Bentonite
- 10/20 Colorado Silica Sand
- 2" PVC Blank Casing
- 2" PVC Screen Casing (0.010 slots)
- End Cap

DWG:

SECOR International Incorporated
7730 SW MOHAWK STREET
TUALATIN, OREGON 97062
(503) 691-2030/692-7074 (FAX)

PAGE OF

FACILITY _____ JOB# _____ BORING/WELL SPD-10
LOCATION _____ SURFACE ELEVATION _____
START 0950 FINISH 1010 CASING TOP ELEVATION _____
LOGGED BY _____ MONITORING DEVICE _____
SUBCONTRACTOR AND EQUIPMENT _____
COMMENTS _____

SAMPLE NUMBER / BLOWS 6"/6"/6"	Sample Depth Interval (feet)	PID Reading (ppm)	Sheen	Depth Below Surface (feet)	Lithologic Description (Typical name, color, description, shape, density, moisture) Example: Clayey SILT, brown; moderately plastic; coarse to to fine sand; odor; firm and dry in places	Unified Soil Classification System SYM	PAT	Depth Below Surface (feet)	Well Construction Schematic
				5	* BELOW TREE --> DRY & NO ODOR			5	
			NS	0	SAND, LIGHT BROWN, FINE TO MED GRAINED, DRY			0	
		0.0			MOIST				
		0.8		5				5	
		1.2			SILT LENSE W/ORGANICS				
		1.7							
		1.7		10	NO RECOVERY (10-12')			10	
		0.0			SILTY SAND, LIGHT BROWN W/ WOOD CHIPS MOIST				
		1.5			SILT, GRAY W/ WOOD CHIPS (PURPLE TINT), ODOR, WET				
				15	BORING TERMINATED AT 15'			15	
				20				20	
				25				25	

Boring terminated at ___ feet, sampler advanced to ___ feet.
Groundwater encountered at approximately ___ feet during drilling.

- Field Screen/Lithologic Description Sample
- Preserved Sample
- No Recovery
- * Sample Submitted for Laboratory Analysis
- Groundwater Level at Time of Drilling
- Static Groundwater Level
- SD Sheen Detected
- NS No Sheen Detected
- NT Not Tested
- (2.5Y 4/2) Munsell (1990) Soil Color Charts
- Gradational Contact
- Contact Located Approximately
- Contact
- Concrete
- Bentonite
- 10/20 Colorado Silica Sand
- 2" PVC Blank Casing
- 2" PVC Screen Casing (0.010 slots)
- End Cap

DWG:

SECOR International Incorporated
7730 SW MOHAWK STREET
TUALATIN, OREGON 97062
(503) 691-2030/692-7074 (FAX)

PAGE OF

FACILITY _____ JOB# _____ BORING/WELL GPD-11
LOCATION _____ SURFACE ELEVATION _____
START 1540 FINISH 1605 CASING TOP ELEVATION _____
LOGGED BY _____ MONITORING DEVICE _____
SUBCONTRACTOR AND EQUIPMENT _____
COMMENTS _____

SAMPLE NUMBER / BLOWS 6"/6"/6"	Sample Depth Interval (feet)	PID Reading (ppm)	Sheen	Depth Below Surface (feet)	Lithologic Description (Typical name, color, description, shape, density, moisture) Example: Clayey SILT, brown; moderately plastic; coarse to to fine sand; odor; firm and dry in places	Unified Soil Classification System SYM	Unified Soil Classification System PAT	Depth Below Surface (feet)	Well Construction Schematic
				5				5	
				0	MOSS/GRASS			0	
			NS		SAND, BROWN, FINE GRAINED, DRY				
		1.0							
		1.0			NO RECOVERY FROM 3-6'				
				5				5	
		5.0			~~BROWN~~ SAND, BROWN, FINE GRAINED, MOIST WITH SILT LENSES & ~~OXIDIZED~~ Vg OXIDIZED LAYERS ~1" THICK				
					S				
				10				10	
		5.0			SAND, BROWN, FINE GRAINED, DRY/MOIST				
				15				15	
			▽		ORGANICS MIXED WITH SAND TO GRAVEL				
			▼		WET, ODOR				
			S						
				20				20	
				25				25	

Boring terminated at ___ feet, sampler advanced to ___ feet.
Groundwater encountered at approximately ___ feet during drilling.

Field Screen/Lithologic Description Sample
Preserved Sample
No Recovery
* Sample Submitted for Laboratory Analysis
▽ Groundwater Level at Time of Drilling
▼ Static Groundwater Level
SD Sheen Detected
NS No Sheen Detected
NT Not Tested
(2.5Y 4/2) Munsell (1990) Soil Color Charts
Gradational Contact
Contact Located Approximately
Contact
Concrete
Bentonite
10/20 Colorado Silica Sand
2" PVC Blank Casing
2" PVC Screen Casing (0.010 slots)
End Cap

DWG:

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7730 SW MOHAWK STREET
TUALATIN, OREGON 97062
(503) 691-2030/692-7074 (FAX)

PAGE OF

FACILITY _____ JOB# _____ BORING/WELL GPD-12
LOCATION _____ SURFACE ELEVATION _____
START 1510 FINISH 1535 CASING TOP ELEVATION _____
LOGGED BY _____ MONITORING DEVICE _____
SUBCONTRACTOR AND EQUIPMENT _____
COMMENTS _____

SAMPLE NUMBER / BLOWS 6"/6"/6"	Sample Depth Interval (feet)	PID Reading (ppm)	Sheen	Depth Below Surface (feet)	Lithologic Description (Typical name, color, description, shape, density, moisture) Example: Clayey SILT, brown; moderately plastic; coarse to to fine sand; odor; firm and dry in places	Unified Soil Classification System SYM	PAT	Depth Below Surface (feet)	Well Construction Schematic
				5				5	
				0	DARK ORGANIC MATERIAL			0	
			NS		SAND, BROWN, MEDIUM TO FINE GRAIN DRY				
		0.0			MOIST				
		0.0		5				5	
		0.3			LAYERS OF OXIDIZED SAND (~1/4" THICK)				
		1.6							
				10				10	
	X	27			SAND, GRAY W/ WOOD CHIPS, FINE GRAINED WET, ODOR				
			S		SILT, GRAY, WET, PETROLEUM ODOR TRACE SAND				
				15				15	
				20				20	
				25				25	

Boring terminated at ___ feet, sampler advanced to ___ feet.
Groundwater encountered at approximately ___ feet during drilling.

Field Screen/Lithologic Description Sample
Preserved Sample
No Recovery
* Sample Submitted for Laboratory Analysis

Groundwater Level at Time of Drilling
Static Groundwater Level
SD Sheen Detected
NS No Sheen Detected
NT Not Tested
(2.5Y 4/2) Munsell (1990) Soil Color Charts

Gradational Contact
Contact Located Approximately
Contact

Concrete
Bentonite
10/20 Colorado Silica Sand

2" PVC Blank Casing
2" PVC Screen Casing (0.010 slots)
End Cap

DWG:

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7730 SW MOHAWK STREET
TUALATIN, OREGON 97062
(503) 691-2030/692-7074 (FAX)

PAGE OF

FACILITY _____ JOB# _____ BORING/WELL GPD-13
LOCATION _____ SURFACE ELEVATION _____
START 1415 FINISH 1435 CASING TOP ELEVATION _____
LOGGED BY _____ MONITORING DEVICE _____
SUBCONTRACTOR AND EQUIPMENT _____
COMMENTS _____

SAMPLE NUMBER / BLOWS 6"/6"/6"	Sample Depth Interval (feet)	PID Reading (ppm)	Sheen	Depth Below Surface (feet)	Lithologic Description (Typical name, color, description, shape, density, moisture) Example: Clayey SILT, brown; moderately plastic; coarse to to fine sand; odor; firm and dry in places	Unified Soil Classification System SYM	PAT	Depth Below Surface (feet)	Well Construction Schematic
				0	GRASS			0	
		0			SAND, BROWN, FINE TO MEDIUM GRAINED, MOIST				
		43		5				5	
	X	93			SILT, GRAY W/WOOD, STRONG PETROLEUM ODOR, MOIST (~3" THICK)				
					SAND, FINE GRAINED, GRAY, STRONG ODOR MOIST, DENSE (AT 9.5')				
	X	122	V	10				10	
		169	SS		W/WOOD DEBRIS, WET				
				15	SILTY CLAY W/ORGANICS, GRAY, STRONG ODOR			15	
					TERMINATE BORING AT 16'				
				20				20	
				25				25	

Boring terminated at ___ feet, sampler advanced to ___ feet.
Groundwater encountered at approximately ___ feet during drilling.

Field Screen/Lithologic Description Sample
Preserved Sample
No Recovery
* Sample Submitted for Laboratory Analysis
Groundwater Level at Time of Drilling
Static Groundwater Level
SD Sheen Detected
NS No Sheen Detected
NT Not Tested
(2.5Y 4/2) Munsell (1990) Soil Color Charts
Gradational Contact
Contact Located Approximately
Contact
Concrete
Bentonite
10/20 Colorado Silica Sand
2" PVC Blank Casing
2" PVC Screen Casing (0.010 slots)
End Cap

DWO:

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7730 SW MOHAWK STREET
TUALATIN, OREGON 97062
(503) 691-2030/692-7074 (FAX)

PAGE OF

FACILITY _____ JOB# _____ BORING/WELL GPD-14
LOCATION _____ SURFACE ELEVATION _____
START 1440 FINISH 1505 CASING TOP ELEVATION _____
LOGGED BY _____ MONITORING DEVICE _____
SUBCONTRACTOR AND EQUIPMENT _____
COMMENTS _____

SAMPLE NUMBER / BLOWS 6"/6"/6"	Sample Depth Interval (feet)	PID Reading (ppm)	Sheen	Depth Below Surface (feet)	Lithologic Description (Typical name, color, description, shape, density, moisture) Example: Clayey SILT, brown; moderately plastic; coarse to to fine sand; odor; firm and dry in places	Unified Soil Classification System SYM	PAT	Depth Below Surface (feet)	Well Construction Schematic
				5				5	
				0	MOSS / GRASS			0	
			NS		SAND, BROWN W/RED, FINE TO MEDIUM GRAINED, MOIST, OXIDATION LAYERS				
		0.0							
		0.0		5				5	
		B							
		0.5			SILT, GRAY W/WOOD, STRONG ODOR MOIST (@4')				
					SILTY SAND, GRAY W/WOOD, FINE GRAINED, SLIGHT ODOR, MOIST (AT 7.5')				
		1.9		10	SAND, BROWN, FINE TO MED. GRAINED, MOIST			10	
		240			~~SAND, BROWN~~ SILTY SAND, GRAY W/WOOD, FINE GRAINED; ODOR				
		175							
				15	SILT, GRAY, WET, STRONG ODOR			15	
				20				20	
				25				25	

Boring terminated at ___ feet, sampler advanced to ___ feet.
Groundwater encountered at approximately ___ feet during drilling.

Field Screen/Lithologic Description Sample
Preserved Sample
No Recovery
* Sample Submitted for Laboratory Analysis

Groundwater Level at Time of Drilling
Static Groundwater Level
SD Sheen Detected
NS No Sheen Detected
NT Not Tested
(2.5Y 4/2) Munsell (1990) Soil Color Charts

Gradational Contact
Contact Located Approximately
Contact

Concrete
Bentonite
10/20 Colorado Silica Sand

2" PVC Blank Casing
2" PVC Screen Casing (0.010 slots)
End Cap

DWG:

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PAGE OF

FACILITY _____ JOB# _____ BORING/WELL EPD-15
LOCATION _____ SURFACE ELEVATION _____
START 1635 FINISH 1655 CASING TOP ELEVATION _____
LOGGED BY _____ MONITORING DEVICE _____
SUBCONTRACTOR AND EQUIPMENT _____
COMMENTS _____

SAMPLE NUMBER / BLOWS 6"/6"/6"	Sample Depth Interval (feet)	PID Reading (ppm)	Sheen	Depth Below Surface (feet)	Lithologic Description (Typical name, color, description, shape, density, moisture) Example: Clayey SILT, brown; moderately plastic; coarse to to fine sand; odor; firm and dry in places	Unified Soil Classification System SYM	PAT	Depth Below Surface (feet)	Well Construction Schematic
				0	MOSS / GRASS			0	* PID NOT READING ACCURATELY DUE TO RAIN
					SAND, BROWN W/RED, MED-FINE GRAINED, MOIST				
				5	SILT, DK GRAY W/RED, WOOD CHIPS, SLIGHT ODOR (~3 THICK), MOIST			5	
					SILT, DK GRAY, WOOD CHIPS, SLIGHT ODOR (~4' THICK) AT 7', MOIST				
				10	SILTY SAND, BROWN, FINE GRAINED, MOIST AT 8'			10	
					GRAY WET				
					SILT, GRAY, W/WOOD CHIPS, ODOR, WET				
				15	TERMINATE BORING AT 16'			15	
				20				20	
				25				25	

Boring terminated at ___ feet, sampler advanced to ___ feet.
Groundwater encountered at approximately ___ feet during drilling.

Field Screen/Lithologic Description Sample
Preserved Sample
No Recovery
* Sample Submitted for Laboratory Analysis
Groundwater Level at Time of Drilling
Static Groundwater Level
SD Sheen Detected
NS No Sheen Detected
NT Not Tested
(2.5Y 4/2) Munsell (1990) Soil Color Charts
Gradational Contact
Contact Located Approximately
Contact
Concrete
Bentonite
10/20 Colorado Silica Sand
2" PVC Blank Casing
2" PVC Screen Casing (0.010 slots)
End Cap

DWG:

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PAGE OF

FACILITY _____ JOB# _____ BORING/WELL GPD-10
LOCATION _____ SURFACE ELEVATION _____
START 1610 FINISH 1630 CASING TOP ELEVATION _____
LOGGED BY _____ MONITORING DEVICE _____
SUBCONTRACTOR AND EQUIPMENT _____
COMMENTS _____

SAMPLE NUMBER / BLOWS 6"/6"/6"	Sample Depth Interval (feet)	PID Reading (ppm)	Sheen	Depth Below Surface (feet)	Lithologic Description (Typical name, color, description, shape, density, moisture) Example: Clayey SILT, brown; moderately plastic; coarse to to fine sand; odor; firm and dry in places	Unified Soil Classification System SYM	PAT	Depth Below Surface (feet)	Well Construction Schematic
				5				5	
				0	MOSS / GRASS			0	
		0.2			SAND, BROWN W/RED., FINE GRAINED., MOIST				
		0.5							
		5.2		5				5	
		0.9			W/LAYERS OF WOOD				
					CLAY LENSE W/WOOD ~1" THICK				
		41.0		10				10	
X		22.1	SD		SILTY SAND, GRAY W/WOOD CHIPS, WET, ODOR				
					SAND, GRAY, FINE GRAINED, WET, ODOR				
					SILT, GRAY, SLIGHT ODOR, WET,				
				15				15	
				20				20	
				25				25	

Boring terminated at ___ feet, sampler advanced to ___ feet.
Groundwater encountered at approximately ___ feet during drilling.

Field Screen/Lithologic Description Sample
Preserved Sample
No Recovery
* Sample Submitted for Laboratory Analysis
Groundwater Level at Time of Drilling
Static Groundwater Level
SD Sheen Detected
NS No Sheen Detected
NT Not Tested
(2.5Y 4/2) Munsell (1990) Soil Color Charts
Gradational Contact
Contact Located Approximately
Contact
Concrete
Bentonite
10/20 Colorado Silica Sand
2" PVC Blank Casing
2" PVC Screen Casing (0.010 slots)
End Cap

DWG:

CROWLEY - GPS WELL LOCATIONS
2/11/05

ARRIVE AT SITE 0715

TAKE KNOWN PT-1 (ON CURVE OF ROAD, SE CORNER OF LAGOON) (0730)
MW-1 (0735)
MW-17 (0739)
MW-21 (0942)

MW-15 (0745) - MANHOLE COVER W/ DELINEATOR
MW-14 (0749) - MANHOLE COVER; 2 "NEWER" MONUMENTS NEAR ROAD MARKED "N"
↳ OFF ROAD ABOUT 15 feet
MW-11 (0956)

MW-16 (1000)
MW-12 (1004)
MW-18 (1010)
MW-3 (1012)

PT-1 (1056)
PT-2 (1058)
PT-4 (1059)
PT-3 (1101)

RW-4 (1023)
RW-2 (1025) → MW-8
MW-7 → RW-1 (1027)
RW-6 → EX-2 (1029)

PT-6 (1104)
PT-5 (1105)
PT-7 (1108)
PT-8 (1109)

MW-1 (1032)
MW-10 (1033)
MW-9 (1036)
MW-2 (1039)

NW CORNER OF PUMP (1117)
KNOCK OUT DRUM (1119)
~~SE CORNER OF~~ 1 KO TANK (1122)
NE CORNER OF 2 KO TANK (1125)

MW-4 (1042)
* UNABLE TO LOCATE MW-5 OR MW-6
RW-5 (1046)

SW CORNER OF 2 KO TANK (1128)
MIDPOINT #2 (1133)
MIDPOINT #1 (1134)
EXHAUST STACK (1139)

KO CARBON DRUM 1 (1141)
KO CARBON DRUM 2 (1143)
ELECTRICAL CONTROL BOX ON POWER POLE NEAR GATE OF SITE (~20 SSE OF GATE PST) (1145)

APPENDIX D

AUGUST 2007 GROUNDWATER MONITORING EVENT FIELD DATA SHEETS

SLR International Corp

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT #: 008.0205.000007 PURGED BY: EMG, JMZ WELL I.D.: MW-1

CLIENT NAME: Crowley SAMPLED BY: _____ SAMPLE I.D.: _____

LOCATION: Vancouver Washington QA SAMPLES: _____

DATE PURGED 8/30/07 START (2400hr) 11:27 END (2400hr) _____

DATE SAMPLED _____ SAMPLE TIME (2400hr) 11:33 2PA 2UPA 3VOA

SAMPLE TYPE: Groundwater X Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" _____ 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (µS/cm)	pH (units)	DO	ORP	TURBIDITY (visual)
8/30/07	11:31	.25	16.01	.124	6.30	1.348	-205	Brown Clay Chunks

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: ___ YES ___ NO ANALYSES: _____

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
X Peristalic Pump
___ Bailer (Teflon)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated _____

Other: _____

Pump Depth: _____

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
X Peristalic Pump
___ Bailer (Teflon)
___ Bailer (___ PVC or ___ disposable)
___ Bailer (Stainless Steel)
___ Dedicated _____

Other: _____

WELL INTEGRITY: _____ LOCK#: _____

REMARKS: Well Dry before 4th VOA, 2 more VOAs taken 8/31/07

SIGNATURE: _____ Page ___ of ___

SLR International Corp

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT #: 008.0205.000007 PURGED BY: EMG, JMZ WELL I.D.: MW-2

CLIENT NAME: Crowley SAMPLED BY: _____ SAMPLE I.D.: _____

LOCATION: Vancouver Washington QA SAMPLES: _____

DATE PURGED _____ START (2400hr) 1:40 END (2400hr) _____

DATE SAMPLED _____ SAMPLE TIME (2400hr) _____

SAMPLE TYPE: Groundwater X Surface Water ____ Treatment Effluent ____ Other _____

CASING DIAMETER: 2" ____ 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other ____

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (µS/cm)	pH (units)	DO	ORP	TURBIDITY (visual)
8/30	1:50		7.41	0.192	7.51	69.88	-122.4	Black

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: ____ YES ____ NO ANALYSES: _____

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristaltic Pump
____ Bailer (Teflon)
____ Bailer (PVC)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

Pump Depth: _____

SAMPLING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristaltic Pump
____ Bailer (Teflon)
____ Bailer (____ PVC or ____ disposable)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

WELL INTEGRITY: _____ LOCK#: _____

REMARKS: Well

SIGNATURE: _____ Page ____ of ____

SLR International Corp

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT #: 008.0205.000007 PURGED BY: EMG, JMZ WELL I.D.: MW-3

CLIENT NAME: Crowley SAMPLED BY: _____ SAMPLE I.D.: _____

LOCATION: Vancouver Washington QA SAMPLES: _____

DATE PURGED 8/30/07 START (2400hr) 10:55 END (2400hr) _____

DATE SAMPLED _____ SAMPLE TIME (2400hr) 11:01

SAMPLE TYPE: Groundwater X Surface Water ____ Treatment Effluent ____ Other _____

CASING DIAMETER: 2" ____ 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other ____

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (µS/cm)	pH (units)	DO	ORP	TURBIDITY (visual)
8/30/07			15.97	0.370	7.23	114.54	-87.0	clear

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: ____ YES ____ NO ANALYSES: _____

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristalic Pump
____ Bailer (Teflon)
____ Bailer (PVC)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

Pump Depth: _____

SAMPLING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristalic Pump
____ Bailer (Teflon)
____ Bailer (____ PVC or ____ disposable)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

WELL INTEGRITY: _____ LOCK#: _____

REMARKS: _____

SIGNATURE: _____ Page ____ of ____

SLR International Corp

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT #: 008.0205.000007 PURGED BY: SMG, JMZ WELL I.D.: MW-4

CLIENT NAME: Crowley SAMPLED BY: _____ SAMPLE I.D.: _____

LOCATION: Vancouver Washington QA SAMPLES: _____

DATE PURGED 8/30/07 START (2400hr) 12:10 END (2400hr) _____

DATE SAMPLED _____ SAMPLE TIME (2400hr) 12:16

SAMPLE TYPE: Groundwater X Surface Water ____ Treatment Effluent ____ Other _____

CASING DIAMETER: 2" ____ 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other ____

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (µS/cm)	pH (units)	DO	ORP	TURBIDITY (visual)
	12:14	.25	15.92	.468	6.77	02.85 / 1534	-46.4	

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: ____ YES ____ NO ANALYSES: _____

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristalic Pump
____ Bailer (Teflon)
____ Bailer (PVC)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

Pump Depth: _____

SAMPLING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristalic Pump
____ Bailer (Teflon)
____ Bailer (____ PVC or ____ disposable)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

WELL INTEGRITY: _____ LOCK#: _____

REMARKS: _____

SIGNATURE: _____ Page ____ of ____

SLR International Corp

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT #: 008.0205.000007 PURGED BY: EHG, JMZ WELL I.D.: MW-7

CLIENT NAME: Crowley SAMPLED BY: _____ SAMPLE I.D.: _____

LOCATION: Vancouver Washington QA SAMPLES: _____

DATE PURGED 8/30/07 START (2400hr) 3:11 END (2400hr) _____

DATE SAMPLED _____ SAMPLE TIME (2400hr) 3:15

SAMPLE TYPE: Groundwater X Surface Water ____ Treatment Effluent ____ Other _____

CASING DIAMETER: 2" ____ 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other ____

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (µS/cm)	pH (units)	DO	ORP	TURBIDITY (visual)
8/30/07	3:14		19.92	0.644	6.63	376.61	-089	Slgt Yellow

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: ___ YES ___ NO ANALYSES: _____

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)
___ Centrifugal Pump ___ Bailer (PVC)
___ Submersible Pump ___ Bailer (Stainless Steel)
X Peristalic Pump ___ Dedicated _____

Other: _____

Pump Depth: _____

SAMPLING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)
___ Centrifugal Pump ___ Bailer (___ PVC or ___ disposable)
___ Submersible Pump ___ Bailer (Stainless Steel)
X Peristalic Pump ___ Dedicated _____

Other: _____

WELL INTEGRITY: _____ LOCK#: _____

REMARKS: Well went dry after ½ Liter.
Saved ½ liter amber because visible product

SIGNATURE: _____ Page ___ of ___

Sample inspected in office, no product was visible, may have been a sheen, but no NAPL. SRH

SLR International Corp

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT #: 008.0205.000007 PURGED BY: EMG, JMZ WELL I.D.: MW-8

CLIENT NAME: Crowley SAMPLED BY: _____ SAMPLE I.D.: _____

LOCATION: Vancouver Washington QA SAMPLES: _____

DATE PURGED 8/20/07 START (2400hr) 2:55 END (2400hr) _____

DATE SAMPLED _____ SAMPLE TIME (2400hr) _____

SAMPLE TYPE: Groundwater X Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER:	2"	3"	4"	5"	6"	8"	Other
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	( )

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (µS/cm)	pH (units)	DO	ORP	TURBIDITY (visual)

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: ____ YES ____ NO ANALYSES: _____

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristaltic Pump
____ Bailer (Teflon)
____ Bailer (PVC)
____ Bailer (Stainless Steel)
____ Dedicated _____
Other: _____
Pump Depth: _____

SAMPLING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristaltic Pump
____ Bailer (Teflon)
____ Bailer (____ PVC or ____ disposable)
____ Bailer (Stainless Steel)
____ Dedicated _____
Other: _____

WELL INTEGRITY: _____ LOCK#: _____

REMARKS: Went dry after approximately 1/2 cup

SIGNATURE: _____ Page ____ of ____

SLR International Corp

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT #: 008.0205.000007 PURGED BY: EMG, JMZ WELL I.D.: MW-9

CLIENT NAME: Crowley SAMPLED BY: _____ SAMPLE I.D.: _____

LOCATION: Vancouver Washington QA SAMPLES: _____

DATE PURGED 8/30/07 START (2400hr) 1:31 END (2400hr) _____

DATE SAMPLED _____ SAMPLE TIME (2400hr) _____

SAMPLE TYPE: Groundwater X Surface Water ____ Treatment Effluent ____ Other _____

CASING DIAMETER:	2"	3"	4"	5"	6"	8"	Other
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	( )

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (µS/cm)	pH (units)	DO	ORP	TURBIDITY (visual)

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: ____ YES ____ NO ANALYSES: _____

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristalic Pump
____ Bailer (Teflon)
____ Bailer (PVC)
____ Bailer (Stainless Steel)
____ Dedicated _____
Other: _____
Pump Depth: _____

SAMPLING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristalic Pump
____ Bailer (Teflon)
____ Bailer (____ PVC or ____ disposable)
____ Bailer (Stainless Steel)
____ Dedicated _____
Other: _____

WELL INTEGRITY: _____ LOCK#: _____

REMARKS: Well went dry before we could fill cell dark mud and slight hydrocarbon smell

SIGNATURE: _____ Page ____ of ____

SLR International Corp

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT #: 008.0205.000007 PURGED BY: EMG, JMZ WELL I.D.: MW-10

CLIENT NAME: Crowley SAMPLED BY: _____ SAMPLE I.D.: _____

LOCATION: Vancouver Washington QA SAMPLES: _____

DATE PURGED 9/30/07 START (2400hr) _____ END (2400hr) _____

DATE SAMPLED _____ SAMPLE TIME (2400hr) _____

SAMPLE TYPE: Groundwater X Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER:	2"	3"	4"	5"	6"	8"	Other
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	( )

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (µS/cm)	pH (units)	DO	ORP	TURBIDITY (visual)

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: ___ YES ___ NO ANALYSES: _____

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
X Peristalic Pump
___ Bailer (Teflon)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated _____

Other: _____

Pump Depth: _____

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
X Peristalic Pump
___ Bailer (Teflon)
___ Bailer (___ PVC or ___ disposable)
___ Bailer (Stainless Steel)
___ Dedicated _____

Other: _____

WELL INTEGRITY: _____ LOCK#: _____

REMARKS: Well was dry.

SIGNATURE: _____ Page ___ of ___

SLR International Corp

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT #: 008.0205.000007 PURGED BY: S.M.G. WELL I.D.: MW-11

CLIENT NAME: Crowley SAMPLED BY: _____ SAMPLE I.D.: _____

LOCATION: Vancouver Washington QA SAMPLES: _____

DATE PURGED 8/31/07 START (2400hr) 8:58 END (2400hr) _____

DATE SAMPLED _____ SAMPLE TIME (2400hr) 9:03 5 VOAs 2 HCL Am

SAMPLE TYPE: Groundwater X Surface Water ____ Treatment Effluent ____ Other _____

CASING DIAMETER: 2" ____ 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other ____

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (µS/cm)	pH (units)	DO	ORP	TURBIDITY (visual)
8/31/07	9:01		15.43	1142	7.58	2.13	11	yellow

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: ____ YES ____ NO ANALYSES: _____

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristalic Pump
____ Bailer (Teflon)
____ Bailer (PVC)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

Pump Depth: _____

SAMPLING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristalic Pump
____ Bailer (Teflon)
____ Bailer (____ PVC or ____ disposable)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

WELL INTEGRITY: _____ LOCK#: _____

REMARKS: _____

SIGNATURE: _____ Page ____ of ____

SLR International Corp

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT #: 008.0205.000007 PURGED BY: EMG, JMZ WELL I.D.: MW-12

CLIENT NAME: Crowley SAMPLED BY: _____ SAMPLE I.D.: _____

LOCATION: Vancouver Washington QA SAMPLES: _____

DATE PURGED 8/31/07 START (2400hr) 10:00 END (2400hr) _____

DATE SAMPLED _____ SAMPLE TIME (2400hr) 10:05

SAMPLE TYPE: Groundwater X Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" _____ 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (µS/cm)	pH (units)	DO	ORP	TURBIDITY (visual)
8/31/07	10:04	.25	17.01	.147	7.30	1.863	-57	slightly cloudy

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: ___ YES ___ NO ANALYSES: _____

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
X Peristaltic Pump
___ Bailer (Teflon)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated _____

Other: _____

Pump Depth: _____

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
X Peristaltic Pump
___ Bailer (Teflon)
___ Bailer (___ PVC or ___ disposable)
___ Bailer (Stainless Steel)
___ Dedicated _____

Other: _____

WELL INTEGRITY: _____ LOCK#: _____

REMARKS: _____

SIGNATURE: _____ Page ___ of ___

SLR International Corp

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT #: 108.0205.000007 PURGED BY: _____ WELL I.D.: MW-13

CLIENT NAME: Crowley SAMPLED BY: JMZ SAMPLE I.D.: _____

LOCATION: Vancouver, WA QA SAMPLES: _____

DATE PURGED _____ START (2400hr) _____ END (2400hr) _____

DATE SAMPLED 9/13/07 SAMPLE TIME (2400hr) 17:10

SAMPLE TYPE: Groundwater X Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" _____ 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____ ( )

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60)

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (µS/cm)	pH (units)	DO	ORP	TURBIDITY (visual)

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: ___ YES ___ NO ANALYSES: _____

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
___ Peristaltic Pump
___ Bailer (Teflon)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated _____

Other: None.

Pump Depth: _____

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
___ Peristaltic Pump
X Bailer (Teflon)
___ Bailer (___ PVC or ___ disposable)
___ Bailer (Stainless Steel)
___ Dedicated _____

Other: _____

WELL INTEGRITY: _____ LOCK#: _____

REMARKS: Brown, cloudy.

SIGNATURE: _____ Page ___ of ___

SLR International Corp

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT #: 008.0205.000007 PURGED BY: _____ WELL I.D.: MW-14

CLIENT NAME: Crowley SAMPLED BY: JMZ SAMPLE I.D.: _____

LOCATION: Vancouver, WA QA SAMPLES: _____

DATE PURGED _____ START (2400hr) _____ END (2400hr) _____

DATE SAMPLED 9/13/07 SAMPLE TIME (2400hr) 16:50

SAMPLE TYPE: Groundwater X Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" _____ 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (µS/cm)	pH (units)	DO	ORP	TURBIDITY (visual)

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: ___ YES ___ NO ANALYSES: _____

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)
___ Centrifugal Pump ___ Bailer (PVC)
___ Submersible Pump ___ Bailer (Stainless Steel)
___ Peristaltic Pump ___ Dedicated _____
Other: None
Pump Depth: _____

SAMPLING EQUIPMENT

___ Bladder Pump X Bailer (Teflon)
___ Centrifugal Pump ___ Bailer (___ PVC or ___ disposable)
___ Submersible Pump ___ Bailer (Stainless Steel)
___ Peristaltic Pump ___ Dedicated _____
Other: _____

WELL INTEGRITY: _____ LOCK#: _____

REMARKS: Moisture was present at the bottom of the well however the well was primarily dry and was not able to sample.

SIGNATURE: _____ Page ___ of ___

SLR International Corp

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT #: 008.0205.000007 PURGED BY: SMG, JMZ WELL I.D.: MW-16

CLIENT NAME: Crowley SAMPLED BY: _____ SAMPLE I.D.: _____

LOCATION: Vancouver Washington QA SAMPLES: _____

DATE PURGED 8/31/07 START (2400hr) 9:35 END (2400hr) _____

DATE SAMPLED _____ SAMPLE TIME (2400hr) 9:37

SAMPLE TYPE: Groundwater X Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER:	2"	3"	4"	5"	6"	8"	Other
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	( )

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (µS/cm)	pH (units)	DO	ORP	TURBIDITY (visual)
8/31/07	9:36	.25	17.28	.215	6.81	60.87	-88.5	clear

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: ____ YES ____ NO ANALYSES: _____

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristalic Pump
____ Bailer (Teflon)
____ Bailer (PVC)
____ Bailer (Stainless Steel)
/ Dedicated _____

Other: _____

Pump Depth: _____

SAMPLING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristalic Pump
____ Bailer (Teflon)
____ Bailer (____ PVC or ____ disposable)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

WELL INTEGRITY: _____ LOCK#: _____

REMARKS: _____

SIGNATURE: _____ Page ____ of ____

SLR International Corp

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT #: 008.0205.000007 PURGED BY: _____ WELL I.D.: MW-17

CLIENT NAME: Crowley SAMPLED BY: _____ SAMPLE I.D.: _____

LOCATION: Vancouver Washington QA SAMPLES: _____

DATE PURGED 8/30/07 START (2400hr) 10:15 END (2400hr) _____

DATE SAMPLED _____ SAMPLE TIME (2400hr) 10:22

SAMPLE TYPE: Groundwater X Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER:	2"	3"	4"	5"	6"	8"	Other
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	( )

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (µS/cm)	pH (units)	DO	ORP	TURBIDITY (visual)
	10:19	6.25	16.96	069	7.36	6.214	-99.9	yellow/cloudy

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: ____ YES ____ NO ANALYSES: _____

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristalic Pump
____ Bailer (Teflon)
____ Bailer (PVC)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

Pump Depth: _____

SAMPLING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristalic Pump
____ Bailer (Teflon)
____ Bailer (____ PVC or ____ disposable)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

WELL INTEGRITY: _____ LOCK#: _____

REMARKS: _____

SIGNATURE: _____ Page ____ of ____

SLR International Corp

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT #: 008.0205.000007 PURGED BY: EMG, JMZ WELL I.D.: MW-18

CLIENT NAME: Crowley SAMPLED BY: _____ SAMPLE I.D.: _____

LOCATION: Vancouver Washington QA SAMPLES: _____

DATE PURGED 8/30/07 START (2400hr) _____ END (2400hr) _____

DATE SAMPLED _____ SAMPLE TIME (2400hr) _____

SAMPLE TYPE: Groundwater X Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" _____ 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (µS/cm)	pH (units)	DO	ORP	TURBIDITY (visual)

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: ____ YES ____ NO ANALYSES: _____

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristalic Pump
____ Bailer (Teflon)
____ Bailer (PVC)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

Pump Depth: _____

SAMPLING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristalic Pump
____ Bailer (Teflon)
____ Bailer (____ PVC or ____ disposable)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

WELL INTEGRITY: _____ LOCK#: _____

REMARKS: Well was dry.

SIGNATURE: _____ Page ____ of ____

SLR International Corp

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT #: 008.0205.000007 PURGED BY: EMG, JMZ WELL I.D.: MW-19

CLIENT NAME: Crowley SAMPLED BY: _____ SAMPLE I.D.: _____

LOCATION: Vancouver Washington QA SAMPLES: _____

DATE PURGED 8/30/2007 START (2400hr) 9:44 END (2400hr) _____

DATE SAMPLED 8/31/07 SAMPLE TIME (2400hr) ~~9:50~~ 8:07

SAMPLE TYPE: Groundwater X Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" _____ (0.17) 3" _____ (0.38) 4" _____ (0.67) 5" _____ (1.02) 6" _____ (1.50) 8" _____ (2.60) Other _____ ( )

Casing Volume: (gallons per foot)

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (µS/cm)	pH (units)	DO	ORP	TURBIDITY (visual)
8/30/07	9:46	.25	18.45	.425	6.31	29.23	-141.3	yellow
↓	9:49	.5	~~18.47~~ 18.45	.353	6.20	50.05	-146.3	yellow

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: ____ YES ____ NO ANALYSES: _____

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristaltic Pump
____ Bailer (Teflon)
____ Bailer (PVC)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

Pump Depth: _____

SAMPLING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristaltic Pump
____ Bailer (Teflon)
____ Bailer (____ PVC or ____ disposable)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

WELL INTEGRITY: _____ LOCK#: _____

REMARKS: Sink, well went dry during purging will return next day to sample w/o purge. ! After taken well went dry - Visible sheen to water

SIGNATURE: _____ Page ____ of ____

SLR International Corp

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT #: 008.0205.000007 PURGED BY: EMG, JHZ WELL I.D.: MW-21

CLIENT NAME: Crowley SAMPLED BY: _____ SAMPLE I.D.: _____

LOCATION: Vancouver Washington QA SAMPLES: _____

DATE PURGED _____ START (2400hr) 10:04 END (2400hr) _____

DATE SAMPLED _____ SAMPLE TIME (2400hr) _____

SAMPLE TYPE: Groundwater X Surface Water ____ Treatment Effluent ____ Other _____

CASING DIAMETER:	2"	3"	4"	5"	6"	8"	Other
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	( )

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (µS/cm)	pH (units)	DO	ORP	TURBIDITY (visual)

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: ____ YES ____ NO ANALYSES: _____

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristalic Pump
____ Bailer (Teflon)
____ Bailer (PVC)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

Pump Depth: _____

SAMPLING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristalic Pump
____ Bailer (Teflon)
____ Bailer (____ PVC or ____ disposable)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

WELL INTEGRITY: _____ LOCK#: _____

REMARKS: Well was dry.

SIGNATURE: _____ Page ____ of ____

SLR International Corp

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT #: 008.0205.000007 PURGED BY: _____ WELL I.D.: EX-2

CLIENT NAME: Crowley SAMPLED BY: EMG / JVH2 SAMPLE I.D.: _____

LOCATION: Vancouver Washington QA SAMPLES: _____

DATE PURGED _____ START (2400hr) _____ END (2400hr) _____

DATE SAMPLED _____ SAMPLE TIME (2400hr) 8:26

SAMPLE TYPE: Groundwater X Surface Water ____ Treatment Effluent ____ Other _____

CASING DIAMETER: 2" ____ 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other ____

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (µS/cm)	pH (units)	DO	ORP	TURBIDITY (visual)

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: ____ YES ____ NO ANALYSES: _____

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristalic Pump
____ Bailer (Teflon)
____ Bailer (PVC)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

Pump Depth: _____

SAMPLING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristalic Pump
____ Bailer (Teflon)
____ Bailer (____ PVC or ____ disposable)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

WELL INTEGRITY: _____ LOCK#: _____

REMARKS: Well was not purged due to potential dryness / shallow water depth.

SIGNATURE: _____ Page ____ of ____

SLR International Corp

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT #: 008.0205.000007 PURGED BY: EMG, JMZ WELL I.D.: RW-4

CLIENT NAME: Crowley SAMPLED BY: _____ SAMPLE I.D.: _____

LOCATION: Vancouver Washington QA SAMPLES: _____

DATE PURGED 8/30/2007 START (2400hr) 3:33 END (2400hr) _____

DATE SAMPLED _____ SAMPLE TIME (2400hr) 3:38

SAMPLE TYPE: Groundwater X Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER:	2"	3"	4"	5"	6"	8"	Other
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	( )

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (µS/cm)	pH (units)	DO	ORP	TURBIDITY (visual)

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: ____ YES ____ NO ANALYSES: _____

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristalic Pump
____ Bailer (Teflon)
____ Bailer (PVC)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

Pump Depth: _____

SAMPLING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
X Peristalic Pump
____ Bailer (Teflon)
____ Bailer (____ PVC or ____ disposable)
____ Bailer (Stainless Steel)
____ Dedicated _____

Other: _____

WELL INTEGRITY: _____ LOCK#: _____

REMARKS: Removed old system tubing, tubing was dry. No samples well was dry. When tubing was removed found it to be wet, placed back in well & was able to sample.

SIGNATURE: _____

Page ____ of ____

SLR International Corp

GROUNDWATER SAMPLING FIELD DATA SHEET

PROJECT #: 008.0205.000007 PURGED BY: EMG / JMZ WELL I.D.: RW-5

CLIENT NAME: Crowley SAMPLED BY: _____ SAMPLE I.D.: _____

LOCATION: Vancouver Washington QA SAMPLES: _____

DATE PURGED _____ START (2400hr) 2:40 pm END (2400hr) _____

DATE SAMPLED 8/30/07 SAMPLE TIME (2400hr) _____

SAMPLE TYPE: Groundwater X Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" _____ 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (µS/cm)	pH (units)	DO	ORP	TURBIDITY (visual)

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: ___ YES ___ NO ANALYSES: _____

ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: _____

PURGING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)
___ Centrifugal Pump ___ Bailer (PVC)
___ Submersible Pump ___ Bailer (Stainless Steel)
X Peristalic Pump ___ Dedicated _____

Other: _____

Pump Depth: _____

SAMPLING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)
___ Centrifugal Pump ___ Bailer (___ PVC or ___ disposable)
___ Submersible Pump ___ Bailer (Stainless Steel)
X Peristalic Pump ___ Dedicated _____

Other: _____

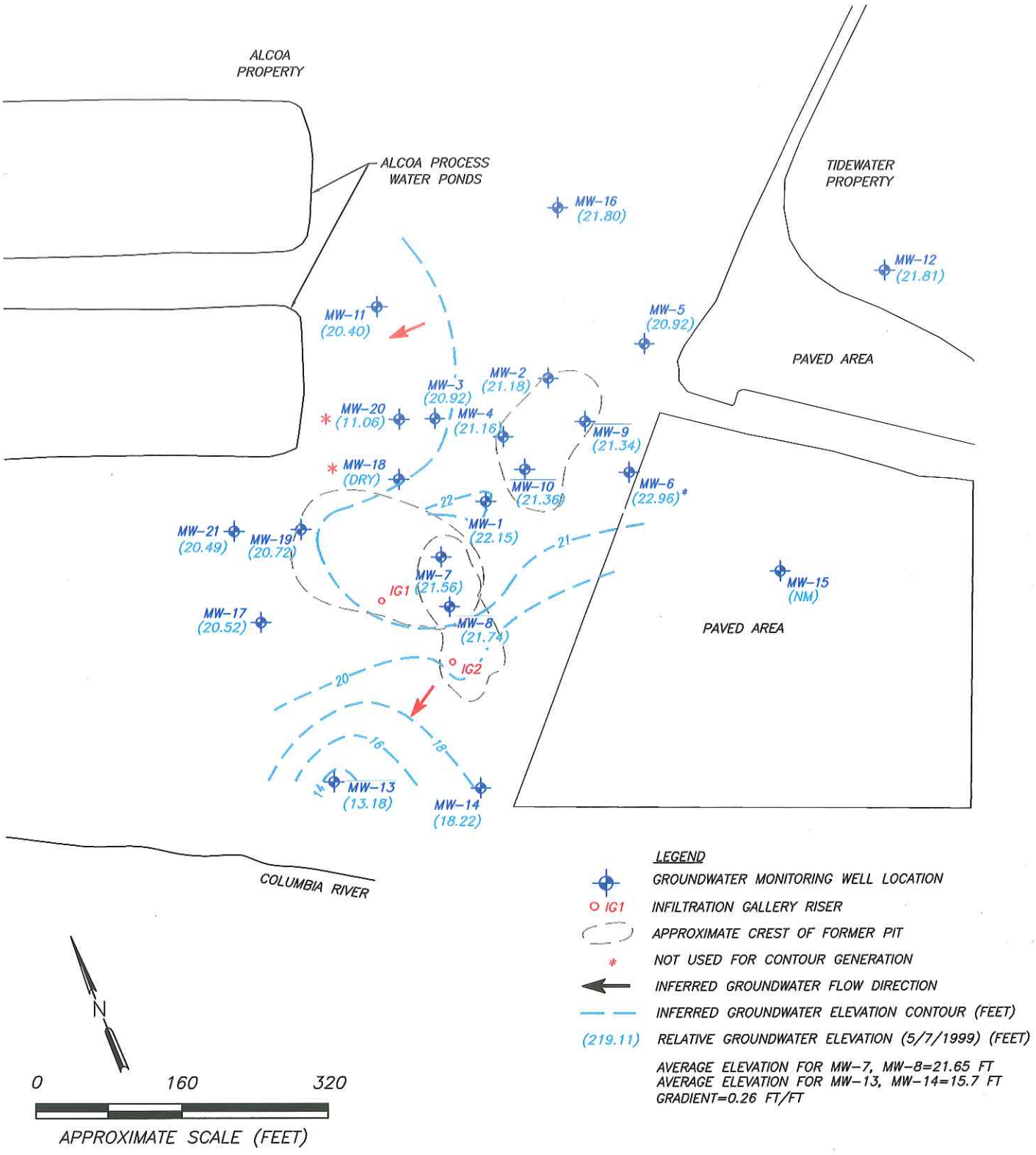
WELL INTEGRITY: _____ LOCK#: _____

REMARKS: Well was dry

SIGNATURE: _____ Page ___ of ___

APPENDIX E

HISTORICAL GROUNDWATER GRADIENTS

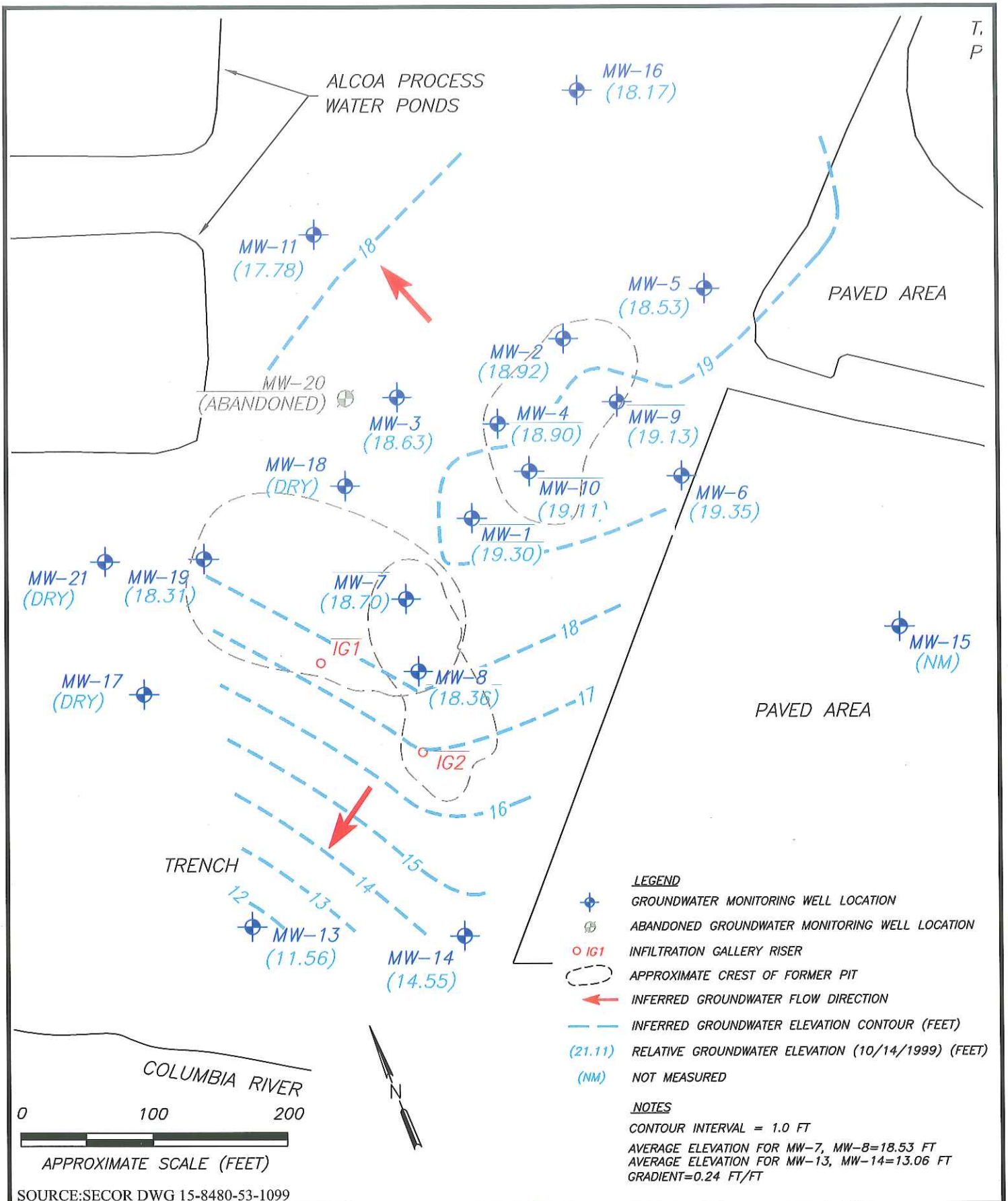


SOURCE:SECOR DWG F3190112

SLR International Corp
1800 Blankenship Road
Suite 440
West Linn, OR 97068
T: 503-723-4423
F: 503-723-4436

DATE 10/07
DWN. EMG
APPR. _____
REVIS. _____
PROJECT NO.
008.0205.00007

FIGURE E-1
FORMER COLUMBIA MARINE LINES FACILITY
6305 LOWER RIVER ROAD
VANCOUVER, WASHINGTON
GROUNDWATER ELEVATION CONTOUR MAP

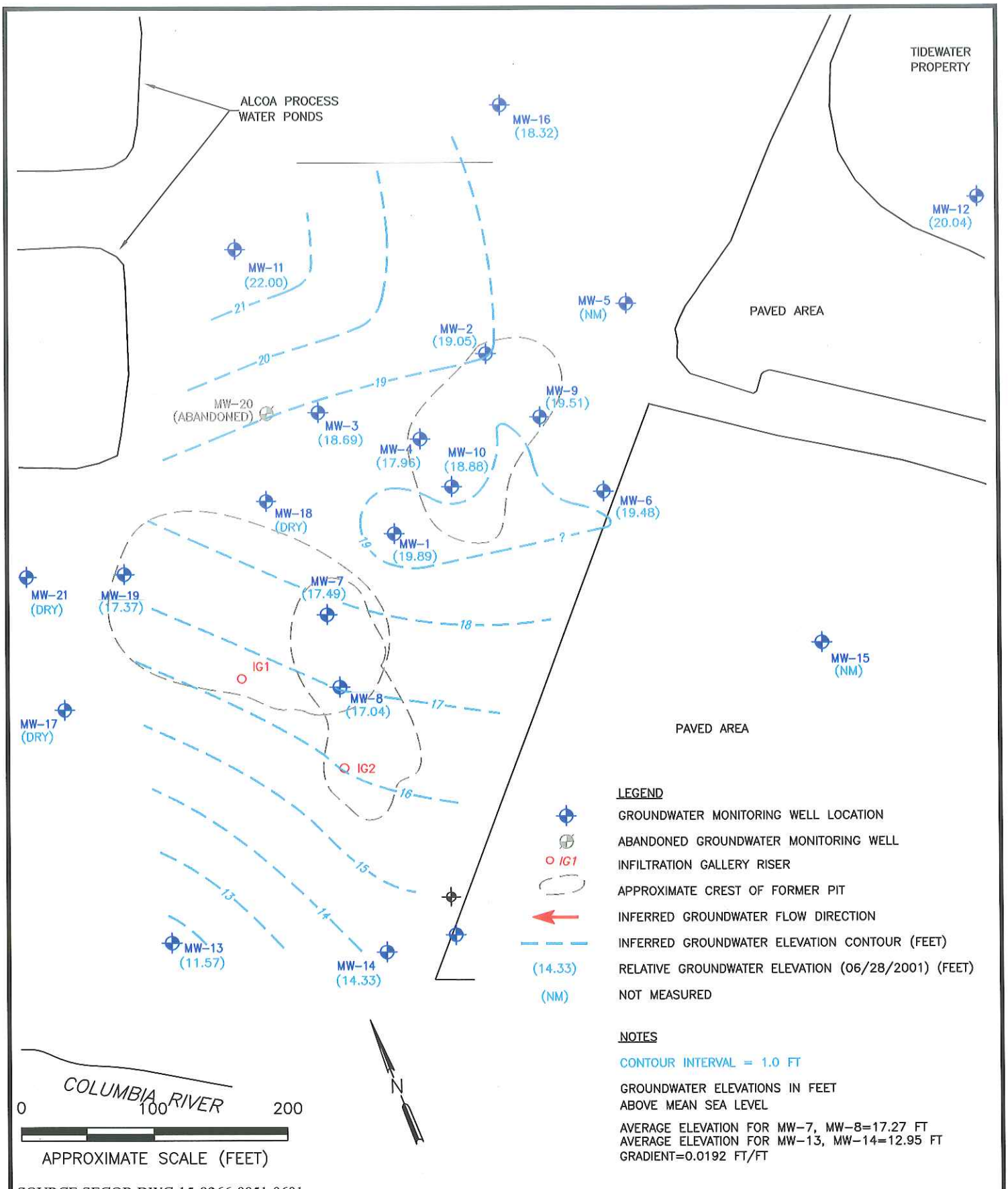


SOURCE:SECOR DWG 15-8480-53-1099

SLR International Corp
1800 Blankenship Road
Suite 440
West Linn, OR 97068
T: 503-723-4423
F: 503-723-4436

DATE 10/07
DWN. EMG
APPR. ____
REVIS. ____
PROJECT NO.
008.0205.00007

FIGURE E-2
FORMER COLUMBIA MARINE LINES FACILITY
6305 LOWER RIVER ROAD
VANCOUVER, WASHINGTON
GROUNDWATER ELEVATION CONTOUR MAP

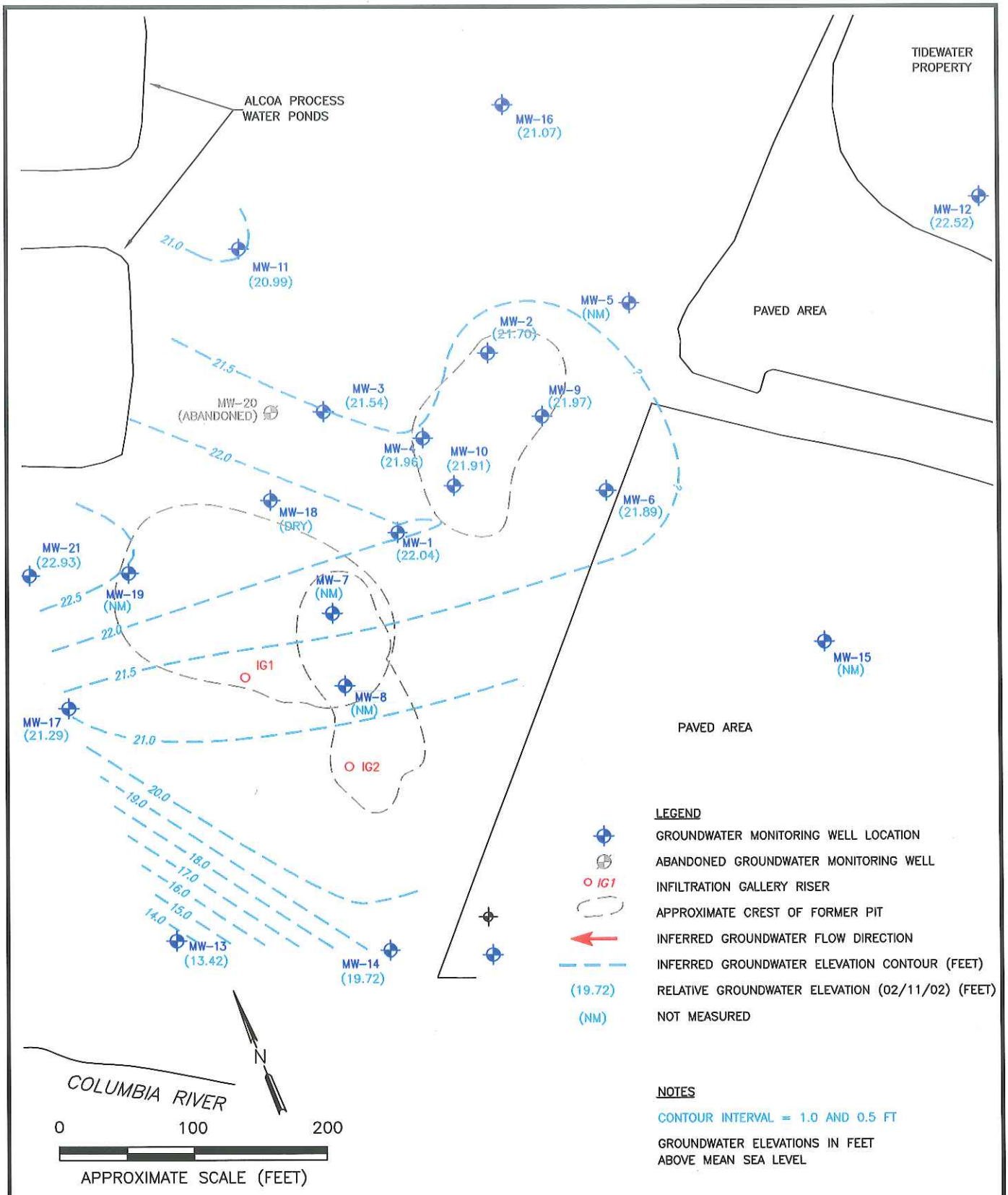


SOURCE:SECOR DWG 15-9266-0051-0601

SLR International Corp
1800 Blankenship Road
Suite 440
West Linn, OR 97068
T: 503-723-4423
F: 503-723-4436

DATE 10/07
DWN. EMG
APPR. ____
REVIS. ____
PROJECT NO.
008.0205.00007

FIGURE E-3
FORMER COLUMBIA MARINE LINES FACILITY
6305 LOWER RIVER ROAD
VANCOUVER, WASHINGTON
GROUNDWATER ELEVATION CONTOUR MAP

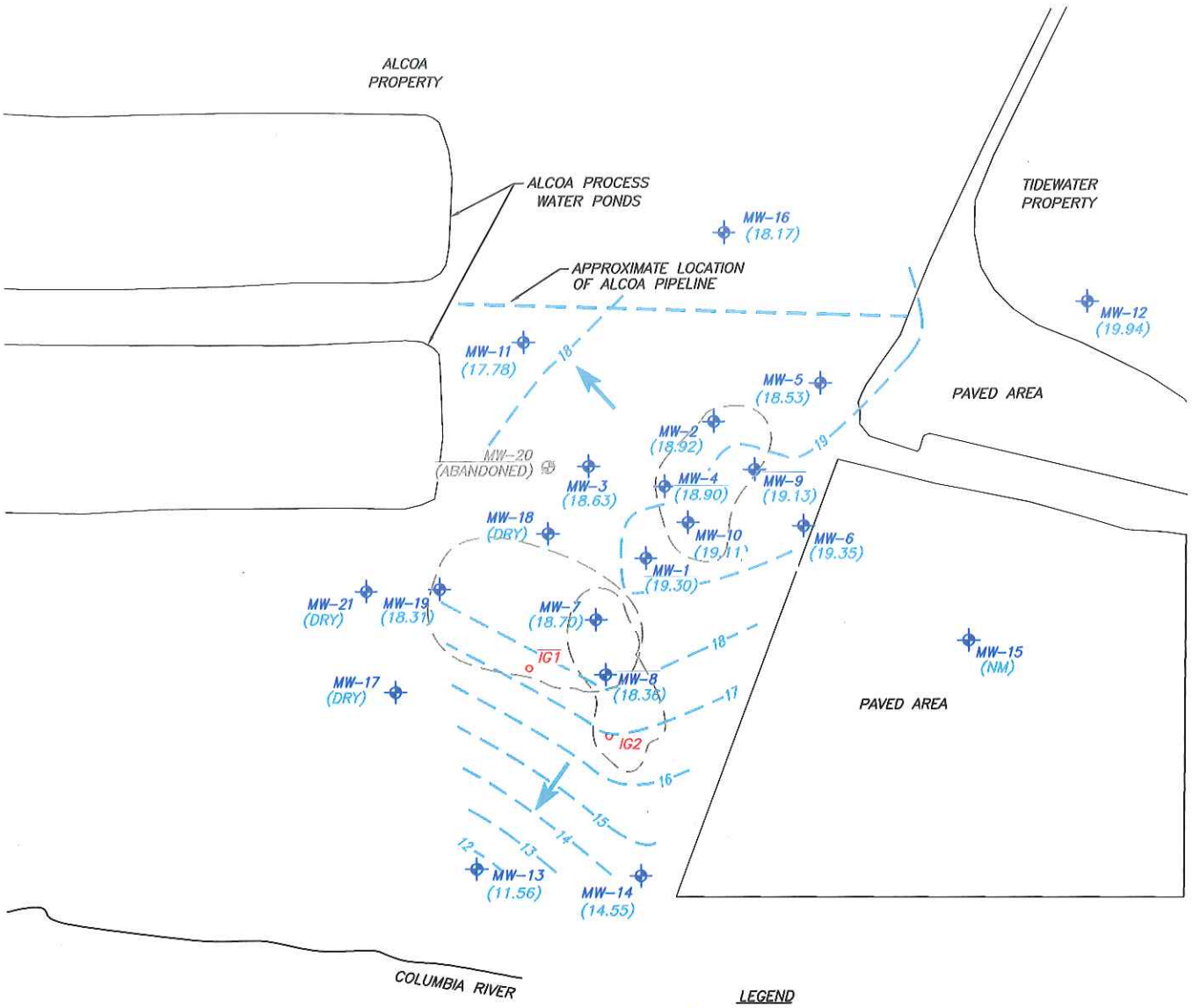


SOURCE:SECOR DWG 150T-8805-62-0202

SLR International Corp
1800 Blankenship Road
Suite 440
West Linn, OR 97068
T: 503-723-4423
F: 503-723-4436

DATE 10/07
DWN. EMG
APPR. _____
REVIS. _____
PROJECT NO.
008.0205.00007

FIGURE E-4
FORMER COLUMBIA MARINE LINES FACILITY
6305 LOWER RIVER ROAD
VANCOUVER, WASHINGTON
GROUNDWATER ELEVATION CONTOUR MAP



SOURCE:SECOR DWG 1507.CROWL.05.6

SLR International Corp
1800 Blankenship Road
Suite 440
West Linn, OR 97068
T: 503-723-4423
F: 503-723-4436

DATE 10/07
DWN. EMG
APPR. ____
REVIS. ____
PROJECT NO. 008.0205.00007

FIGURE E-5
FORMER COLUMBIA MARINE LINES FACILITY
6305 LOWER RIVER ROAD
VANCOUVER, WASHINGTON
GROUNDWATER ELEVATION CONTOUR MAP

APPENDIX F

AUGUST 2007 SOIL ANALYTICAL RESULTS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

September 24, 2007

Steve Hammer
SLR-Portland
1800 Blankenship Road Suite 440
West Linn, OR 97068

RE: Crowley

Enclosed are the results of analyses for samples received by the laboratory on 08/25/07 10:00. The following list is a summary of the Work Orders contained in this report, generated on 09/24/07 17:22.

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

Work Order	Project	ProjectNumber
PQH1091	Crowley	008.205.00007

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

SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GPE-1-5	PQH1091-01	Soil	08/24/07 10:30	08/25/07 10:00
GPE-1-11	PQH1091-02	Soil	08/24/07 10:32	08/25/07 10:00
GPE-1-GW	PQH1091-03	Water	08/24/07 10:30	08/25/07 10:00
GPE-2-5	PQH1091-04	Soil	08/24/07 09:34	08/25/07 10:00
GPE-2-11	PQH1091-05	Soil	08/24/07 09:49	08/25/07 10:00
GPE-2-GW	PQH1091-06	Water	08/24/07 09:50	08/25/07 10:00
GPE-3-5	PQH1091-07	Soil	08/24/07 11:47	08/25/07 10:00
GPE-3-10	PQH1091-08	Soil	08/24/07 12:00	08/25/07 10:00
GPE-3-GW	PQH1091-09	Water	08/24/07 11:40	08/25/07 10:00
GPE-4-5	PQH1091-10	Soil	08/24/07 13:03	08/25/07 10:00
GPE-4-11	PQH1091-11	Soil	08/24/07 13:11	08/25/07 10:00
GPE-5-5	PQH1091-12	Soil	08/24/07 12:47	08/25/07 10:00
GPE-5-9	PQH1091-13	Soil	08/24/07 12:50	08/25/07 10:00
GPE-6-7	PQH1091-14	Soil	08/24/07 15:01	08/25/07 10:00
GPE-6-11	PQH1091-15	Soil	08/24/07 15:05	08/25/07 10:00
GPE-7-6	PQH1091-16	Soil	08/24/07 14:15	08/25/07 10:00
GPE-7-10	PQH1091-17	Soil	08/24/07 14:20	08/25/07 10:00
GPE-8-6	PQH1091-18	Soil	08/24/07 15:27	08/25/07 10:00
GPE-8-9	PQH1091-19	Soil	08/24/07 15:30	08/25/07 10:00

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

SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Gasoline Hydrocarbons per NW TPH-Gx Method

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQH1091-01 (GPE-1-5)		**Soil**			**Sampled: 08/24/07 10:30**					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	----	5.73	mg/kg dry	1x	7081533	08/31/07 11:26	09/06/07 11:28	
Surrogate(s): a,a,a-TFT		*84.1%*			*50 - 150 %*	"			"	
PQH1091-02 (GPE-1-11)		**Soil**			**Sampled: 08/24/07 10:32**					
Gasoline Range Hydrocarbons	NW TPH-Gx	**10.2**	----	4.11	mg/kg dry	1x	7081533	08/31/07 11:26	09/01/07 21:30	
Surrogate(s): a,a,a-TFT		*95.1%*			*50 - 150 %*	"			"	
PQH1091-03RE1 (GPE-1-GW)		**Water**			**Sampled: 08/24/07 10:30**					
Gasoline Range Hydrocarbons	NW TPH-Gx	**199**	----	80.0	ug/l	1x	7090070	09/04/07 13:50	09/05/07 19:53	
Surrogate(s): 4-BFB		*101%*			*50 - 150 %*	"			"	
PQH1091-04 (GPE-2-5)		**Soil**			**Sampled: 08/24/07 09:34**					
Gasoline Range Hydrocarbons	NW TPH-Gx	**45.7**	----	4.22	mg/kg dry	1x	7081533	08/31/07 11:26	09/01/07 21:58	
Surrogate(s): a,a,a-TFT		*97.6%*			*50 - 150 %*	"			"	
PQH1091-05 (GPE-2-11)		**Soil**			**Sampled: 08/24/07 09:49**					
Gasoline Range Hydrocarbons	NW TPH-Gx	**6.18**	----	4.32	mg/kg dry	1x	7081533	08/31/07 11:26	09/01/07 22:26	
Surrogate(s): a,a,a-TFT		*98.5%*			*50 - 150 %*	"			"	
PQH1091-06 (GPE-2-GW)		**Water**			**Sampled: 08/24/07 09:50**					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	----	80.0	ug/l	1x	7081445	08/30/07 09:31	08/31/07 14:41	
Surrogate(s): 4-BFB		*82.2%*			*50 - 150 %*	"			"	
PQH1091-07 (GPE-3-5)		**Soil**			**Sampled: 08/24/07 11:47**					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	----	3.94	mg/kg dry	1x	7081533	08/31/07 11:26	09/01/07 22:53	
Surrogate(s): a,a,a-TFT		*96.1%*			*50 - 150 %*	"			"	
PQH1091-08 (GPE-3-10)		**Soil**			**Sampled: 08/24/07 12:00**					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	----	4.17	mg/kg dry	1x	7081533	08/31/07 11:26	09/02/07 00:16	
Surrogate(s): a,a,a-TFT		*98.3%*			*50 - 150 %*	"			"	

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

SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Gasoline Hydrocarbons per NW TPH-Gx Method

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQH1091-09 (GPE-3-GW)			**Water**			**Sampled: 08/24/07 11:40**				
Gasoline Range Hydrocarbons	NW TPH-Gx	**162**	-----	80.0	ug/l	1x	7081445	08/30/07 09:31	08/31/07 15:13	
Surrogate(s): 4-BFB			*80.0%*		*50 - 150 %*	"			"	
PQH1091-10 (GPE-4-5)			**Soil**			**Sampled: 08/24/07 13:03**				
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	-----	4.26	mg/kg dry	1x	7081533	08/31/07 11:26	09/02/07 00:43	
Surrogate(s): a,a,a-TFT			*97.9%*		*50 - 150 %*	"			"	
PQH1091-11 (GPE-4-11)			**Soil**			**Sampled: 08/24/07 13:11**				
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	-----	4.21	mg/kg dry	1x	7090166	09/06/07 13:05	09/07/07 10:10	
Surrogate(s): a,a,a-TFT			*84.8%*		*50 - 150 %*	"			"	
PQH1091-12 (GPE-5-5)			**Soil**			**Sampled: 08/24/07 12:47**				
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	-----	4.09	mg/kg dry	1x	7090166	09/06/07 13:05	09/07/07 11:05	
Surrogate(s): a,a,a-TFT			*89.6%*		*50 - 150 %*	"			"	
PQH1091-13 (GPE-5-9)			**Soil**			**Sampled: 08/24/07 12:50**				
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	-----	4.14	mg/kg dry	1x	7090166	09/06/07 13:05	09/07/07 11:33	
Surrogate(s): a,a,a-TFT			*92.5%*		*50 - 150 %*	"			"	
PQH1091-14 (GPE-6-7)			**Soil**			**Sampled: 08/24/07 15:01**				
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	-----	4.19	mg/kg dry	1x	7081533	08/31/07 11:26	09/02/07 01:11	
Surrogate(s): a,a,a-TFT			*95.7%*		*50 - 150 %*	"			"	
PQH1091-15 (GPE-6-11)			**Soil**			**Sampled: 08/24/07 15:05**				
Gasoline Range Hydrocarbons	NW TPH-Gx	**753**	-----	4.67	mg/kg dry	1x	7081533	08/31/07 11:26	09/02/07 03:29	
Surrogate(s): a,a,a-TFT			*101%*		*50 - 150 %*	"			"	
PQH1091-16 (GPE-7-6)			**Soil**			**Sampled: 08/24/07 14:15**				
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	-----	3.93	mg/kg dry	1x	7081533	08/31/07 11:26	09/06/07 11:56	
Surrogate(s): a,a,a-TFT			*90.8%*		*50 - 150 %*	"			"	

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

SLR-Portland	Project Name:	Crowley	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Gasoline Hydrocarbons per NW TPH-Gx Method

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQH1091-17 (GPE-7-10)		**Soil**			**Sampled: 08/24/07 14:20**					
Gasoline Range Hydrocarbons	NW TPH-Gx	**173**	-----	3.96	mg/kg dry	1x	7081533	08/31/07 11:26	09/02/07 02:34	
Surrogate(s): a,a,a-TFT			*99.0%*		*50 - 150 %*	"			"	
PQH1091-18 (GPE-8-6)		**Soil**			**Sampled: 08/24/07 15:27**					
Gasoline Range Hydrocarbons	NW TPH-Gx	**18.1**	-----	4.14	mg/kg dry	1x	7081533	08/31/07 11:26	09/02/07 04:51	
Surrogate(s): a,a,a-TFT			*95.6%*		*50 - 150 %*	"			"	
PQH1091-19 (GPE-8-9)		**Soil**			**Sampled: 08/24/07 15:30**					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	-----	5.15	mg/kg dry	1x	7081533	08/31/07 11:26	09/06/07 12:23	
Surrogate(s): a,a,a-TFT			*89.3%*		*50 - 150 %*	"			"	

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

SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQH1091-01 (GPE-1-5)		**Soil**			**Sampled: 08/24/07 10:30**					
Diesel Range Organics	NWTPH-Dx	**150**	-----	16.6	mg/kg dry	1x	7081505	08/31/07 13:00	08/31/07 17:58	Q12
Heavy Oil Range Hydrocarbons	"	**234**	-----	33.1	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*76.0%*		*50 - 150 %*	"			"	
PQH1091-02 (GPE-1-11)		**Soil**			**Sampled: 08/24/07 10:32**					
Diesel Range Organics	NWTPH-Dx	**43.1**	-----	16.4	mg/kg dry	1x	7081505	08/31/07 13:00	08/31/07 18:34	
Heavy Oil Range Hydrocarbons	"	ND	-----	32.8	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*77.7%*		*50 - 150 %*	"			"	
PQH1091-03 (GPE-1-GW)		**Water**			**Sampled: 08/24/07 10:30**					
Diesel Range Organics	NWTPH-Dx	**2.83**	-----	0.245	mg/l	1x	7081504	08/31/07 10:30	08/31/07 14:27	Q9
Heavy Oil Range Hydrocarbons	"	**0.714**	-----	0.490	"	"	"	"	"	Q13
Surrogate(s): 1-Chlorooctadecane			*100%*		*50 - 150 %*	"			"	
PQH1091-04 (GPE-2-5)		**Soil**			**Sampled: 08/24/07 09:34**					
Diesel Range Organics	NWTPH-Dx	**1900**	-----	13.4	mg/kg dry	1x	7081505	08/31/07 13:00	09/01/07 02:18	Q9
Heavy Oil Range Hydrocarbons	"	**520**	-----	26.8	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*78.2%*		*50 - 150 %*	"			"	
PQH1091-05 (GPE-2-11)		**Soil**			**Sampled: 08/24/07 09:49**					
Diesel Range Organics	NWTPH-Dx	**34.3**	-----	15.5	mg/kg dry	1x	7081505	08/31/07 13:00	08/31/07 19:10	
Heavy Oil Range Hydrocarbons	"	ND	-----	31.0	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*84.4%*		*50 - 150 %*	"			"	
PQH1091-06 (GPE-2-GW)		**Water**			**Sampled: 08/24/07 09:50**					
Diesel Range Organics	NWTPH-Dx	**1.17**	-----	0.245	mg/l	1x	7081504	08/31/07 10:30	08/31/07 14:45	Q9
Heavy Oil Range Hydrocarbons	"	ND	-----	0.490	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*100%*		*50 - 150 %*	"			"	
PQH1091-07 (GPE-3-5)		**Soil**			**Sampled: 08/24/07 11:47**					
Diesel Range Organics	NWTPH-Dx	**256**	-----	13.2	mg/kg dry	1x	7081505	08/31/07 13:00	08/31/07 19:46	Q12
Heavy Oil Range Hydrocarbons	"	**416**	-----	26.4	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*77.8%*		*50 - 150 %*	"			"	

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
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SLR-Portland	Project Name:	Crowley	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQH1091-08 (GPE-3-10)		**Soil**			**Sampled: 08/24/07 12:00**					
Diesel Range Organics	NWTPH-Dx	ND	----	15.8	mg/kg dry	1x	7081505	08/31/07 13:00	08/31/07 20:22	
Heavy Oil Range Hydrocarbons	"	ND	----	31.7	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane		*87.5%*			*50 - 150 %*	"			"	
PQH1091-09 (GPE-3-GW)		**Water**			**Sampled: 08/24/07 11:40**					
Diesel Range Organics	NWTPH-Dx	**5.59**	----	0.245	mg/l	1x	7081504	08/31/07 10:30	08/31/07 15:04	Q9
Heavy Oil Range Hydrocarbons	"	**1.66**	----	0.490	"	"	"	"	"	Q13
Surrogate(s): 1-Chlorooctadecane		*107%*			*50 - 150 %*	"			"	
PQH1091-10 (GPE-4-5)		**Soil**			**Sampled: 08/24/07 13:03**					
Diesel Range Organics	NWTPH-Dx	**329**	----	69.4	mg/kg dry	5x	7081505	08/31/07 13:00	09/01/07 02:54	Q9
Heavy Oil Range Hydrocarbons	"	**462**	----	139	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane		*72.9%*			*50 - 150 %*	"			"	
PQH1091-11 (GPE-4-11)		**Soil**			**Sampled: 08/24/07 13:11**					
Diesel Range Organics	NWTPH-Dx	**30.7**	----	16.6	mg/kg dry	1x	7081505	08/31/07 13:00	08/31/07 22:09	
Heavy Oil Range Hydrocarbons	"	ND	----	33.2	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane		*84.3%*			*50 - 150 %*	"			"	
PQH1091-12 (GPE-5-5)		**Soil**			**Sampled: 08/24/07 12:47**					
Diesel Range Organics	NWTPH-Dx	**27.2**	----	12.9	mg/kg dry	1x	7081505	08/31/07 13:00	08/31/07 22:44	
Heavy Oil Range Hydrocarbons	"	**57.6**	----	25.7	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane		*54.9%*			*50 - 150 %*	"			"	
PQH1091-13 (GPE-5-9)		**Soil**			**Sampled: 08/24/07 12:50**					
Diesel Range Organics	NWTPH-Dx	**20.1**	----	16.1	mg/kg dry	1x	7081505	08/31/07 13:00	08/31/07 23:20	
Heavy Oil Range Hydrocarbons	"	ND	----	32.1	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane		*88.8%*			*50 - 150 %*	"			"	
PQH1091-14 (GPE-6-7)		**Soil**			**Sampled: 08/24/07 15:01**					
Diesel Range Organics	NWTPH-Dx	**104**	----	71.0	mg/kg dry	5x	7081505	08/31/07 13:00	09/01/07 03:29	Q12
Heavy Oil Range Hydrocarbons	"	**66.1**	----	62.5	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane		*77.6%*			*50 - 150 %*	"			"	

DRAFT REPORT

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
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SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQH1091-15 (GPE-6-11)		**Soil**			**Sampled: 08/24/07 15:05**					
Diesel Range Organics	NWTPH-Dx	**3580**	----	16.8	mg/kg dry	1x	7081505	08/31/07 13:00	08/31/07 23:55	Q9
Heavy Oil Range Hydrocarbons	"	**192**	----	33.6	"	"	"	"	"	Q10
Surrogate(s): 1-Chlorooctadecane			*84.9%*		*50 - 150 %*	"			"	
PQH1091-16 (GPE-7-6)		**Soil**			**Sampled: 08/24/07 14:15**					
Diesel Range Organics	NWTPH-Dx	**141**	-----	25.7	mg/kg dry	2x	7081505	08/31/07 13:00	09/01/07 05:16	Q12
Heavy Oil Range Hydrocarbons	"	**81.4**	-----	51.3	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*76.3%*		*50 - 150 %*	"			"	
PQH1091-17 (GPE-7-10)		**Soil**			**Sampled: 08/24/07 14:20**					
Diesel Range Organics	NWTPH-Dx	**9020**	-----	334	mg/kg dry	20x	7081505	08/31/07 13:00	09/04/07 12:43	Q9
Heavy Oil Range Hydrocarbons	"	ND	-----	668	"	"	"	"	"	RL7
Surrogate(s): 1-Chlorooctadecane			*NR*		*50 - 150 %*	"			"	*Z3*
PQH1091-18 (GPE-8-6)		**Soil**			**Sampled: 08/24/07 15:27**					
Diesel Range Organics	NWTPH-Dx	**7080**	----	318	mg/kg dry	20x	7081505	08/31/07 13:00	09/04/07 13:01	Q9
Heavy Oil Range Hydrocarbons	"	ND	-----	637	"	"	"	"	"	RL7
Surrogate(s): 1-Chlorooctadecane			*NR*		*50 - 150 %*	"			"	*Z3*
PQH1091-19 (GPE-8-9)		**Soil**			**Sampled: 08/24/07 15:30**					
Diesel Range Organics	NWTPH-Dx	ND	----	16.5	mg/kg dry	1x	7081505	08/31/07 13:00	09/01/07 01:42	
Heavy Oil Range Hydrocarbons	"	ND	----	33.1	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*86.9%*		*50 - 150 %*	"			"	

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SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Extractable Petroleum Hydrocarbons per Washington DOE

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQH1091-02 (GPE-1-11)		**Soil**			**Sampled: 08/24/07 10:32**					
C8-C10 Aromatics	WDOE EPH	ND	-----	6.34	mg/kg dry	1x	7090284	09/07/07 17:10	09/15/07 13:14	
C10-C12 Aromatics	"	ND	-----	6.34	"	"	"	"	"	
C12-C16 Aromatics	"	ND	-----	6.34	"	"	"	"	"	
C16-C21 Aromatics	"	**10.2**	-----	6.34	"	"	"	"	"	
C21-C34 Aromatics	"	ND	-----	6.34	"	"	"	"	"	
C8-C10 Aliphatics	"	ND	-----	6.34	"	"	"	"	"	
C10-C12 Aliphatics	"	ND	-----	6.34	"	"	"	"	"	
C12-C16 Aliphatics	"	**16.1**	-----	6.34	"	"	"	"	"	
C16-C21 Aliphatics	"	**17.2**	-----	6.34	"	"	"	"	"	
C21-C34 Aliphatics	"	**9.52**	-----	6.34	"	"	"	"	"	
Total EPH (Calc.)	"	ND	-----	63.4	"	"	[CALC]	"	"	
Surrogate(s): o-Terphenyl			*69.6%*		*60 - 140 %*	"			"	
Squalane			*76.2%*		*60 - 140 %*	"			"	
PQH1091-05 (GPE-2-11)		**Soil**			**Sampled: 08/24/07 09:49**					
C8-C10 Aromatics	WDOE EPH	ND	-----	6.15	mg/kg dry	1x	7090284	09/07/07 17:10	09/15/07 13:45	
C10-C12 Aromatics	"	ND	-----	6.15	"	"	"	"	"	
C12-C16 Aromatics	"	ND	-----	6.15	"	"	"	"	"	
C16-C21 Aromatics	"	ND	-----	6.15	"	"	"	"	"	
C21-C34 Aromatics	"	ND	-----	6.15	"	"	"	"	"	
C8-C10 Aliphatics	"	ND	-----	6.15	"	"	"	"	"	
C10-C12 Aliphatics	"	ND	-----	6.15	"	"	"	"	"	
C12-C16 Aliphatics	"	ND	-----	6.15	"	"	"	"	"	
C16-C21 Aliphatics	"	**8.57**	-----	6.15	"	"	"	"	"	
C21-C34 Aliphatics	"	ND	-----	6.15	"	"	"	"	"	
Total EPH (Calc.)	"	ND	-----	61.5	"	"	[CALC]	"	"	
Surrogate(s): o-Terphenyl			*69.9%*		*60 - 140 %*	"			"	
Squalane			*100%*		*60 - 140 %*	"			"	
PQH1091-11 (GPE-4-11)		**Soil**			**Sampled: 08/24/07 13:11**					
C8-C10 Aromatics	WDOE EPH	ND	-----	6.44	mg/kg dry	1x	7090284	09/07/07 17:10	09/15/07 14:15	
C10-C12 Aromatics	"	ND	-----	6.44	"	"	"	"	"	
C12-C16 Aromatics	"	ND	-----	6.44	"	"	"	"	"	
C16-C21 Aromatics	"	**6.46**	-----	6.44	"	"	"	"	"	
C21-C34 Aromatics	"	ND	-----	6.44	"	"	"	"	"	
C8-C10 Aliphatics	"	ND	-----	6.44	"	"	"	"	"	
C10-C12 Aliphatics	"	ND	-----	6.44	"	"	"	"	"	
C12-C16 Aliphatics	"	**9.64**	-----	6.44	"	"	"	"	"	
C16-C21 Aliphatics	"	**9.35**	-----	6.44	"	"	"	"	"	
C21-C34 Aliphatics	"	**7.98**	-----	6.44	"	"	"	"	"	

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SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Extractable Petroleum Hydrocarbons per Washington DOE

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQH1091-11 (GPE-4-11)		**Soil**			**Sampled: 08/24/07 13:11**					
Total EPH (Calc.)	WDOE EPH	ND	----	64.4	mg/kg dry	1x	[CALC]	09/07/07 17:10	09/15/07 14:15	
Surrogate(s): o-Terphenyl			*64.5%*		*60 - 140 %*	"			"	
Squalane			*91.5%*		*60 - 140 %*	"			"	
PQH1091-15 (GPE-6-11)		**Soil**			**Sampled: 08/24/07 15:05**					
C8-C10 Aromatics	WDOE EPH	ND	-----	6.80	mg/kg dry	1x	7090284	09/07/07 17:10	09/15/07 14:46	
C10-C12 Aromatics	"	**19.0**	----	6.80	"	"	"	"	"	
C12-C16 Aromatics	"	**151**	----	6.80	"	"	"	"	"	
C16-C21 Aromatics	"	**331**	-----	6.80	"	"	"	"	"	
C21-C34 Aromatics	"	**70.2**	-----	6.80	"	"	"	"	"	
C8-C10 Aliphatics	"	**38.4**	-----	34.0	"	5x	"	"	09/19/07 13:21	
C10-C12 Aliphatics	"	**347**	-----	34.0	"	"	"	"	"	
C12-C16 Aliphatics	"	**1350**	----	34.0	"	"	"	"	"	
C16-C21 Aliphatics	"	**971**	----	34.0	"	"	"	"	"	
C21-C34 Aliphatics	"	**165**	-----	34.0	"	"	"	"	"	
Total EPH (Calc.)	"	**3440**	-----	204	"	"	[CALC]	"	"	
Surrogate(s): o-Terphenyl			*98.6%*		*60 - 140 %*	*1x*			*09/15/07 14:46*	
Squalane			*94.7%*		*60 - 140 %*	*5x*			*09/19/07 13:21*	
PQH1091-17 (GPE-7-10)		**Soil**			**Sampled: 08/24/07 14:20**					
C8-C10 Aromatics	WDOE EPH	ND	-----	13.3	mg/kg dry	2x	7090284	09/07/07 17:10	09/19/07 13:51	RL7
C10-C12 Aromatics	"	**42.8**	----	13.3	"	"	"	"	"	
C12-C16 Aromatics	"	**301**	-----	13.3	"	"	"	"	"	
C16-C21 Aromatics	"	**561**	-----	13.3	"	"	"	"	"	
C21-C34 Aromatics	"	**112**	-----	13.3	"	"	"	"	"	
C8-C10 Aliphatics	"	**121**	-----	66.7	"	10x	"	"	"	
C10-C12 Aliphatics	"	**753**	----	66.7	"	"	"	"	"	
C12-C16 Aliphatics	"	**2560**	----	66.7	"	"	"	"	"	
C16-C21 Aliphatics	"	**1610**	----	66.7	"	"	"	"	"	
C21-C34 Aliphatics	"	**224**	-----	66.7	"	"	"	"	"	
Total EPH (Calc.)	"	**6290**	-----	400	"	"	[CALC]	"	"	
Surrogate(s): o-Terphenyl			*77.0%*		*60 - 140 %*	*2x*			"	
Squalane			*91.1%*		*60 - 140 %*	*10x*			"	

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SLR-Portland	Project Name:	Crowley	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Semivolatile Organic Compounds per EPA Method 8270C

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQH1091-02 (GPE-1-11)		**Soil**			**Sampled: 08/24/07 10:32**					
1-Methylnaphthalene	EPA 8270C	ND	-----	0.421	mg/kg dry	1x	7081433	08/30/07 11:30	09/08/07 20:48	
Acenaphthene	"	ND	-----	0.421	"	"	"	"	09/04/07 23:54	
Acenaphthylene	"	ND	-----	0.421	"	"	"	"	"	
Anthracene	"	ND	-----	0.421	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	0.421	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	0.421	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	0.421	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	0.421	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	0.421	"	"	"	"	"	
Benzoic Acid	"	ND	-----	1.28	"	"	"	"	"	
Benzyl alcohol	"	ND	-----	1.28	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	-----	0.421	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	-----	0.421	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	-----	0.421	"	"	"	"	"	
4-Chloroaniline	"	ND	-----	2.55	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	-----	0.421	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	-----	0.421	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	0.421	"	"	"	"	"	
2-Chloronaphthalene	"	ND	-----	0.421	"	"	"	"	"	
2-Chlorophenol	"	ND	-----	0.421	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	-----	0.421	"	"	"	"	"	
Chrysene	"	ND	-----	0.421	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	-----	1.28	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	-----	0.421	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	-----	0.421	"	"	"	"	"	
Dibenzofuran	"	ND	-----	0.421	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	1.28	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	1.28	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	1.28	"	"	"	"	"	
3,3'-Dichlorobenzidine	"	ND	-----	1.28	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	-----	0.421	"	"	"	"	"	
Diethyl phthalate	"	ND	-----	0.421	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	-----	1.28	"	"	"	"	"	
Dimethyl phthalate	"	ND	-----	0.421	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	1.28	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	-----	2.55	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	-----	0.639	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	-----	0.639	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	2.55	"	"	"	"	"	
Fluoranthene	"	ND	-----	0.421	"	"	"	"	"	
Fluorene	"	ND	-----	0.421	"	"	"	"	"	
Hexachlorobenzene	"	ND	-----	0.421	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	1.28	"	"	"	"	"	

DRAFT REPORT

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

SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Semivolatile Organic Compounds per EPA Method 8270C

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQH1091-02 (GPE-1-11)		**Soil**			**Sampled: 08/24/07 10:32**					
Hexachlorocyclopentadiene	EPA 8270C	ND	——	1.28	mg/kg dry	1x	7081433	08/30/07 11:30	09/04/07 23:54	
Hexachloroethane	"	ND	-----	1.28	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	0.421	"	"	"	"	"	
Isophorone	"	ND	-----	0.421	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	0.421	"	"	"	"	"	
2-Methylphenol	"	ND	-----	0.421	"	"	"	"	"	
3-,4-Methylphenol	"	ND	——	0.421	"	"	"	"	"	
Naphthalene	"	ND	——	0.421	"	"	"	"	"	
2-Nitroaniline	"	ND	-----	0.421	"	"	"	"	"	
3-Nitroaniline	"	ND	——	1.28	"	"	"	"	"	
4-Nitroaniline	"	ND	——	0.421	"	"	"	"	"	
Nitrobenzene	"	ND	-----	0.421	"	"	"	"	"	
2-Nitrophenol	"	ND	-----	0.421	"	"	"	"	"	
4-Nitrophenol	"	ND	-----	1.28	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	-----	0.421	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	-----	0.421	"	"	"	"	"	
Pentachlorophenol	"	ND	——	1.28	"	"	"	"	"	
Phenanthrene	"	ND	——	0.421	"	"	"	"	"	
Phenol	"	ND	-----	0.421	"	"	"	"	"	
Pyrene	"	ND	-----	0.421	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	1.28	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	——	0.421	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	——	0.421	"	"	"	"	"	
Surrogate(s): *2-Fluorobiphenyl*			*95.0%*		*33 - 126 %*	"			"	
2-Fluorophenol			*64.0%*		*20 - 127 %*	"			"	
Nitrobenzene-d5			*79.9%*		*25 - 131 %*	"			"	
Phenol-d6			*84.2%*		*13 - 138 %*	"			"	
p-Terphenyl-d14			*90.9%*		*38 - 142 %*	"			"	
2,4,6-Tribromophenol			*79.7%*		*46 - 124 %*	"			"	

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1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Semivolatile Organic Compounds per EPA Method 8270C

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQH1091-03 (GPE-1-GW)		**Water**			**Sampled: 08/24/07 10:30**					
1-Methylnaphthalene	EPA 8270C	**9.22**	-----	4.81	ug/l	1x	7081372	08/29/07 17:25	09/08/07 15:49	
Acenaphthene	"	ND	-----	4.81	"	"	"	"	"	
Acenaphthylene	"	ND	-----	4.81	"	"	"	"	"	
Anthracene	"	ND	-----	4.81	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	4.81	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	4.81	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	4.81	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	4.81	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	4.81	"	"	"	"	"	
Benzoic Acid	"	ND	-----	48.1	"	"	"	"	"	
Benzyl alcohol	"	ND	-----	9.62	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	-----	4.81	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	-----	4.81	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	-----	4.81	"	"	"	"	"	
4-Chloroaniline	"	ND	-----	19.2	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	-----	9.62	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	-----	4.81	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	9.62	"	"	"	"	"	
2-Chloronaphthalene	"	ND	-----	4.81	"	"	"	"	"	
2-Chlorophenol	"	ND	-----	4.81	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	-----	4.81	"	"	"	"	"	
Chrysene	"	ND	-----	4.81	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	-----	4.81	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	-----	4.81	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	-----	4.81	"	"	"	"	"	
Dibenzofuran	"	ND	-----	4.81	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	4.81	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	4.81	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	4.81	"	"	"	"	"	
3,3'-Dichlorobenzidine	"	ND	-----	4.81	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	-----	4.81	"	"	"	"	"	
Diethyl phthalate	"	ND	-----	4.81	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	-----	9.62	"	"	"	"	"	
Dimethyl phthalate	"	ND	-----	4.81	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	9.62	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	-----	24.0	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	-----	4.81	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	-----	4.81	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	9.62	"	"	"	"	"	
Fluoranthene	"	ND	-----	4.81	"	"	"	"	"	
Fluorene	"	ND	-----	4.81	"	"	"	"	"	
Hexachlorobenzene	"	ND	-----	4.81	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	9.62	"	"	"	"	"	

DRAFT REPORT

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SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Semivolatile Organic Compounds per EPA Method 8270C

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQH1091-03 (GPE-1-GW)		**Water**			**Sampled: 08/24/07 10:30**					
Hexachlorocyclopentadiene	EPA 8270C	ND	-----	9.62	ug/l	1x	7081372	08/29/07 17:25	09/08/07 15:49	
Hexachloroethane	"	ND	-----	9.62	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	4.81	"	"	"	"	"	
Isophorone	"	ND	-----	4.81	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	4.81	"	"	"	"	"	
2-Methylphenol	"	ND	-----	9.62	"	"	"	"	"	
3-,4-Methylphenol	"	ND	-----	4.81	"	"	"	"	"	
Naphthalene	"	ND	-----	4.81	"	"	"	"	"	
2-Nitroaniline	"	ND	-----	4.81	"	"	"	"	"	
3-Nitroaniline	"	ND	-----	9.62	"	"	"	"	"	
4-Nitroaniline	"	ND	-----	9.62	"	"	"	"	"	
Nitrobenzene	"	ND	-----	4.81	"	"	"	"	"	
2-Nitrophenol	"	ND	-----	4.81	"	"	"	"	"	
4-Nitrophenol	"	ND	-----	24.0	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	-----	9.62	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	-----	4.81	"	"	"	"	"	
Pentachlorophenol	"	ND	-----	9.62	"	"	"	"	"	
Phenanthrene	"	ND	-----	4.81	"	"	"	"	"	
Phenol	"	ND	-----	4.81	"	"	"	"	"	
Pyrene	"	ND	-----	4.81	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.81	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	-----	4.81	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	-----	4.81	"	"	"	"	"	
Surrogate(s): *2-Fluorobiphenyl*			*76.7%*		*22 - 120 %*	"			"	
2-Fluorophenol			*68.5%*		*5 - 120 %*	"			"	
Nitrobenzene-d5			*86.8%*		*26 - 127 %*	"			"	
Phenol-d6			*80.7%*		*4 - 121 %*	"			"	
p-Terphenyl-d14			*63.0%*		*37 - 130 %*	"			"	
2,4,6-Tribromophenol			*64.0%*		*21 - 129 %*	"			"	

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1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Semivolatile Organic Compounds per EPA Method 8270C

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQH1091-05 (GPE-2-11)		**Soil**			**Sampled: 08/24/07 09:49**					
1-Methylnaphthalene	EPA 8270C	ND	----	0.398	mg/kg dry	1x	7081433	08/30/07 11:30	09/08/07 19:23	
Acenaphthene	"	ND	----	0.398	"	"	"	"	09/05/07 00:36	
Acenaphthylene	"	ND	----	0.398	"	"	"	"	"	
Anthracene	"	ND	----	0.398	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.398	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.398	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.398	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.398	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.398	"	"	"	"	"	
Benzoic Acid	"	ND	----	1.21	"	"	"	"	"	
Benzyl alcohol	"	ND	----	1.21	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	----	0.398	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	----	0.398	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	----	0.398	"	"	"	"	"	
4-Chloroaniline	"	ND	----	2.41	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	----	0.398	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	----	0.398	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	----	0.398	"	"	"	"	"	
2-Chloronaphthalene	"	ND	----	0.398	"	"	"	"	"	
2-Chlorophenol	"	ND	----	0.398	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	----	0.398	"	"	"	"	"	
Chrysene	"	ND	----	0.398	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	----	1.21	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	----	0.398	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	----	0.398	"	"	"	"	"	
Dibenzofuran	"	ND	----	0.398	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	----	1.21	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	1.21	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	1.21	"	"	"	"	"	
3,3'-Dichlorobenzidine	"	ND	----	1.21	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	----	0.398	"	"	"	"	"	
Diethyl phthalate	"	ND	----	0.398	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	----	1.21	"	"	"	"	"	
Dimethyl phthalate	"	ND	----	0.398	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	----	1.21	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	----	2.41	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	----	0.603	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	----	0.603	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	----	2.41	"	"	"	"	"	
Fluoranthene	"	ND	----	0.398	"	"	"	"	"	
Fluorene	"	ND	----	0.398	"	"	"	"	"	
Hexachlorobenzene	"	ND	----	0.398	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	1.21	"	"	"	"	"	

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1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Semivolatile Organic Compounds per EPA Method 8270C

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQH1091-05 (GPE-2-11)		**Soil**			**Sampled: 08/24/07 09:49**					
Hexachlorocyclopentadiene	EPA 8270C	ND	----	1.21	mg/kg dry	1x	7081433	08/30/07 11:30	09/05/07 00:36	
Hexachloroethane	"	ND	----	1.21	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.398	"	"	"	"	"	
Isophorone	"	ND	----	0.398	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.398	"	"	"	"	"	
2-Methylphenol	"	ND	----	0.398	"	"	"	"	"	
3-,4-Methylphenol	"	ND	----	0.398	"	"	"	"	"	
Naphthalene	"	ND	----	0.398	"	"	"	"	"	
2-Nitroaniline	"	ND	----	0.398	"	"	"	"	"	
3-Nitroaniline	"	ND	----	1.21	"	"	"	"	"	
4-Nitroaniline	"	ND	----	0.398	"	"	"	"	"	
Nitrobenzene	"	ND	----	0.398	"	"	"	"	"	
2-Nitrophenol	"	ND	----	0.398	"	"	"	"	"	
4-Nitrophenol	"	ND	----	1.21	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	----	0.398	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	----	0.398	"	"	"	"	"	
Pentachlorophenol	"	ND	----	1.21	"	"	"	"	"	
Phenanthrene	"	ND	----	0.398	"	"	"	"	"	
Phenol	"	ND	----	0.398	"	"	"	"	"	
Pyrene	"	ND	----	0.398	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	1.21	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	----	0.398	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	----	0.398	"	"	"	"	"	
Surrogate(s): *2-Fluorobiphenyl*			*101%*		*33 - 126 %*	"			"	
2-Fluorophenol			*66.7%*		*20 - 127 %*	"			"	
Nitrobenzene-d5			*80.0%*		*25 - 131 %*	"			"	
Phenol-d6			*83.9%*		*13 - 138 %*	"			"	
p-Terphenyl-d14			*90.2%*		*38 - 142 %*	"			"	
2,4,6-Tribromophenol			*72.8%*		*46 - 124 %*	"			"	

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1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Semivolatile Organic Compounds per EPA Method 8270C

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQH1091-06 (GPE-2-GW)		**Water**			**Sampled: 08/24/07 09:50**					
1-Methylnaphthalene	EPA 8270C	ND	----	4.76	ug/l	1x	7081372	08/29/07 17:25	09/08/07 15:05	
Acenaphthene	"	ND	----	4.76	"	"	"	"	"	
Acenaphthylene	"	ND	----	4.76	"	"	"	"	"	
Anthracene	"	ND	----	4.76	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	4.76	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	4.76	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	4.76	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	4.76	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	4.76	"	"	"	"	"	
Benzoic Acid	"	ND	-----	47.6	"	"	"	"	"	
Benzyl alcohol	"	ND	-----	9.52	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	-----	4.76	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	-----	4.76	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	-----	4.76	"	"	"	"	"	
4-Chloroaniline	"	ND	-----	19.0	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	-----	9.52	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	----	4.76	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	9.52	"	"	"	"	"	
2-Chloronaphthalene	"	ND	-----	4.76	"	"	"	"	"	
2-Chlorophenol	"	ND	----	4.76	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	----	4.76	"	"	"	"	"	
Chrysene	"	ND	-----	4.76	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	----	4.76	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	----	4.76	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	-----	4.76	"	"	"	"	"	
Dibenzofuran	"	ND	----	4.76	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	4.76	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	4.76	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	4.76	"	"	"	"	"	
3,3'-Dichlorobenzidine	"	ND	-----	4.76	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	----	4.76	"	"	"	"	"	
Diethyl phthalate	"	ND	-----	4.76	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	-----	9.52	"	"	"	"	"	
Dimethyl phthalate	"	ND	-----	4.76	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	9.52	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	-----	23.8	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	-----	4.76	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	----	4.76	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	----	9.52	"	"	"	"	"	
Fluoranthene	"	ND	-----	4.76	"	"	"	"	"	
Fluorene	"	ND	----	4.76	"	"	"	"	"	
Hexachlorobenzene	"	ND	----	4.76	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	9.52	"	"	"	"	"	

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
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SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	09/24/07 17:22

DRAFT: Semivolatile Organic Compounds per EPA Method 8270C

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQH1091-06 (GPE-2-GW)		**Water**			**Sampled: 08/24/07 09:50**					
Hexachlorocyclopentadiene	EPA 8270C	ND	-----	9.52	ug/l	1x	7081372	08/29/07 17:25	09/08/07 15:05	
Hexachloroethane	"	ND	-----	9.52	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	4.76	"	"	"	"	"	
Isophorone	"	ND	-----	4.76	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	4.76	"	"	"	"	"	
2-Methylphenol	"	ND	-----	9.52	"	"	"	"	"	
3-,4-Methylphenol	"	ND	-----	4.76	"	"	"	"	"	
Naphthalene	"	ND	-----	4.76	"	"	"	"	"	
2-Nitroaniline	"	ND	-----	4.76	"	"	"	"	"	
3-Nitroaniline	"	ND	-----	9.52	"	"	"	"	"	
4-Nitroaniline	"	ND	-----	9.52	"	"	"	"	"	
Nitrobenzene	"	ND	-----	4.76	"	"	"	"	"	
2-Nitrophenol	"	ND	-----	4.76	"	"	"	"	"	
4-Nitrophenol	"	ND	-----	23.8	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	-----	9.52	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	-----	4.76	"	"	"	"	"	
Pentachlorophenol	"	ND	-----	9.52	"	"	"	"	"	
Phenanthrene	"	ND	-----	4.76	"	"	"	"	"	
Phenol	"	ND	-----	4.76	"	"	"	"	"	
Pyrene	"	ND	-----	4.76	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.76	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	-----	4.76	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	-----	4.76	"	"	"	"	"	
Surrogate(s): *2-Fluorobiphenyl*			*82.9%*		*22 - 120 %*	"			"	
2-Fluorophenol			*68.8%*		*5 - 120 %*	"			"	
Nitrobenzene-d5			*85.9%*		*26 - 127 %*	"			"	
Phenol-d6			*80.0%*		*4 - 121 %*	"			"	
p-Terphenyl-d14			*65.7%*		*37 - 130 %*	"			"	
2,4,6-Tribromophenol			*72.1%*		*21 - 129 %*	"			"	

The results provided in this report have not been approved for final release by the Laboratory, and are provided in DRAFT format at the request of the client. Reported results may not have been fully reviewed, and are subject to change.

APPENDIX G

AUGUST 2007 GROUNDWATER ANALYTICAL RESULTS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

October 03, 2007

Steve Hammer
SLR-Portland
1800 Blankenship Road Suite 440
West Linn, OR 97068

RE: Crowley

Enclosed are the results of analyses for samples received by the laboratory on 09/17/07 08:42. The following list is a summary of the Work Orders contained in this report, generated on 10/03/07 16:02.

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

Work Order	Project	ProjectNumber
PQI0523	Crowley	008.0205.00007

Sarah Rockwell

Sarah Rockwell For Christina Woodcock, Project Manager

TestAmerica
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BEAVERTON, OR 97008-7132
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SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.0205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	10/03/07 16:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-13	PQI0523-01	Water	09/13/07 17:10	09/17/07 08:42

Sarah Rockwell

Sarah Rockwell For Christina Woodcock, Project Manager

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

SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.0205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	10/03/07 16:02

Gasoline Hydrocarbons per NW TPH-Gx Method

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQI0523-01 (MW-13)		**Water**			**Sampled: 09/13/07 17:10**					
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	—	80.0	ug/l	1x	7090890	09/21/07 09:36	09/22/07 12:39	
Surrogate(s): 4-BFB			*97.5%*		*50 - 150 %*	"			"	

Sarah Rockwell For Christina Woodcock, Project Manager

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SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.0205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	10/03/07 16:02

Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQI0523-01 (MW-13)		**Water**			**Sampled: 09/13/07 17:10**					
Diesel Range Organics	NWTPH-Dx	**0.476**	——	0.243	mg/l	1x	7090846	09/21/07 10:15	09/21/07 15:37	**Q12**
Heavy Oil Range Hydrocarbons	"	ND	——	0.485	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane		*77.2%*			*50 - 150 %*	"			"	

Sarah Rockwell For Christina Woodcock, Project Manager

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SLR-Portland	Project Name:	Crowley	
1800 Blankenship Road Suite 440	Project Number:	008.0205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	10/03/07 16:02

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

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQI0523-01 (MW-13)		**Water**			**Sampled: 09/13/07 17:10**					
Diesel Range Organics	NWTPH-Dx	ND	-----	0.243	mg/l	1x	7090846	09/21/07 10:15	09/25/07 17:35	
Heavy Oil Range Hydrocarbons	"	ND	-----	0.485	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane			*91.7%*		*50 - 150 %*	"			"	

Sarah Rockwell

Sarah Rockwell For Christina Woodcock, Project Manager

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SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.0205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	10/03/07 16:02

BTEX Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PQI0523-01 (MW-13)		**Water**			**Sampled: 09/13/07 17:10**					
Benzene	EPA 8260B	ND	----	0.500	ug/l	1x	7091079	09/26/07 16:30	09/26/07 18:11	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): *4-BFB*			*99.9%*		*80 - 120 %*	"			"	
1,2-DCA-d4			*112%*		*80 - 120 %*	"			"	
Dibromofluoromethane			*110%*		*80 - 120 %*	"			"	
Toluene-d8			*113%*		*80 - 120 %*	"			"	

Sarah Rockwell For Christina Woodcock, Project Manager

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SLR-Portland	Project Name:	Crowley	
1800 Blankenship Road Suite 440	Project Number:	008.0205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	10/03/07 16:02

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

TestAmerica - Portland, OR

QC Batch: 7090890 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7090890-BLK1)								Extracted: 09/21/07 09:36						
Gasoline Range Hydrocarbons	NW TPH-Gx	ND	---	80.0	ug/l	1x	--	--	--	--	--	--	09/21/07 18:55	
Surrogate(s): 4-BFB		*Recovery: 116%*			*Limits: 50-150%*	"							*09/21/07 18:55*	
LCS (7090890-BS2)								Extracted: 09/21/07 09:36						
Gasoline Range Hydrocarbons	NW TPH-Gx	435	---	80.0	ug/l	1x	--	500	86.9%	(70-130)	--	--	09/21/07 17:41	
Surrogate(s): 4-BFB		*Recovery: 117%*			*Limits: 50-150%*	"							*09/21/07 17:41*	
LCS Dup (7090890-BSD2)								Extracted: 09/21/07 09:36						
Gasoline Range Hydrocarbons	NW TPH-Gx	434	---	80.0	ug/l	1x	--	500	86.8%	(70-130)	0.187%	(35)	09/21/07 18:13	
Surrogate(s): 4-BFB		*Recovery: 120%*			*Limits: 50-150%*	"							*09/21/07 18:13*	
Duplicate (7090890-DUP1)						QC Source: PQI0405-01		Extracted: 09/21/07 09:36						
Gasoline Range Hydrocarbons	NW TPH-Gx	727	---	80.0	ug/l	1x	718	--	--	--	1.16%	(35)	09/22/07 01:49	
Surrogate(s): 4-BFB		*Recovery: 114%*			*Limits: 50-150%*	"							*09/22/07 01:49*	
Duplicate (7090890-DUP2)						QC Source: PQI0467-01		Extracted: 09/21/07 09:36						
Gasoline Range Hydrocarbons	NW TPH-Gx	1240	---	80.0	ug/l	1x	1250	--	--	--	0.989%	(35)	09/22/07 09:52	
Surrogate(s): 4-BFB		*Recovery: 105%*			*Limits: 50-150%*	"							*09/22/07 09:52*	

Sarah Rockwell For Christina Woodcock, Project Manager

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SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.0205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	10/03/07 16:02

Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 7090846 **Water Preparation Method: EPA 3520/600 Series**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7090846-BLK1)									Extracted: 09/21/07 10:15					
Diesel Range Organics	NWTPH-Dx	ND	---	0.250	mg/l	1x	--	--	--	--	--	--	09/21/07 12:55	
Heavy Oil Range Hydrocarbons	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 83.7%*			*Limits: 50-150%*	"							*09/21/07 12:55*	
LCS (7090846-BS1)									Extracted: 09/21/07 10:15					
Diesel Range Organics	NWTPH-Dx	2.23	---	0.250	mg/l	1x	--	2.54	87.6%	(50-150)	--	--	09/21/07 13:16	
Heavy Oil Range Hydrocarbons	"	1.26	---	0.500	"	"	--	1.55	81.6%	"	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 80.4%*			*Limits: 50-150%*	"							*09/21/07 13:16*	
LCS Dup (7090846-BSD1)									Extracted: 09/21/07 10:15					
Diesel Range Organics	NWTPH-Dx	2.34	---	0.250	mg/l	1x	--	2.54	92.1%	(50-150)	5.00%	(50)	09/21/07 13:36	
Heavy Oil Range Hydrocarbons	"	1.34	---	0.500	"	"	--	1.55	86.2%	"	5.50%	"	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 86.2%*			*Limits: 50-150%*	"							*09/21/07 13:36*	

Sarah Rockwell For Christina Woodcock, Project Manager

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SLR-Portland	Project Name:	**Crowley**	
1800 Blankenship Road Suite 440	Project Number:	008.0205.00007	Report Created:
West Linn, OR 97068	Project Manager:	Steve Hammer	10/03/07 16:02

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

TestAmerica - Portland, OR

QC Batch: 7090846 **Water Preparation Method: EPA 3520/600 Series**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7090846-BLK1)								Extracted: 09/21/07 10:15						
Diesel Range Organics	NWTPH-Dx	ND	---	0.250	mg/l	1x	--	--	--	--	--	--	09/25/07 15:16	
Heavy Oil Range Hydrocarbons	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 81.6%*			*Limits: 50-150%*	"							*09/25/07 15:16*	
LCS (7090846-BS1)								Extracted: 09/21/07 10:15						
Diesel Range Organics	NWTPH-Dx	2.61	---	0.250	mg/l	1x	--	2.54	103%	(50-150)	--	--	09/25/07 15:43	
Heavy Oil Range Hydrocarbons	"	1.66	---	0.500	"	"	--	1.55	107%	"	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 85.5%*			*Limits: 50-150%*	"							*09/25/07 15:43*	
LCS Dup (7090846-BSD1)								Extracted: 09/21/07 10:15						
Diesel Range Organics	NWTPH-Dx	2.69	---	0.250	mg/l	1x	--	2.54	106%	(50-150)	2.92%	(50)	09/25/07 17:07	
Heavy Oil Range Hydrocarbons	"	1.56	---	0.500	"	"	--	1.55	101%	"	6.08%	"	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 105%*			*Limits: 50-150%*	"							*09/25/07 17:07*	

Sarah Rockwell For Christina Woodcock, Project Manager