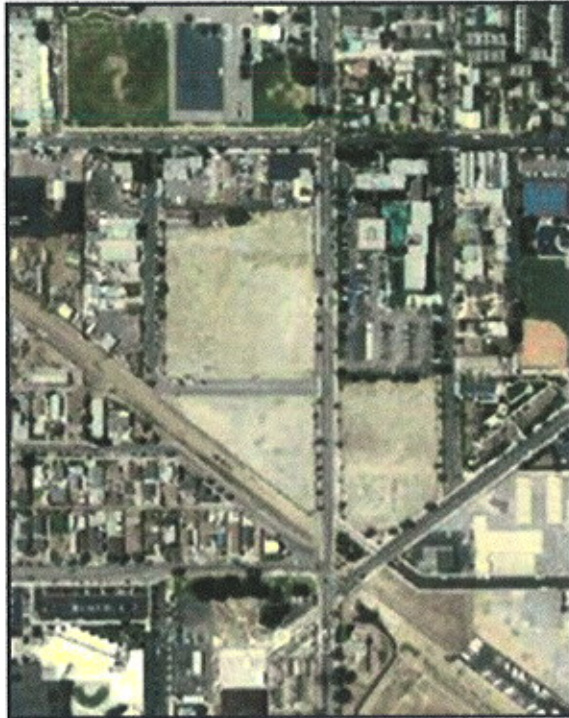


**REPORT ON PHASE III
ADDITIONAL SITE CHARACTERIZATION
June 2011
FORMER CHEMOIL REFINERY
SLIC No. 453A
SIGNAL HILL, CALIFORNIA**



**VOLUME III
Exhibits 5 through 6**

Prepared for:

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TEC EARTH SCIENCES AND
ENVIRONMENTAL SPECIALISTS

REPORT ON PHASE III ADDITIONAL SITE CHARACTERIZATION
JUNE 2011
FORMER CHEMOIL REFINERY
SIGNAL HILL, CALIFORNIA

TABLE OF CONTENTS

Volume III

Exhibits

- 5 Groundwater Gauging Data
 - Part I – Tabulation of Gauging Data
 - Part II – Annotated Hydrographs
- 6 Groundwater Quality Data
 - Part I – Groundwater Sampling Protocol
 - Part II – Graphs Illustrating Dissolved Hydrocarbons Fluctuation with Time
 - Part III – Laboratory Reports for Groundwater

EXHIBIT 5

GROUNDWATER GAUGING DATA

EXHIBIT 5 – PART I

TABULATION OF GAUGING DATA

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
KW-1	11/4/85	4	24.14	-7.87	62	NA(c)	27.64	-5.76	ND(c)	NA	27.64	-5.76
	6/2/86						27.02	-5.14			27.02	-5.14
	12/2/86						26.83	-4.95			26.83	-4.95
	2/12/87						NA	NA			NA	NA
	6/11/87						26.25	-4.37			26.25	-4.37
	9/24/87						26.5	-4.62			26.5	-4.62
	4/12/88						26.5	-4.62			26.5	-4.62
	9/22/88						26.16	-4.3			26.16	-4.3
	3/30/89						29.34	-7.46			29.34	-7.46
	9/26/89						26.02	-4.14			26.02	-4.14
	4/2/90						NM(d)	NM			NM	NM
	9/9/90						NM	NM			NM	NM
	12/17/90						24.46	-0.33			24.46	-0.33
	5/29/91						26.36	-1.22			26.36	-1.22
	8/28/91						25.45	-1.31			25.45	-1.31
	12/6/91						25.6	-1.46			25.6	-1.46
	1/30/92						25.43	-1.29			NA	NA
	3/5/92		24.13				25.72	-1.59			NA	NA
	4/10/92						25.47	-1.34			NA	NA
	5/4/92						25.34	-1.21			NA	NA
	5/19/92						25.34	-1.21			NA	NA
	6/18/92						25.32	-1.19			NA	NA
	7/14/92						26.29	-1.16			NA	NA
	8/7/92						26.23	-1.1			NA	NA
	8/26/92						25.37	-1.24			NA	NA
	9/22/92						25.28	-1.15			NA	NA
	11/20/92						25.2	-1.07			NA	NA
	12/30/92						25.19	-1.06			NA	NA
	1/28/93						24.79	-0.66			NA	NA
	3/12/93						24.4	-0.27			NA	NA
	4/30/93						24	0.13			NA	NA
	6/18/93						24.07	0.06			NA	NA
	7/13/93						24.01	0.12			NA	NA
	8/11/93						23.78	0.35			NA	NA
	9/13/93						23.88	0.25			NA	NA
	10/19/93						23.87	0.26			NA	NA
	11/17/93						23.85	0.26			NA	NA

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-1	11/24/93	4	24.13	-7.87	62	NA(b)	23.78	0.35	ND	NA	NA	NA
	1/21/94						23.04	0.29				
	4/28/94						23.4	0.73				
	5/17/94						23.34	0.70				
	6/9/94						23.28	0.86				
	7/19/94						23.34	0.79				
	8/16/94						22.43	0.91				
	9/14/94						22.43	0.91				
	10/20/94						23.37	0.76				
	11/17/94						23.31	0.82				
	12/14/94						23.32	0.81				
	1/19/95						22.81	1.32				
	2/7/95						22.86	1.47				
	3/13/95						22.56	1.57				
	4/26/95						22.12	2.01				
	5/26/95						22.06	2.07				
	6/29/95						21.93	2.2				
	7/31/95						21.89	2.24				
	8/22/95						21.84	2.29				
	9/6/95						21.9	2.23				
	1/3/96						21.96	2.18				
	2/26/96						21.7	2.43				
	3/27/96						21.53	2.6				
	4/20/96						21.45	2.60				
	6/17/96						21.55	2.50				
	7/10/96						21.63	2.5				
	8/20/96						21.63	2.5				
	9/11/96						21.66	2.48				
	10/16/96						21.77	2.36				
	11/23/96						21.77	2.36				
	1/20/97						21.36	2.77				
	2/19/97						21.17	2.96				
	3/12/97						21.07	3.06				
	5/1/98						17.75	6.38				
	6/28/98						22.8	1.33				
	6/6/02						20.43	4				
	9/5/02						19.63	4.5				
	12/4/02						20.48	3.65				
	3/5/03						20.23	3.9				

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation:(a)	Top of Screen Elevation	Total Well Depth:(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness:(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-1	5/30/03	4	24.13	-7.87	62	NA(b)	23.28	4.8	ND	NA	NA	NA
	9/4/03						19.73	4.4				
	12/9/03						20.65	3.6				
	3/9/04						19.33	4.8				
	6/3/04						19.65	4.48				
	9/15/04						19.89	4.24				
	12/9/04						19.63	4.5				
	3/11/05						18.44	5.69				
	6/2/05						17.93	6.2				
	9/7/05						18.02	6.11				
	12/7/05						17.72	6.41				
	3/6/06						17.25	6.88				
	6/6/06						17.35	6.78				
	9/6/06						17.97	6.16				
	12/1/06						17.43	6.7				
	3/6/07						16.93	7.2				
	6/4/07						18.11	6.02				
	9/6/07						19.61	4.52				
	12/5/07						19.71	4.42				
	3/5/08						19.31	4.82				
	6/5/08						19.31	4.62				
	9/5/08						19.41	4.72				
	12/9/08						19.41	4.72				
	3/12/09						19.31	4.82				
	9/11/09						19.91	4.22				
	12/3/09						20.11	4.02				
	3/18/10						17.3	4.92				
	6/3/10						17.4	4.92				
	9/8/10						17.8	4.42				
	12/9/10						17.4	4.62				
	12/9/10						15.7	6.52				

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNA PL	Depth to Water	Groundwater Elevation	Apparent LNA PL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation	
MW-1A	4/12/88	4	22.86	8.85	34	NO	25.1	-2.24	NO	NA	25.1	-2.24	
	9/21/88						24.84	-1.98			24.84	-1.98	
	3/30/89						24.7	-1.84			24.7	-1.84	
	9/25/89						26.64	-3.78			26.64	-3.78	
	3/26/90						NA	NA			NA	NA	
	9/10/90						NA	NA			NA	NA	
	12/17/90						25.97	-3.12			25.98	-3.12	
	5/29/91						23.94	-1.09			23.95	-1.09	
	8/28/91						NO	24			-1.14	24	-1.14
	12/5/91						24.2	-1.34			24.2	-1.34	
	1/10/92						24.06	-1.2			NA	NA	
	3/5/92						24.87	-2.01					
	4/10/92						23.59	-0.73					
	5/4/92				34		23.54	-0.68					
	5/19/92				23.59		-0.73						
	6/18/92				23.64		-0.76						
	7/14/92				23.69		-0.63						
	8/7/92				23.69		-0.63						
	8/26/92				23.63		-0.97						
	9/22/92				23.74		-0.68						
	11/20/92				23.75		-0.89						
	12/30/92				23.73		-0.87						
	1/26/93				23.36		-0.5						
	3/12/93				22.82		0.04						
	4/30/93				22.51		0.35						
	6/18/93				22.52		0.34						
	7/13/93				22.54		0.35						
	8/11/93				22.42		0.44						
	9/13/93				22.43		0.43						
	10/19/93				35.35		22.41	0.45					
	11/17/93				22.42		0.44						
	11/24/93				22.37		0.35	0.35					
	1/21/94				22.43		0.43	0.43					
	4/28/94				23.09		-0.23	-0.23					
	5/17/94				22.02		0.84	0.84					
	6/5/94				21.97		0.89	0.89					
	7/19/94				22.22		0.64						
	8/15/94				21.95		0.91						
	9/14/94				21.95		0.91						

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-1A	10/20/94	4	22.86	8.86	35.35	ND	22.04	0.82	ND	NA	0.89	NA
	11/17/94						21.97	0.89				
	12/14/94						22.05	0.81				
	1/19/95						21.52	1.34				
	2/7/95						21.27	1.59				
	3/13/95						21.09	1.77				
	4/26/95						20.7	2.16				
	5/26/95						20.66	2.2				
	6/29/95						20.57	2.29				
	7/31/95						20.52	2.34				
	8/22/95						20.52	2.34				
	9/6/95						20.55	2.31				
	1/3/96						20.55	2.31				
	2/26/96						21.97	2.59				
	3/27/96						20.06	2.78				
	4/28/96						20.09	2.77				
	6/17/96						20.18	2.66				
	7/10/96						20.23	2.63				
	8/20/96						20.24	2.62				
	9/11/96						20.27	2.59				
	10/16/96						20.37	2.49				
	11/23/96						20.35	2.51				
	7/19/94						22.22	0.64				
	8/15/94						21.96	0.91				
	9/14/94						21.96	0.91				
	10/20/94						22.04	0.82				
	11/17/94						21.97	0.89				
	12/14/94						22.05	0.81				
	1/19/95						21.52	1.34				
	2/7/95						21.27	1.59				
	3/13/95						21.09	1.77				
	4/26/95						20.7	2.16				
	5/26/95						20.66	2.2				
	6/29/95						20.57	2.29				
	7/31/95						20.52	2.34				
	8/22/95						20.52	2.34				
	9/6/95						20.55	2.31				
	1/3/96						20.55	2.31				
	2/26/96						20.27	2.59				

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-1A	3/27/96	4	22.86	9.86	35.35	ND	20.08	2.78	ND	NA	0.89	NA
	4/26/96						20.09	2.77				
	6/17/96						20.16	2.68				
	7/10/96						20.23	2.63				
	8/20/96						20.24	2.62				
	9/11/96						20.27	2.59				
	10/16/96						20.37	2.49				
	11/23/96						20.35	2.51				
	1/20/97						19.6	3.06				
	2/19/97						19.42	3.44				
	3/12/97						19.54	3.32				
	3/1/98						18.65	4.21				
	6/29/99						21.97	3.33				
	6/6/02							2.38				
	9/5/02							2.22				
	12/4/02							2.01				
	3/5/03							2.06				
	5/30/03							2.77				
	9/4/03							2.78				
	12/9/03							2.48				
	3/9/04							2.53				
	6/3/04							2.68				
	9/15/04							2.56				
	12/9/04							2.6				
	3/11/05							4.14				
	6/2/05							4.46				
	9/7/05							4.43				
	12/7/05							4.38				
	3/5/06							4.77				
	6/6/06							4.01				
	9/6/06							3.73				
	12/1/06							4.83				
	3/6/07							5.08				
	6/4/07							4.77				
	9/3/07							4.67				
	12/5/07							5.07				
	3/5/08							4.92				
	6/5/08							4.92				
	9/5/08							4.72				

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-1A	12/9/08	4	22.86	8.66	35.35	ND	21.97	4.42	ND	NA	0.69	NA
	3/12/09							5.02				
	9/11/09							4.32				
	12/3/09							4.22				
	3/16/10						17.5	5.12				
	6/3/10						19.1	3.92				
	9/8/10						18.4	4.61				
	12/8/10						18.4	4.62				
	3/2/11						17.3	5.72				

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-2	11/4/85	4	31.81	1.81	60	ND	NA	NA	ND	NA	NA	NA
	6/2/86						NA	NA			NA	NA
	12/22/86						33.6	-1.79			33.6	-1.79
	3/12/86						33.5	-1.69			33.5	-1.69
	6/10/87						33.6	-1.79			33.6	-1.79
	9/22/87						34	-2.19			34	-2.19
	4/11/88						33.17	-1.36			33.17	-1.36
	9/21/88						33.05	-1.24			33.05	-1.24
	3/30/89						32.92	-1.11			32.92	-1.11
	9/25/89						32.8	-0.99			32.8	-0.99
	4/2/90						NA	NA			NA	NA
	12/17/90						32.63	-0.82			32.63	-0.82
	5/29/91						32.23	-0.42			32.23	-0.42
	8/28/91						32.3	-0.49			32.3	-0.49
	12/6/91						32.6	-0.79			32.6	-0.79
	1/10/92						32.46	-0.65			NA	NA
	3/5/92						32.24	-0.43				
	4/10/92						31.99	-0.18				
	6/4/92						31.93	-0.12				
	5/19/92						31.94	-0.13				
	6/16/92						31.97	-0.16				
	7/14/92						32.02	-0.21				
	8/7/92						32.03	-0.22				
	8/26/92						32.18	-0.37				
	9/22/92						32.09	-0.28				
	11/20/92						32.12	-0.31				
	12/30/92						31.94	-0.13				
	1/26/93						31.57	0.24				
	3/12/93						31.07	0.74				
	4/30/93						30.7	1.46				
	6/18/93						30.67	1.14				
	7/13/93						30.68	1.13				
	8/11/93						30.63	1.16				
	9/13/93						30.67	1.14				
	10/10/93						30.71	1.1				
	11/17/93						30.7	1.11				
	1/24/93						30.68	1.13			1.13	
	1/21/94						30.69	1.12			1.12	
	4/28/94						30.28	1.53			1.53	

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-2	5/17/94	4	31.81	1.81	60	ND	30.25	1.56	ND	NA	1.56	NA
	6/9/94						30.23	1.58			1.58	
	7/19/94							1.49				
	8/15/94							1.49				
	9/14/94							1.44				
	10/20/94							1.46				
	11/17/94							1.45				
	12/14/94							2.12				
	1/19/95							2.35				
	2/7/95							2.57				
	3/13/95							2.86				
	4/26/95							2.97				
	5/26/95							2.91				
	6/29/95							2.98				
	7/31/95							2.96				
	8/22/95							2.93				
	9/6/95							3.02				
	1/3/96							3.2				
	2/26/96							3.39				
	3/27/96							3.37				
	4/28/96							3.32				
	5/17/96							3.24				
	7/10/96							3.18				
	8/20/96							3.1				
	9/11/96							3.06				
	10/16/96							3.01				
	11/23/96							3.16				
	1/20/97							3.6				
	2/19/97							3.81				
	3/12/97							3.85				
	3/1/98							4.45				
	6/29/99							4.01				
	6/6/02							2.37				
	9/5/02							2.6				
	12/4/02							2.77				
	3/5/03							3.07				
	5/30/03							3.45				

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-2	9/4/03	4	31.81	1.81	60	NO	30.23	5.37	NO	NA	1.58	NA
	12/9/03							4.87				
	3/9/04							5.42				
	6/3/04							5.07				
	9/15/04							5.03				
	12/9/04							5.11				
	3/11/05							6.5				
	6/2/05							6.86				
	9/7/05							6.79				
	12/7/05							6.87				
	3/6/06							6.99				
	6/6/06							6.37				
	9/6/06							5.85				
	12/1/06							6.87				
	3/6/07							6.25				
	6/4/07							4.09				
	9/6/07							4.59				
	12/5/07							5.19				
	3/6/08							4.49				
	6/9/08							4.89				
	9/5/08							4.59				
	12/9/08							4.49				
	3/12/09							4.69				
	9/11/09							4.3				
	12/3/09							3.99				
	3/16/10						25.2	4.76				
	6/3/10						25	4.99				
	9/9/10						25.6	4.39				
	12/9/10						25.7	4.29				
	3/2/11						24.6	5.39				

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-3	11/4/85	4	48.48	6.48	70	ND	NA	NA	ND	NA	NA	NA
	6/2/86						NA	NA			NA	NA
	12/22/85						49.04	-0.56			49.04	-0.56
	3/11/87						48.84	-0.36			48.84	-0.36
	6/11/87						48.84	-0.36			48.84	-0.36
	9/3/87						48.87	-0.39			48.87	-0.39
	4/11/88						48.7	-0.22			48.7	-0.22
	9/21/88						48.59	-0.11			48.59	-0.11
	3/30/89						48.51	-0.03			48.51	-0.03
	9/25/89						48.65	-0.17			48.65	-0.17
	4/2/90						NA	NA			NA	NA
	9/10/90						NA	NA			NA	NA
	12/17/90						48.81	-0.33			48.81	-0.33
	5/29/91						48.31	0.17			48.31	-0.17
	8/28/91						48.41	0.07			48.41	0.07
	12/6/91						48.45	0.03			48.45	0.03
	1/10/92						48.39	0.09			NA	NA
	3/5/92						48.5	-0.02			NA	
	4/10/92						48.42	0.06			NA	
	5/4/92						48.32	0.16			NA	
	5/19/92						48.3	0.18			NA	
	6/16/92						48.29	0.19			NA	
	7/14/92						48.26	0.22			NA	
	8/7/92						48.19	0.29			NA	
	8/26/92						48.36	0.12			NA	
	9/22/92						48.15	0.33				
	11/20/92						48.02	0.46				
	12/30/92						48.06	0.42				
	1/28/93						47.76	0.72				
	3/12/93						47.4	1.08				
	4/30/93						47.13	1.35				
	6/18/93						46.94	1.54				
	7/13/93						46.76	1.72				
	8/11/93						46.45	2.03				
	9/13/93						46.34	2.14				
	10/19/93						46.25	2.23				
	11/17/93						46.12	2.36				
	11/24/93						46.04	2.44			2.44	
	1/21/94						46.06	2.42			2.42	

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-3	4/28/94	4	48.48	6.48	70	ND	45.73	2.75	ND	NA	2.75	NA
	5/17/94						45.65	2.83			2.83	
	6/9/94						45.59	2.89			2.89	
	12/14/94							2.81				
	1/19/95							3.08				
	2/7/95							3.51				
	3/13/95							3.62				
	4/26/95							3.86				
	5/26/95							4.04				
	6/29/95							4.16				
	7/31/95							4.34				
	8/22/95							4.25				
	9/6/95							4.46				
	1/3/96							4.53				
	2/26/96						45.59	4.49				
	3/27/96							4.55				
	4/26/96							4.45				
	6/17/96							4.39				
	7/10/96							4.42				
	8/20/96							4.36				
	9/11/96							4.3				
	10/16/96							4.19				
	11/23/96							4.4				
	1/20/97							4.49				
	2/19/97							4.6				
	3/12/97							4.75				
	3/1/98							4.59				
	6/20/99							4.59				
	6/8/02							4.46				
	9/5/02							4.05				
	12/4/02							3.9				
	3/5/03							4.13				
	5/30/03							4.43				
	9/4/03							7.15				
	12/9/03							4.05				
	3/9/04							4.6				
	6/3/04							4.05				
	9/15/04							5.17				
	12/9/04							5.2				

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-3	3/11/05	4	46.48	6.48	70	ND	45.59	5.21	ND	NA	2.89	NA
	6/2/05							5.05				
	9/7/05							5.01				
	12/7/05							4.95				
	3/6/06							5.07				
	6/6/06							5.4				
	9/6/06							4.83				
	12/1/06							4.7				
	3/6/07							4.55				
	6/4/07							6.2				
	9/6/07							6.37				
	12/5/07							7.52				
	3/6/08							6.82				
	6/9/08							6.82				
	9/5/08							6.32				
	12/9/08							6.02				
	3/12/09							6.22				
	9/11/09							5.72				
	12/3/09							5.52				
	3/18/10						41.9	6.12				
	6/3/10						41.9	6.12				
	9/8/10						42.1	5.92				
	12/8/10						42.3	5.72				
	3/2/11						41.5	6.52				

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-5	11/4/85	4	30.78	6.53	60	ND	NA	NA	ND	NM	NA	NA
	6/2/86					ND	NA	NA	ND	NM	NA	NA
	12/24/86					ND	33.58	-2.8	ND	NM	33.58	-2.8
	3/16/87					ND	33.42	-2.64	ND	NM	33.42	-2.64
	9/30/91					31.88	31.9	-1.12	0.02	0.8261	31.9	-1.12

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-7	11/4/85	4	24.14	4.14	60	ND	NA	NA	ND	NA	NA	NA
	6/2/86						NA	NA			NA	NA
	12/23/86						26.5	-2.36			26.5	-2.36
	3/13/87						26.38	-2.24			26.38	-2.24
	6/12/87						26.75	-2.61			26.75	-2.61
	9/24/87						26.5	-2.36			26.5	-2.36
	4/12/88						26.02	-1.86			26.02	-1.86
	9/22/88						25.19	-1.05			25.19	-1.05
	3/31/89						25.7	-1.56			25.7	-1.56
	9/26/89						25.06	-0.94			25.06	-0.94
	4/2/90						NA	NA			NA	NA
	9/10/90						NA	NA			NA	NA
	12/17/90						25.49	-1.35			25.49	-1.35
	5/29/91						25.03	-0.89			25.03	-0.89
	8/28/91						25.1	-0.96			25.1	-0.96
	12/6/91						25.2	-1.06			25.2	-1.06
	1/10/92						25.19	-1.05			NA	NA
	3/5/92						25.1	-0.96				
	4/10/92						24.86	-0.72				
	5/4/92						24.74	-0.6				
	5/19/92						24.84	-0.67				
	6/18/92						24.85	-0.71				
	7/14/92						24.92	-0.78				
	8/7/92						24.91	-0.77				
	8/26/92						25.04	-0.9				
	9/22/92						24.95	-0.81				
	11/20/92(e)						21.89	-0.75				
	12/30/92						21.86	-0.72				
	1/28/93						21.46	0.32				
	3/12/93						21.02	0.12				
	4/30/93						20.65	0.49				
	6/18/93						20.64	0.5				
	7/13/93						20.62	0.52				
	8/11/93						20.46	0.66				
	9/13/93						20.54	0.6				
	10/19/93				52.66		20.55	0.59				
	11/17/93						20.56	0.58				
	11/24/93						20.49	0.65		0.65		
	1/21/94						20.57	0.57		0.57		

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-7	4/20/94	4	24.14	4.14	52.66	ND	20.14	1	ND	1	NA	NA
	5/17/94						20.07	1.07		1.07		
	6/9/94						20	1.14		1.14		
	7/19/94							1.07				
	8/15/94							1.15				
	9/14/94							1.14				
	10/20/94							1.02				
	11/17/94							1.09				
	12/14/94							1.08				
	1/19/95							1.56				
	2/7/95							1.78				
	3/13/95							1.9				
	4/25/95							2.41				
	5/26/95							2.47				
	6/29/95							2.56				
	7/31/95							2.59				
	8/22/95							2.6				
	9/6/95							2.54				
	1/3/96							2.44				
	2/26/96							2.75				
	3/27/96							2.91				
	4/28/96							2.92				
	6/17/96							2.97				
	7/10/96							2.60				
	8/20/96							2.6				
	9/11/96							2.8				
	10/16/96							2.79				
	11/23/96							2.69				
	1/20/97							2.71				
	2/19/97							3.15				
	3/12/97							3.36				
	3/1/98							3.5				
	6/29/99							4.41				

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation				
MW-8	11/4/85	4	27.7	5.7	52	ND	NA	NA	ND	NA	NA	NA				
	6/2/86						NA	NA			NA	NA				
	12/23/87						30.32	-2.78			30.32	-2.78				
	3/12/87						30.25	-2.71			30.25	-2.71				
	6/11/87						30.25	-2.71			30.25	-2.71				
	9/25/87						30	-2.46			30	-2.46				
	4/13/88						29.57	-2.03			29.57	-2.03				
	9/23/88						29.46	-1.92			29.64	-1.92				
	3/31/89						29.34	-1.8			29.34	-1.8				
	9/26/89						29.3	-1.76			29.3	-1.76				
	4/2/90						NA	NA			NA	NA				
	9/10/90						NA	NA			NA	NA				
	12/17/90						29.33	-1.79			29.33	-1.79				
	5/29/91						28.67	-0.97			28.67	-0.97				
	8/26/91						28.74	-1.04			28.74	-1.04				
	12/6/91						28.9	-1.2			28.9	-1.2				
	1/10/92						28.68	-0.98			NA	NA				
	3/5/92						27.54				29.04	-1.6				
	4/10/92						28.84	-1.3								
	5/4/92						28.69	-1.15								
	5/19/92						28.66	-1.14								
	6/18/92						28.67	-1.13								
	7/14/92						28.64	-1.1								
	8/7/92						28.56	-1.02								
	8/26/92						28.73	-1.19								
	9/22/92						28.62	-1.08								
	11/20/92						28.5	-0.96								
	12/30/92						28.53	-0.99								
	1/28/93						28.14	-0.6								
	3/12/93						27.74	-0.2								
	4/30/93						27.36	0.18								
	6/18/93						27.45	0.09								
	7/13/93						27.38	0.16								
	8/11/93						27.12	0.42								
	9/13/93						27.24	0.3								
	10/19/93		45.54				27.21	0.33								
	11/17/93		27.18		0.36											
	11/24/93		27.11		0.43			0.43								
	1/21/94		27.19		0.35			0.35								

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation (±)	Top of Screen Elevation	Total Well Depth (±)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness (±)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-8	4/26/94	4	27.54	6.7	45.54	ND	26.75	0.79	ND	NA	0.79	NA
	5/17/94						26.68	0.86			0.86	
	6/9/94						26.61	0.93			0.93	
	7/19/94							0.88				
	8/15/94							0.96				
	9/14/94							0.93				
	10/20/94							0.84				
	11/17/94							0.93				
	12/14/94							0.86				
	1/19/95							1.37				
	2/7/95							0.86				
	3/13/95							1.64				
	4/25/95							2.09				
	5/26/95							2.14				
	6/29/95							2.28				
	7/31/95							2.31				
	8/22/95							2.38				
	9/6/95							2.27				
	1/3/96							2.61				
	2/26/96							2.69				
	3/27/96							2.68				
	4/28/96							2.76				
	6/17/96							2.64				
	7/10/96							2.59				
	8/20/96							2.59				
	9/11/96							2.57				
	10/16/96							2.45				
	11/23/96							2.44				
	1/20/97							2.68				
	2/19/97							3.03				
	3/12/97							3.16				
	3/1/98							3.77				
	6/29/99							3.24				
	6/6/02							1.56				
	9/2/02							2.2				
	12/4/02							1.93				
	3/5/03							2.36				
	4/30/03							2.7				
	9/4/03							4.46				

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(z)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-6	12/9/03	4	27.54	5.7	45.54	ND	20.61	4.36	ND	NA	0.93	NA
	3/3/04							4.55				
	6/3/04							4.36				
	9/15/04							4.26				
	12/9/04							4.29				
	3/11/05							5.6				
	6/2/05							6.21				
	9/7/05							6.15				
	12/7/05							6.32				
	3/6/06							6.78				
	6/6/06							6.34				
	9/6/06							5.74				
	12/1/06							5.83				
	3/6/07							6.76				
	6/4/07							4.61				
	9/6/07							4.46				
	12/5/07							5.86				
	3/6/08							4.81				
	6/9/08							4.91				
	9/5/08							5.61				
	12/9/08							4.41				
	3/12/09							4.81				
	9/11/09							4.31				
	12/3/09							4.01				
	3/18/10						21.1	4.81				
	6/3/10						21.1	4.81				
	9/8/10						21.5	4.41				
	12/9/10						21.7	4.21				
	3/2/11						20.6	5.31				

TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-9	11/15/85	4	36.73	-12.27	49	NA	NA	NA	NA	NA	NA	NA
	11/22/85											
	6/24/86											
	12/22/86											
	3/11/87											
	6/1/87											
	9/22/87											
	2/16/88											
	5/12/88					38.43	38.69	-1.96	0.26	0.791	38.48	-1.75
	6/15/88					38.5	38.78	-2.05	0.28		38.55	-1.82
	7/7/88					38.61	38.81	-2.08	0.2		38.65	-1.92
	7/12/88					38.5	38.8	-2.07	0.3		38.56	-1.83
	7/15/88					38.52	38.64	-2.11	0.32		38.58	-1.85
	7/19/88					38.46	38.72	-1.99	0.26		38.51	-1.78
	7/22/88					38.41	38.7	-1.97	0.26		38.49	-1.75
	9/20/88					38.32	38.69	-1.96	0.37		38.39	-1.67
	9/26/88					38.38	38.67	-2.14	0.49		38.48	-1.75
	10/12/88					38.37	38.75	-2.02	0.49		38.36	-1.63
	10/17/88					32.86	38.54	-1.81	0.28		38.32	-1.58
	10/24/88					38.25	38.56	-1.87	0.31		38.31	-1.59
	11/21/88					38.26	38.65	-1.92	0.29		38.42	-1.69
	11/30/88					35.25	38.67	-1.94	0.42		38.33	-1.6
	12/5/88					38.2	38.66	-1.93	0.5		38.26	-1.53
	12/9/88					38.76	39.36	-2.03	0.5		38.96	-2.23
	12/22/88					38.24	39.02	-2.29	0.66		38.49	-1.76
	2/8/89					38.18	38.96	-2.27	0.78		38.34	-1.61
	4/28/89					38.04	39.06	-2.33	1.02		38.25	-1.52
	5/15/89					36.02	39.13	-2.4	1.11			
	6/9/89					37.97	39.14	-2.41	1.17		38.21	-1.48
	8/15/89					38.11	38.6	-1.87	0.49		38.21	-1.46
	11/1/89					38.03	39.92	-3.19	0.89		39.22	-2.48
	12/7/89					38.03	38.96	-2.23	0.03		37.8	-1.07
	7/11/90					38.54	38.64	-1.81	0		38.45	-1.8
	7/17/90					38.45	38.46	-1.72	0			-1.77
	7/19/90					38.15	37.7	-0.97	0.45		37.34	-0.61
	12/17/90					37.9	38.94	-2.21	1.04		38.11	-1.36
	3/28/91					37.68	38.45	-1.73	0.78		37.84	-1.11
	5/29/91					37.51	38.25	-1.52	0.59		37.66	-0.93
	7/5/91					37.54	37.54	-0.81	0		37.54	-0.81

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation	
MW-9	7/24/91	4	36.73	-12.27	49	37.49	38.25	-1.52	0.76	0.791	37.64	-0.92	
	8/28/91					37.61	38.23	-1.5	0.62		37.73	-1.01	
	9/18/91					37.65	38.18	-1.45	0.53		37.76	-1.03	
	10/21/91					37.53	38.14	-1.41	0.61		37.65	-0.92	
	11/7/91					37.62	38.28	-1.65	0.66		37.75	-1.02	
	12/6/91					37.84	38.5	-1.77	0.66		37.97	-1.06	
	1/10/92					37.66	38.17	-1.44	0.61		37.69	-0.96	
	3/5/92					38	38.75	-2.02	0.75		38.15	-1.42	
	4/10/92					38.2	39.07	-2.34	0.87		38.38	-1.65	
	5/4/92					38.11	38.95	-2.22	0.84		38.28	-1.55	
	5/19/92					38.11	38.94	-2.21	0.83		38.28	-1.55	
	6/15/92					ND	38.1	-1.37	ND	NA	NA	NA	
	7/14/92					ND	37.95	-1.22	ND	NA	NA	NA	
	6/7/92					ND	37.88	-1.15	ND	NA	NA	NA	
	8/26/92					37.87	38.67	-1.94	0.8	0.791	38.04	-1.31	
	9/22/92					ND	37.8	-1.07	ND	NA	NA	NA	
	11/20/92					37.6	38.38	-1.65	0.78	0.791	37.76	-1.03	
	12/30/92					ND	37.64	-0.91	ND	NA	NA	NA	
	1/28/93					ND	37.18	-0.45	ND	NA	NA	NA	
	3/12/93					35.69	37.41	NA	0.72	0.791	36.84	-0.11	
	4/30/93					ND	36.56	0.17	ND	NA	NA	NA	
	6/18/93					ND	36.49	0.24	ND	NA	NA	NA	
	7/13/93					36.4	37.57	-0.84	1.17	0.791	36.64	NA	
	8/11/93					ND	35.95	0.76	ND	NA	NA	0.09	
	9/13/93					ND	35.2	0.53	ND	NA	NA	NA	
	10/19/93					50.35	36.16	37.57	-0.84	1.41	0.791	36.45	0.26
	11/17/93						ND	36.12	0.61	ND	NA	NA	NA
	11/24/93						36.04	37.42	-0.69	1.38	0.791	36.32	0.41
	1/21/94						35.08	37.66	0.93	0.58	0.791	37.2	-0.47
	4/28/94						NA	35.65	1.08	1.06	ND	NA	1.08
	5/17/94						35.6	35.79	0.94	0.19	0.791	35.63	1.1
	6/9/94						35.62	35.66	1.08	0.13	0.791	35.54	1.19
	7/19/94										1.25		
	8/15/94												
	9/14/94										1.09		
	10/20/94										1.19		
	11/17/94										1.13		
	12/14/94										1.58		
	1/19/95										1.62		

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-9	2/7/95	4	36.73	-12.27	60.35	35.52	35.65	1.73	0.13	0.791	35.54	1.19
	3/13/95							2.24				
	4/26/95							2.31				
	5/26/95							2.5				
	6/29/95							2.57				
	7/31/95							2.63				
	8/22/95							2.57				
	9/6/95							2.48				
	1/3/96							2.71				
	2/26/96							2.83				
	3/27/96							2.81				
	4/28/96							2.92				
	6/17/96							2.81				
	7/10/96							2.77				
	8/20/96							2.8				
	9/11/96							2.8				
	10/16/96							2.66				
	11/23/96							2.61				
	1/20/97							2.9				
	2/19/97							3.07				
	3/12/97							3.2				
	3/1/98							3.74				
	6/29/99							3.36				
	6/6/02							3.75				
	9/2/02							2.34				
	12/4/02							2.2				
	3/5/03							2.53				
	4/30/03							2.95				
	9/4/03							3				
	12/9/03							2.95				
	3/3/04							2.65				
	6/3/04							2.96				
	9/15/04							2.85				
	12/9/04							2.87				
	3/11/05							3.93				
	6/2/05							4.85				
	9/7/05							4.73				
	12/7/05							5.19				
	3/6/06							5.83				

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation (a)	Top of Screen Elevation	Total Well Depth (a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness (a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-9	6/6/06	4	36.73	-12.27	50.36	35.52	35.65	4.87	0.13	0.791	35.54	1.19
	9/6/06							4.45				
	12/1/06							5.45				
	3/6/07							4.96				
	6/4/07							4.61				
	9/6/07							4.78				
	12/5/07							5.48				
	3/6/08							4.86				
	6/9/08							5.06				
	9/5/08							4.98				
	12/3/08							4.68				
	3/12/09							4.98				
	9/11/09							4.46				
	12/3/09							4.26				
	3/18/10						31.8	4.99				
	6/3/10						31.9	4.98				
	9/8/10						32.3	4.58				
	12/8/10						32.4	4.48				
	3/2/11						31.3	5.58				

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-10	4/13/88	4	31.39	5.39	46	ND	33.08	-1.69	ND	NA	33.06	-1.69
	9/23/88						33	-1.61			33	-1.61
	3/29/89						33	-1.61			33	-1.61
	9/26/89						32.85	-1.46			32.85	-1.46
	4/2/90						NA	NA			NA	NA
	9/10/90						NA	NA			NA	NA
	12/17/90						32.68	-1.29			32.68	-1.29
	5/28/91						32.18	-0.79			32.18	-0.79
	8/28/91						32.27	-0.66			32.27	-0.66
	12/6/91						32.45	-1.06			32.45	-1.06
	1/10/92						32.36	-0.97			NA	NA
	3/5/92						32.38	-0.99	ND	NA	NA	NA
	4/10/92						32.19	-0.6				
	5/4/92						32.09	-0.7				
	5/19/92						32.08	-0.69				
	6/16/92						32.07	-0.66				
	7/14/92						32.19	-0.8				
	8/7/92						32.05	-0.66				
	8/26/92						32.26	-0.87				
	9/22/92						32.09	-0.7				
	11/20/92						32.06	-0.67				
	12/30/92						32.05	-0.66				
	1/28/93						31.72	-0.33				
	3/12/93						31.3	0.06				
	4/30/93						30.86	0.51				
	6/18/93						30.83	0.56				
	7/13/93						30.78	0.61				
	8/11/93						30.65	0.74				
	9/13/93						30.7	0.69				
	10/19/93				47.3		30.72	0.67				
	11/17/93						30.7	0.69				
	11/24/93						30.63	0.76			0.76	
	1/21/94						30.71	0.68			0.68	
	4/28/94						30.33	1.06			1.06	
	5/17/94						30.26	1.13			1.13	
	6/9/94						30.19	1.2			1.2	
	7/19/94							1.14				
	8/15/94							1.21				
	9/14/94							1.17				

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNA/PL	Depth to Water	Groundwater Elevation	Apparent LNA/PL Thickness(e)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-10	10/20/94	4	31.39	5.39	47.3	ND	30.19	1.1	ND	NA	1.2	NA
	11/17/94							1.16				
	12/14/94							1.16				
	1/19/95							1.58				
	2/7/95							1.71				
	3/13/95							1.87				
	4/26/95							2.35				
	5/26/95							2.44				
	6/29/95							2.6				
	7/31/95							2.63				
	8/22/95							2.69				
	9/6/95							2.63				
	1/3/96							2.55				
	2/26/96							2.8				
	3/27/96							2.94				
	4/3/96							2.9				
	4/28/96							3.2				
	6/17/96							2.95				
	7/10/96							2.94				
	8/20/96							2.89				
	9/11/96							2.87				
	10/16/96							2.75				
	11/23/96							2.78				
	1/20/97							3.12				
	2/19/97							3.29				
	3/12/97							3.45				
	3/1/98							3.85				
	6/29/99							3.7				
	6/6/02							2.62				
	9/2/02							2.35				
	12/4/02							2.27				
	3/5/03							2.57				
	4/30/03							3.07				
	9/4/03							3.17				
	12/9/03							2.97				
	3/9/04							3.09				
	6/3/04							2.66				
	9/15/04							2.79				
	12/9/04							2.85				

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-10	3/11/05	4	31.39	5.39	47.3	NO	30.19	2.99	NO	NA	1.2	NA
	6/2/05							3.65				
	9/7/05							3.64				
	12/7/05							2.91				
	3/6/06							4.05				
	6/6/06							4.25				
	9/6/06							3.92				
	12/1/06							4.07				
	3/6/07							4.17				
	6/4/07							4				
	9/5/07							3.4				
	12/5/07							4.6				
	3/6/08							4.4				
	6/9/08							4.4				
	9/5/08							4.7				
	12/5/08							4.4				
	3/12/09							4.9				
	9/11/09							4.32				
	12/3/09							4.1				
	3/16/10						26.6	5				
	6/3/10						26.7	4.9				
	9/9/10						27	4.6				
	12/8/10						27.2	4.4				
	3/2/11						26.1	5.5				

**TABLE Exhibit 5-1
SUMMARY OF GAUGING DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	Well Diameter (inches)	Top of Casing Elevation(a)	Top of Screen Elevation?	Total Well Depth(a)	Depth to LNAPL	Depth to Water	Groundwater Elevation	Apparent LNAPL Thickness(a)	Specific Gravity	Corrected Depth to Groundwater	Corrected Groundwater Elevation
MW-11	3/18/10	4	33.06		43	ND	27.5	5.56	ND	NA	1.2	NA
	6/3/10						27.5	5.56				
	9/8/10						28	5.06				
	12/8/10						28.1	4.96				
	3/2/11						27	6.06				
MW-12	3/18/10	4	24.04		33	ND	17.9	5.66				
	6/3/10						18.6	5.44				
	9/8/10						18.9	5.14				
	12/8/10						19	5.04				
	3/2/11						17.9	6.14				
MW-13	3/18/10	4	21.33		30	ND	16	5.33				
	6/3/10						16	5.33				
	9/8/10						16.5	4.63				
	12/8/10						16.6	4.73				
	3/2/11						15.4	5.93				
MW-14	3/18/10	4	16.81		25	ND	11.5	5.31				
	6/3/10						11.7	5.11				
	9/8/10						12.1	4.71				
	12/8/10						12.2	4.61				
	3/2/11						11.1	5.71				
MW-15	3/18/10	4	17.17		26	ND	11.9	5.27				
	6/3/10						11.8	5.37				
	9/8/10						11.3	5.87				
	12/8/10						13.5	3.67				
	3/2/11						11.3	5.67				
MW-16	3/18/10	4	16.41		27	ND	12.9	5.51				
	6/3/10						13	5.4				
	9/8/10						13.4	5.01				
	12/8/10						13.3	5.11				
	3/2/11						12.3	6.11				
MW-17	9/8/10				27	ND	17.3					
	12/8/10						17.4					
	3/2/11						16.1	5.83				
MW-18	12/8/10											
	3/2/11						11.9	5.82				
MW-19	3/2/11						10.8	5.66				
							13.3					

(a) All well elevations, depths and thickness units of measure are presented in feet

(b) NA = Not Applicable or Not Analyzed

(c) ND = Not Detected

(d) NM = Not Measured

(e) Top of casing is 3.00 feet shorter as of 11/20/92. Well casing above ground was cut flush with ground surface

EXHIBIT 5 – PART II

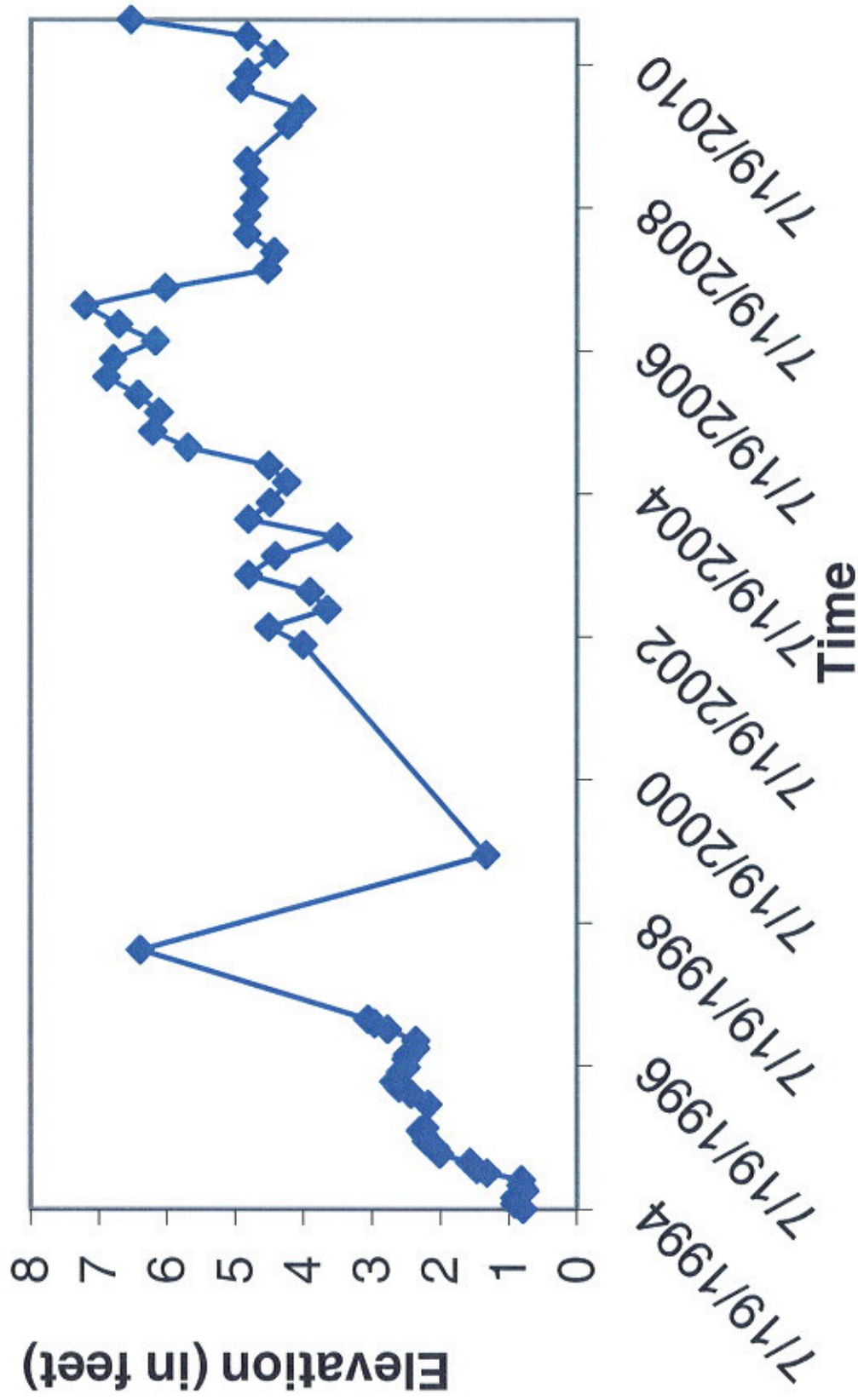
ANNOTATED HYDROGRAPHS

EXHIBIT 5 -- PART 1

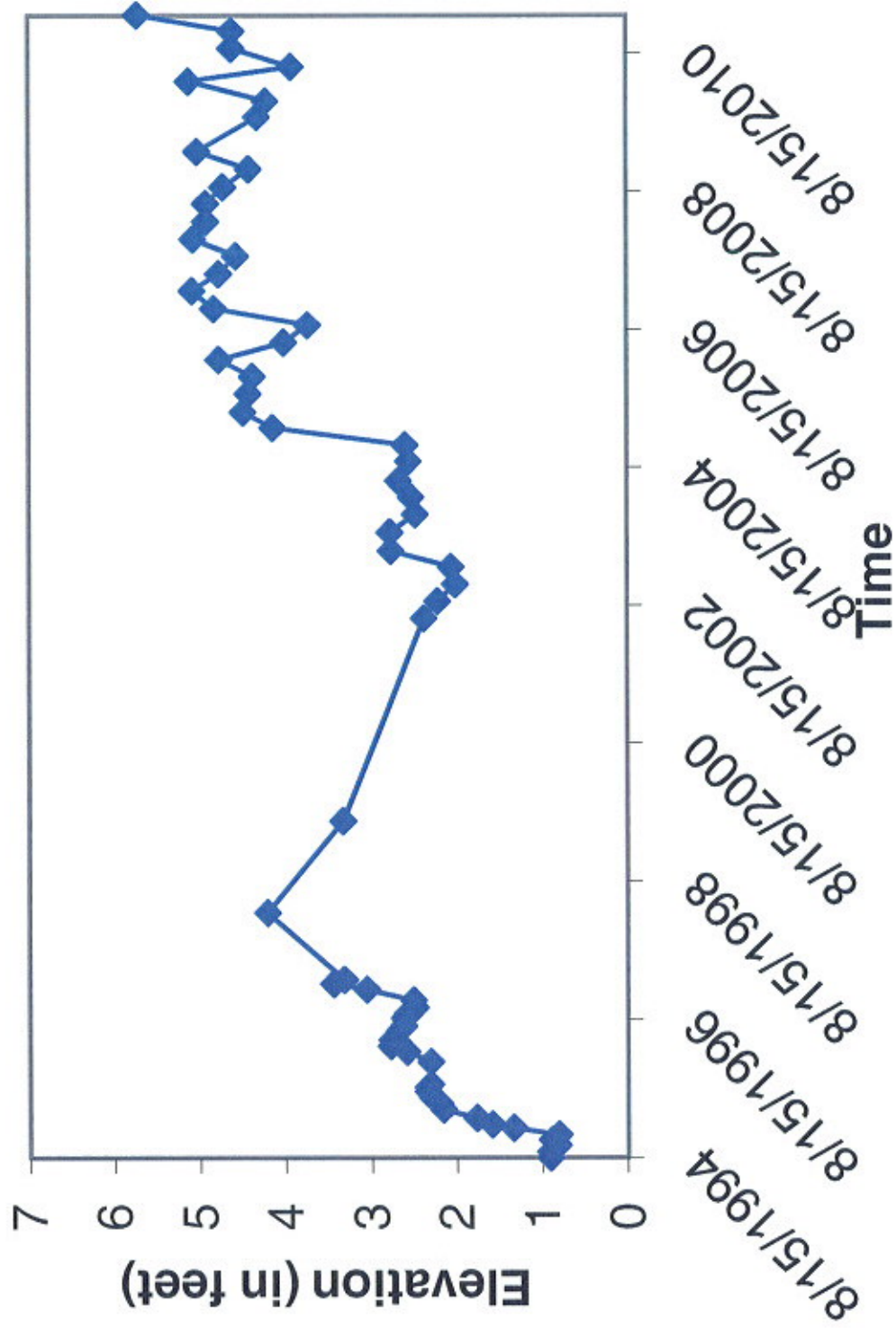
TABULATION OF GAUGING DATA

This appendix contains a tabulation of gauging data for the period from December 1994 through March 2011.

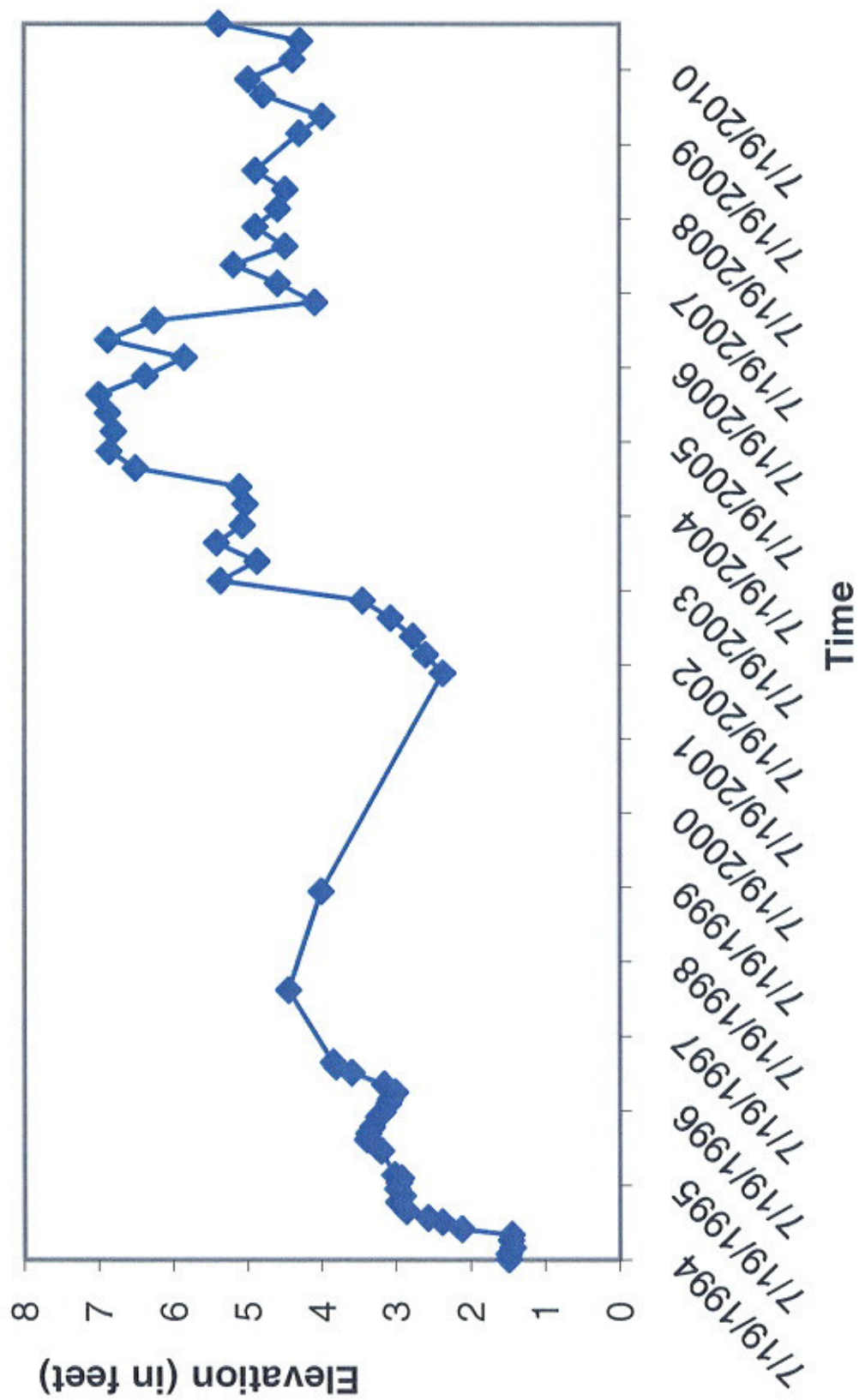
Hydrograph for MW-1



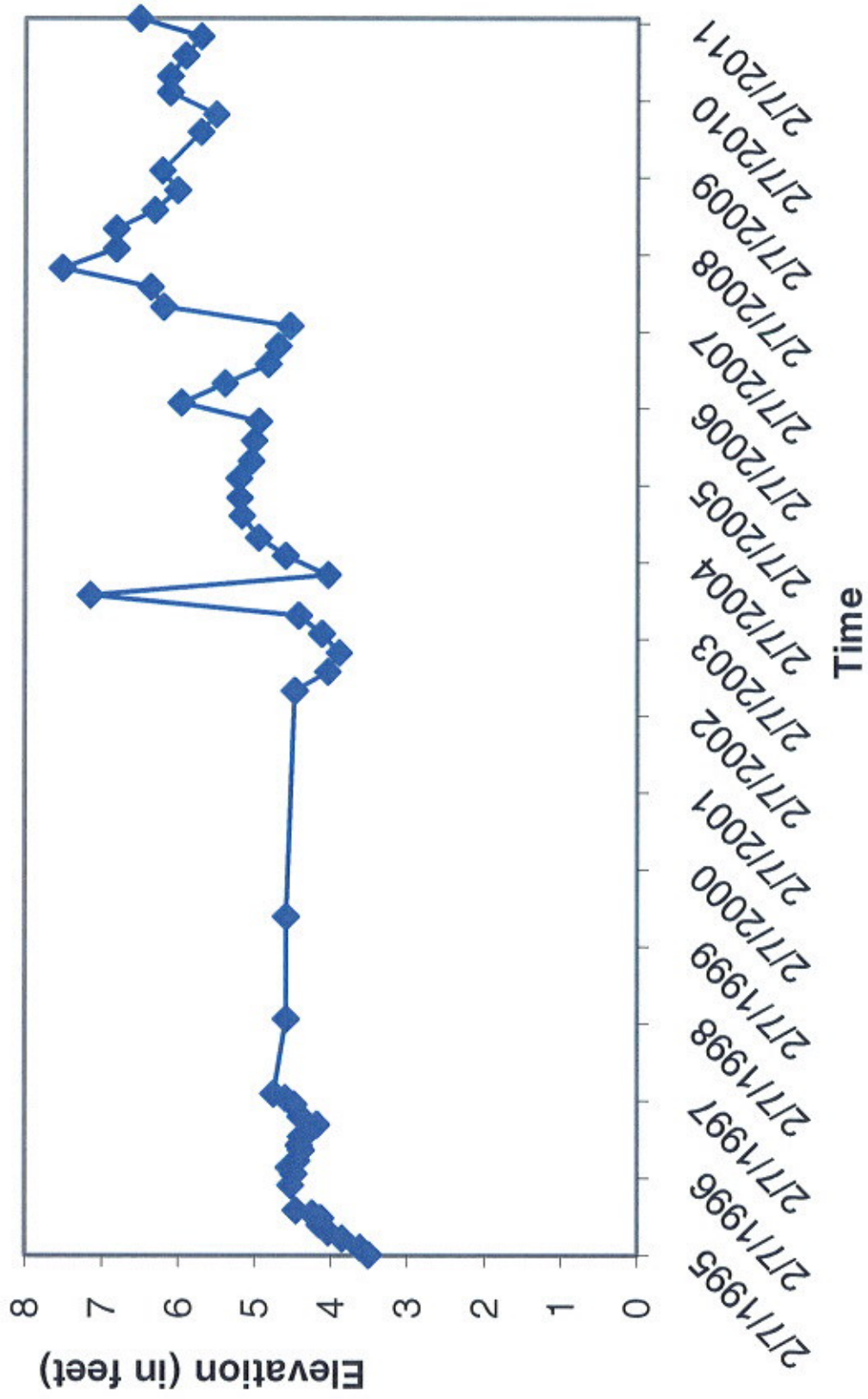
Hydrograph for MW-1A



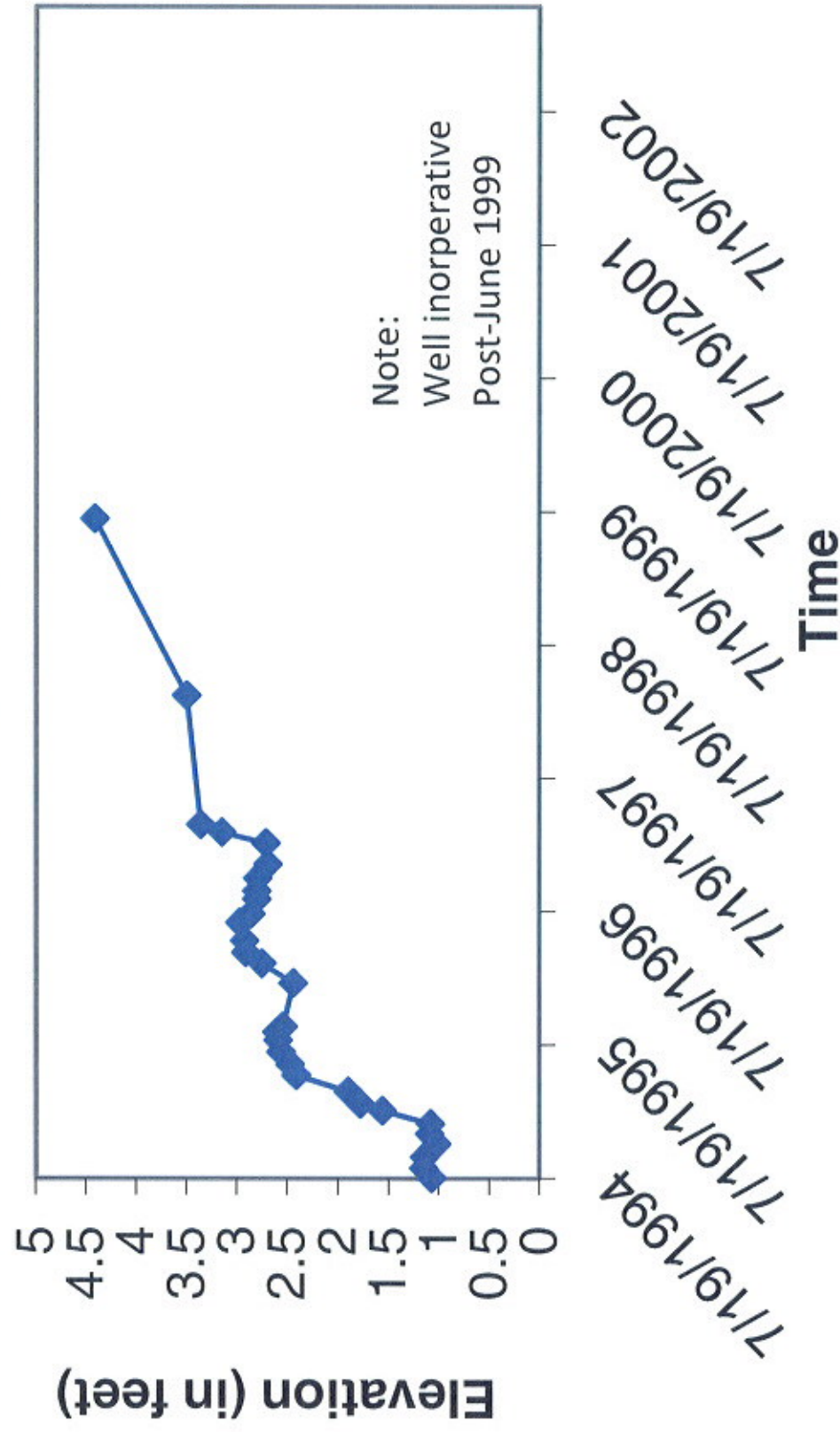
Hydrograph for MW-2



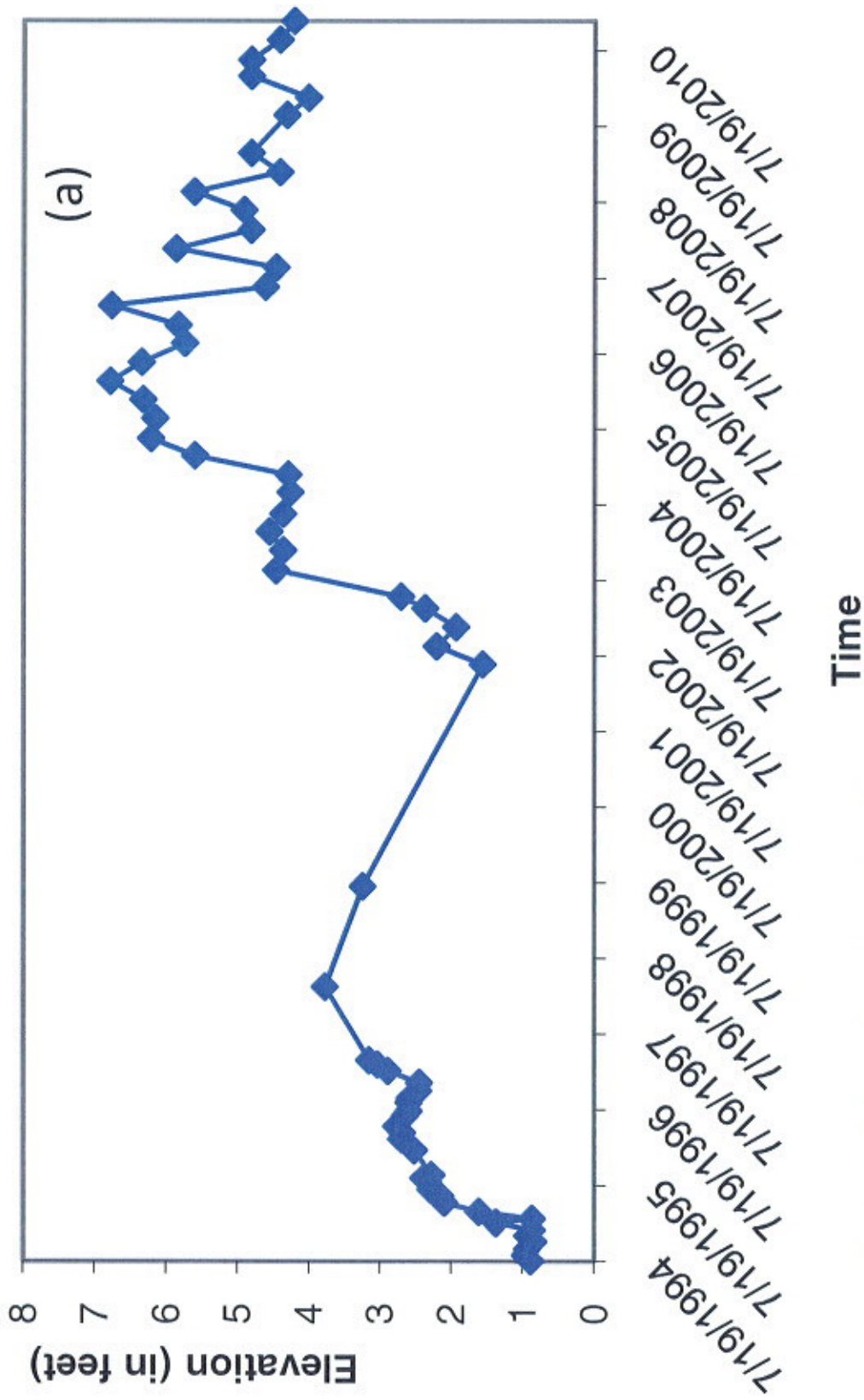
Hydrograph for MW-3



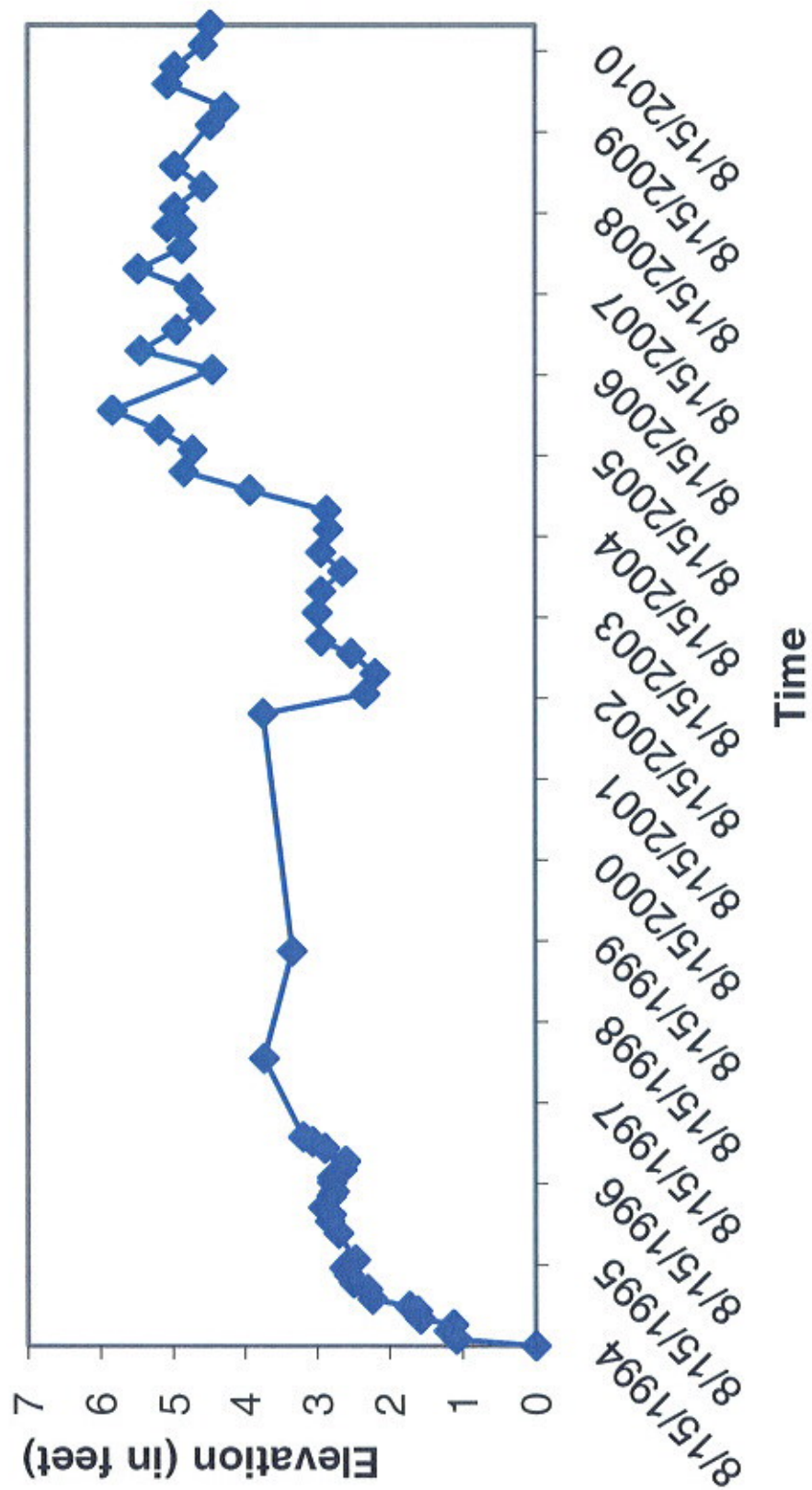
Historic Hydrograph for MW-7



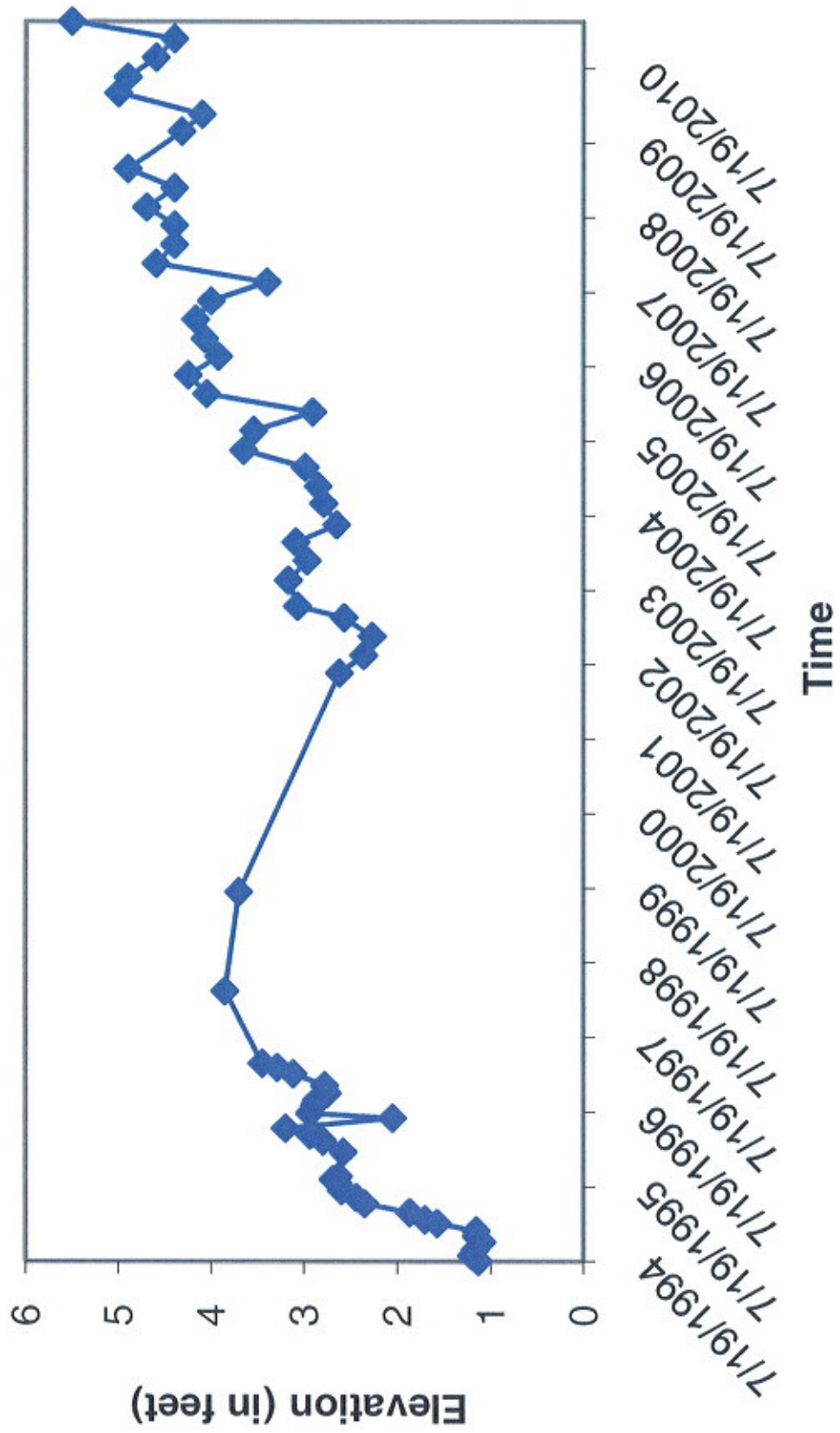
Hydrograph for MW-8



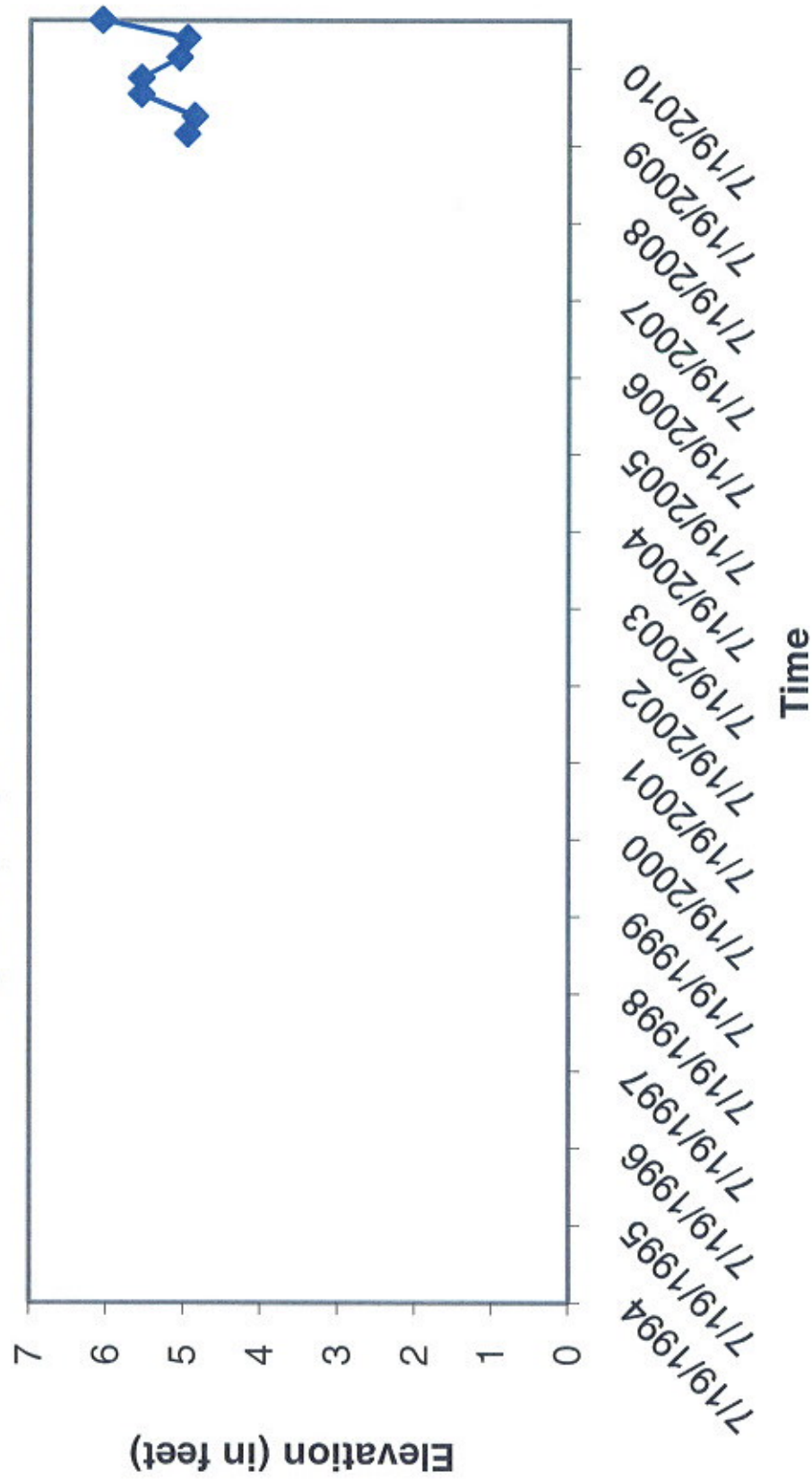
Hydrograph for MW-9



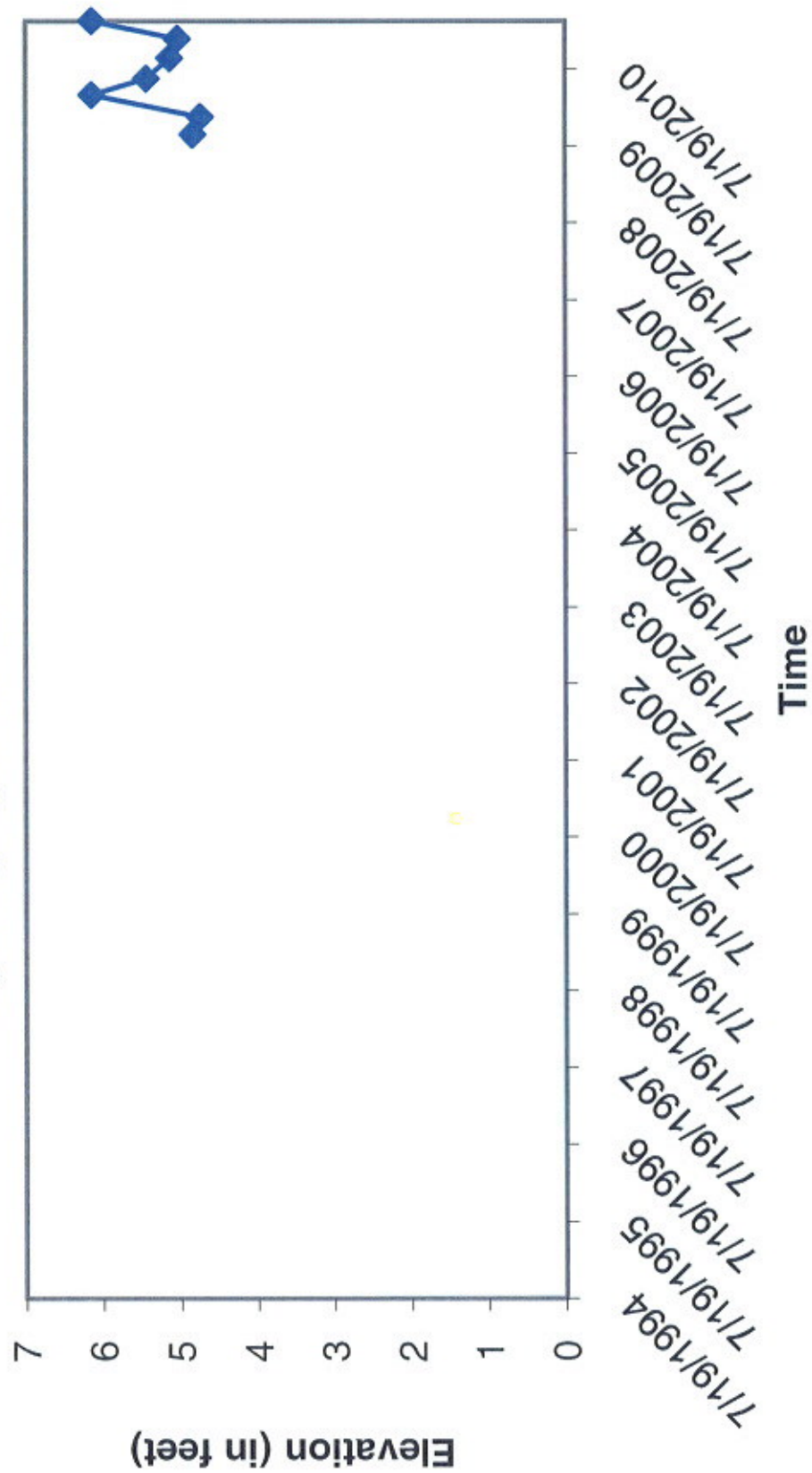
Hydrograph for MW-10



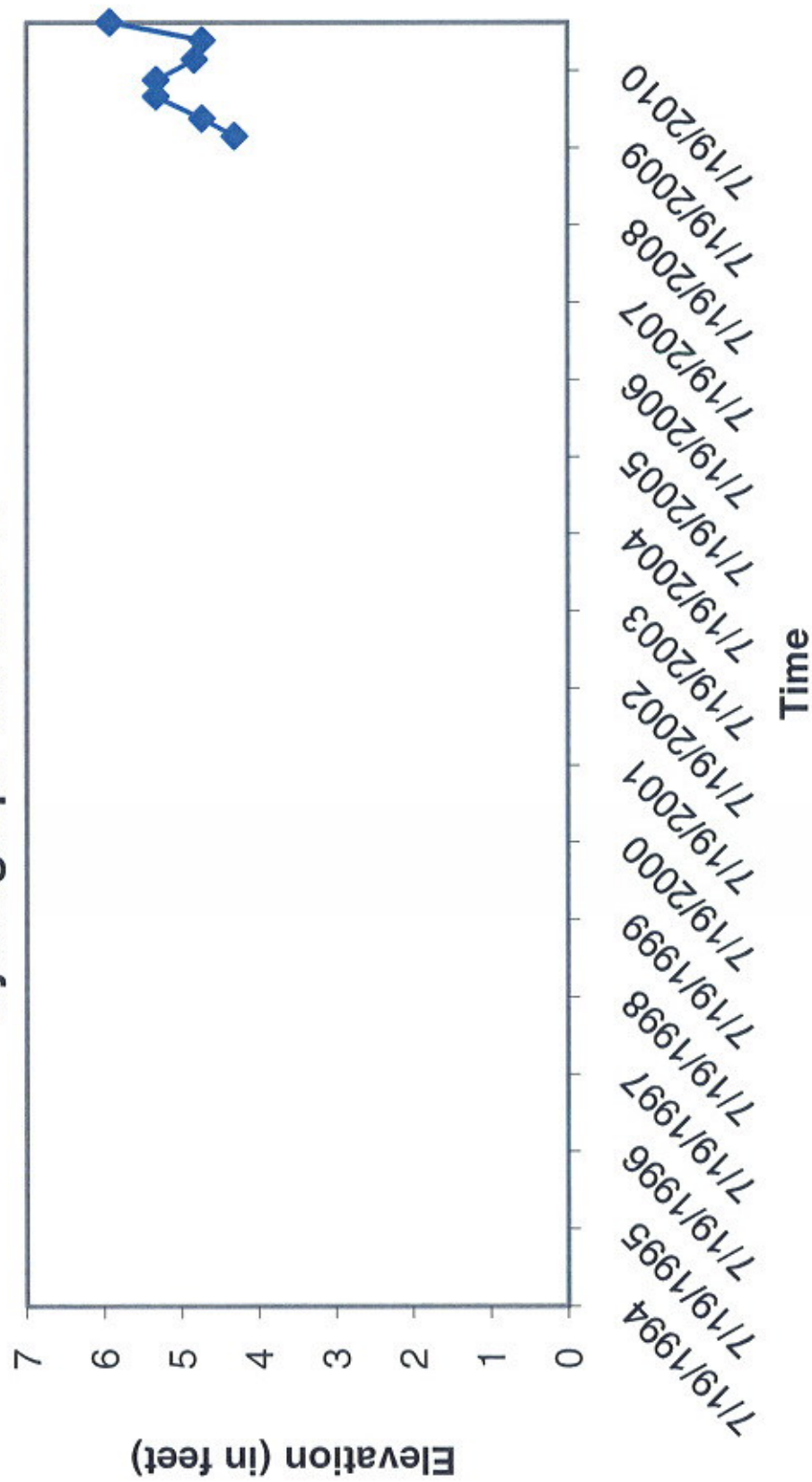
Hydrograph for MW-11



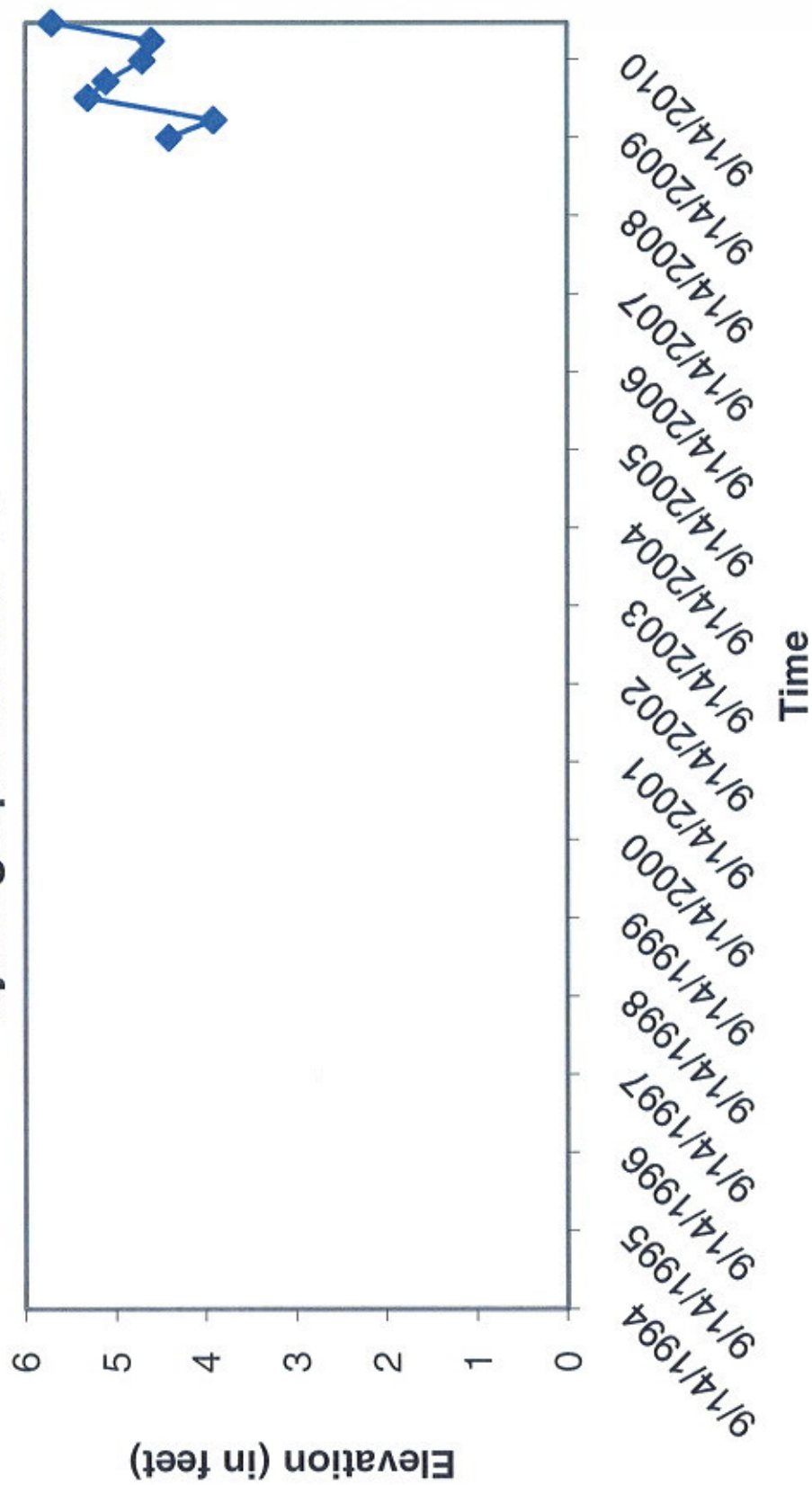
Hydrograph for MW-12



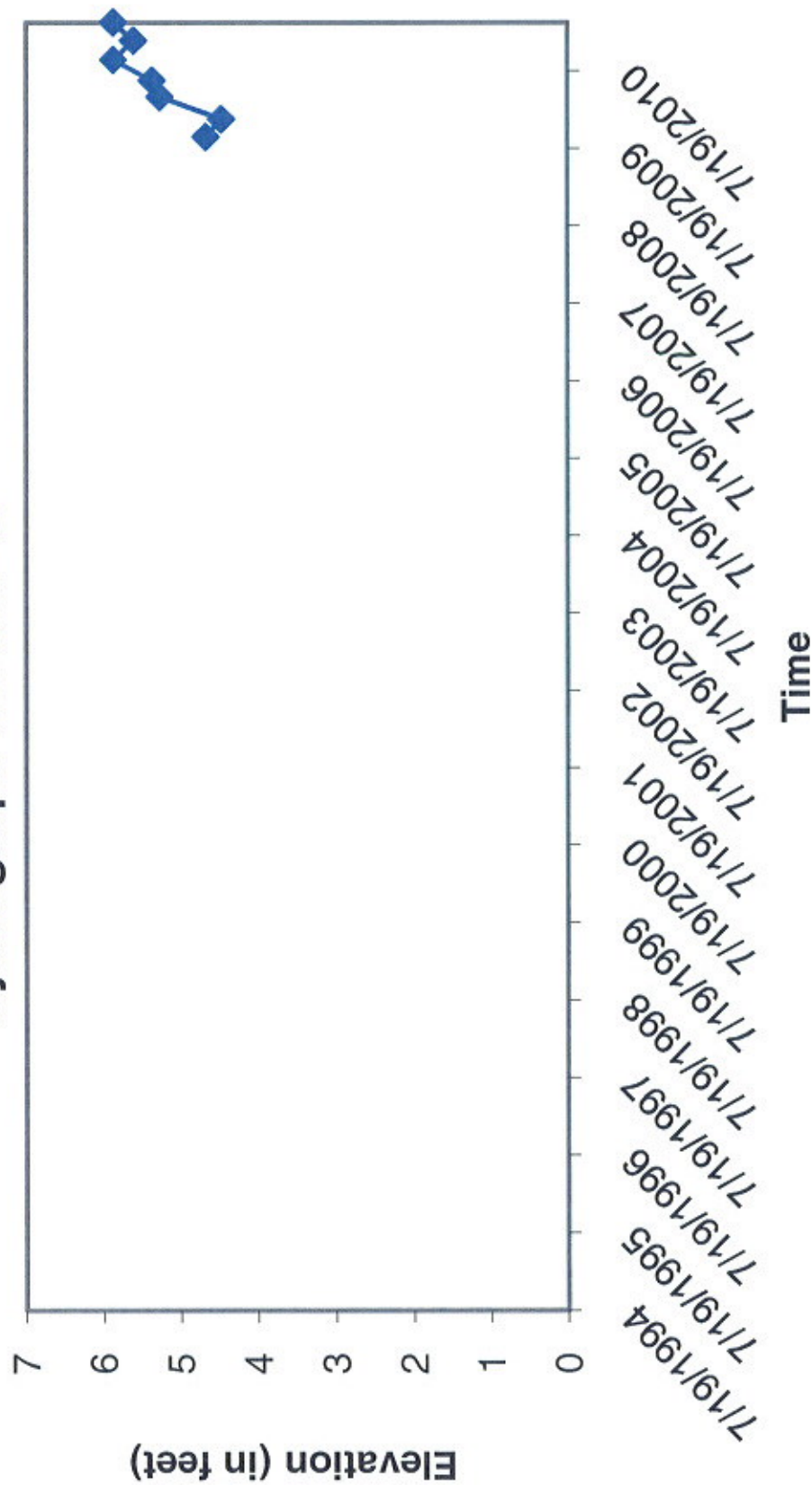
Hydrograph for MW-13



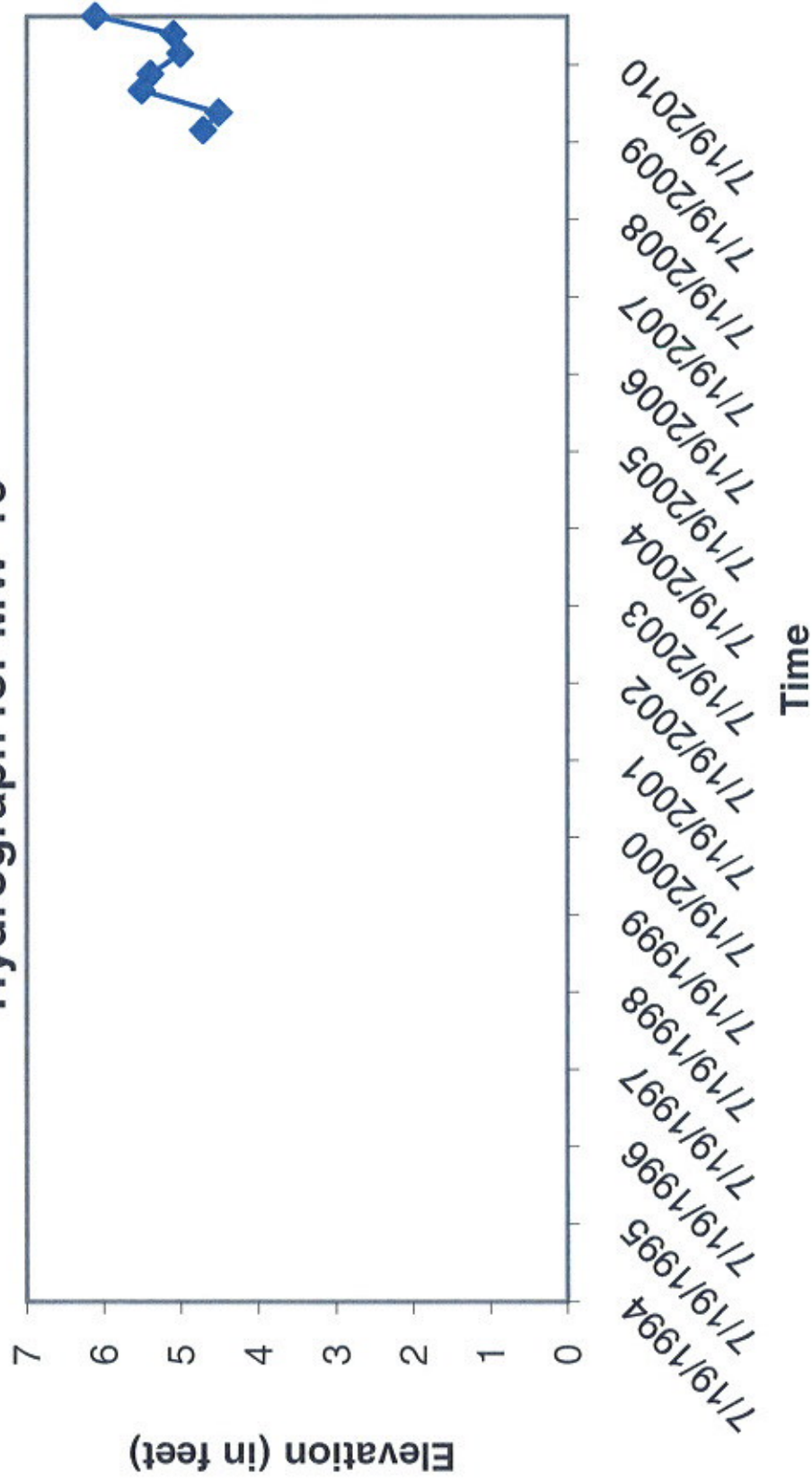
Hydrograph for MW-14



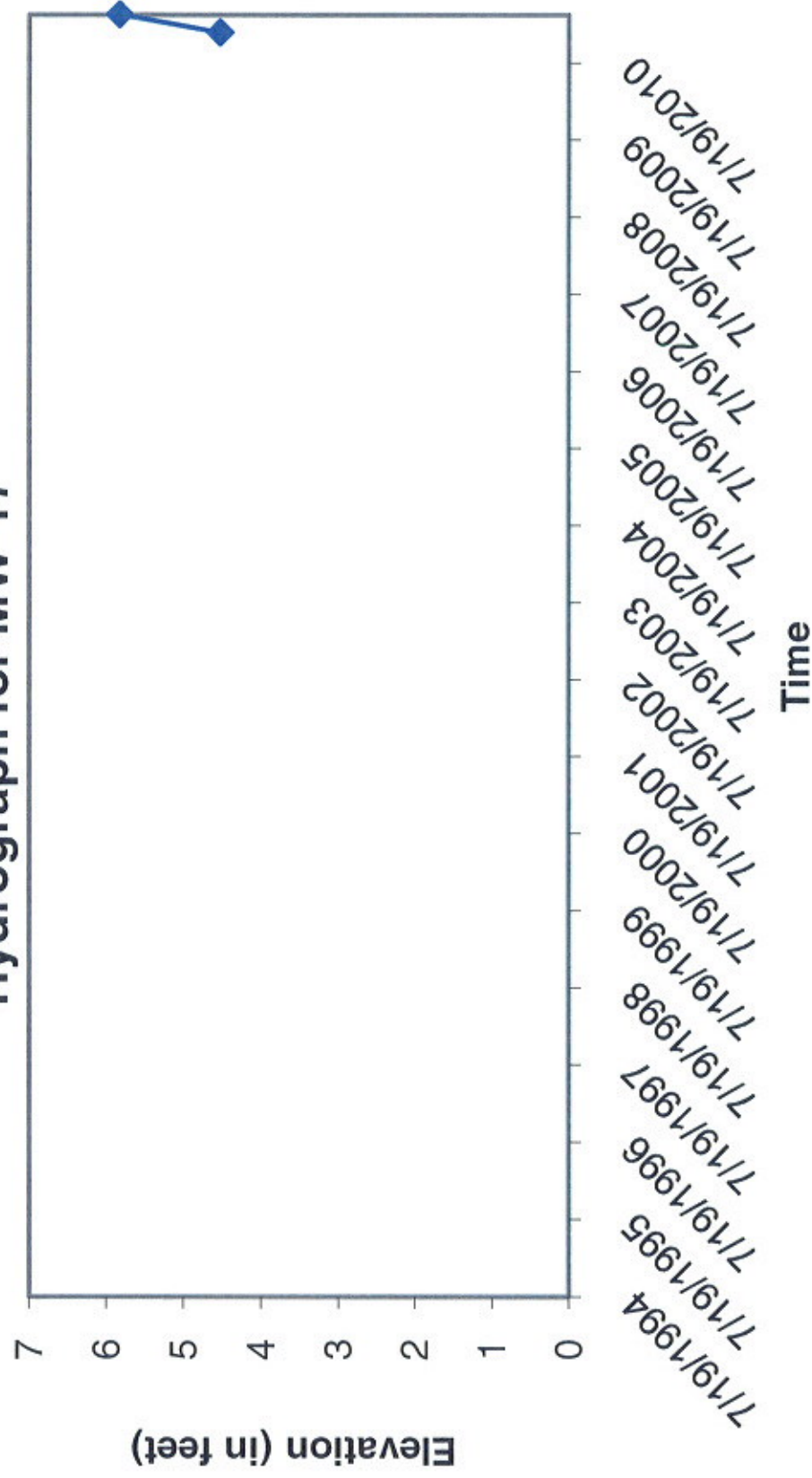
Hydrograph for MW-15



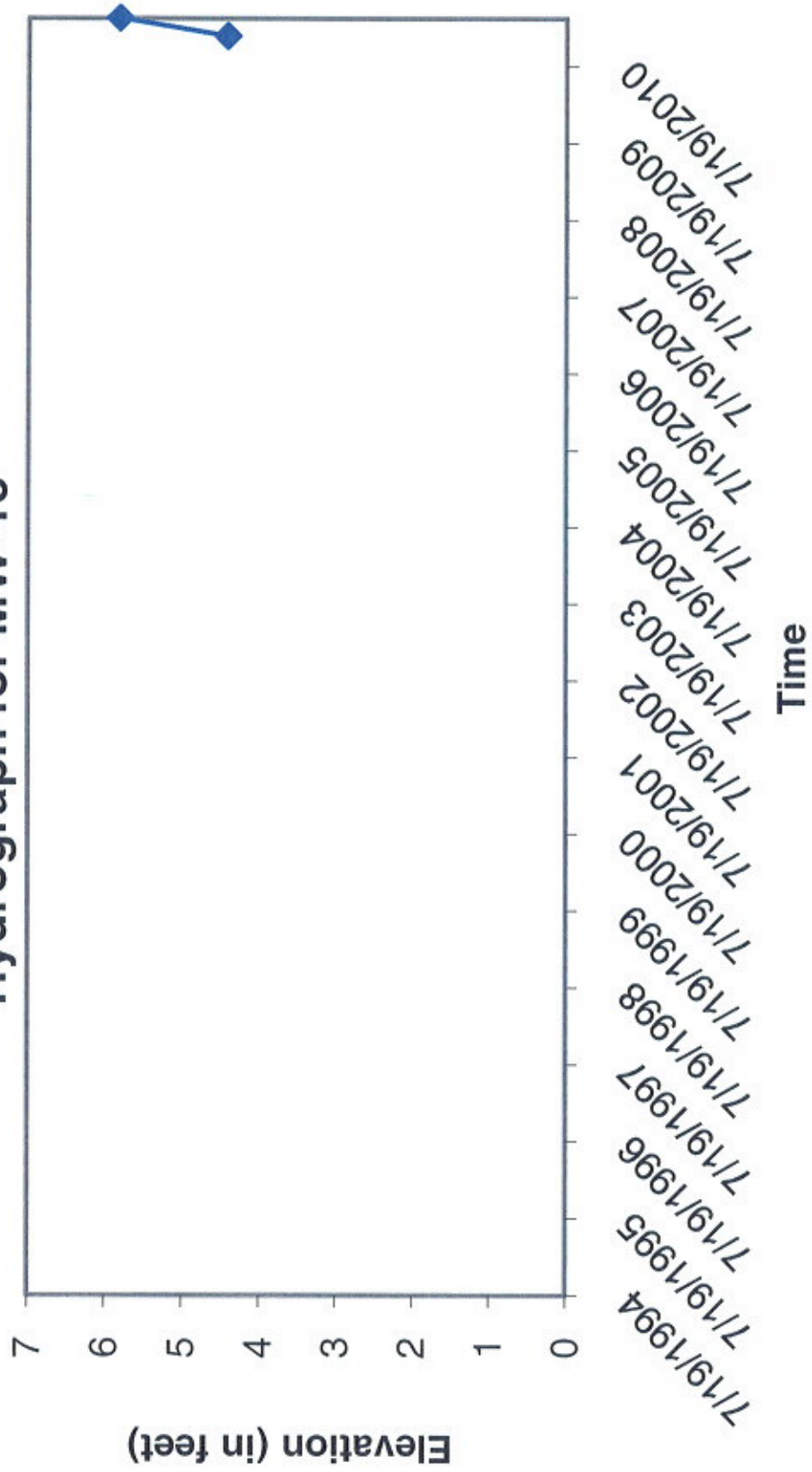
Hydrograph for MW-16



Hydrograph for MW-17



Hydrograph for MW-18



Hydrograph for MW-19

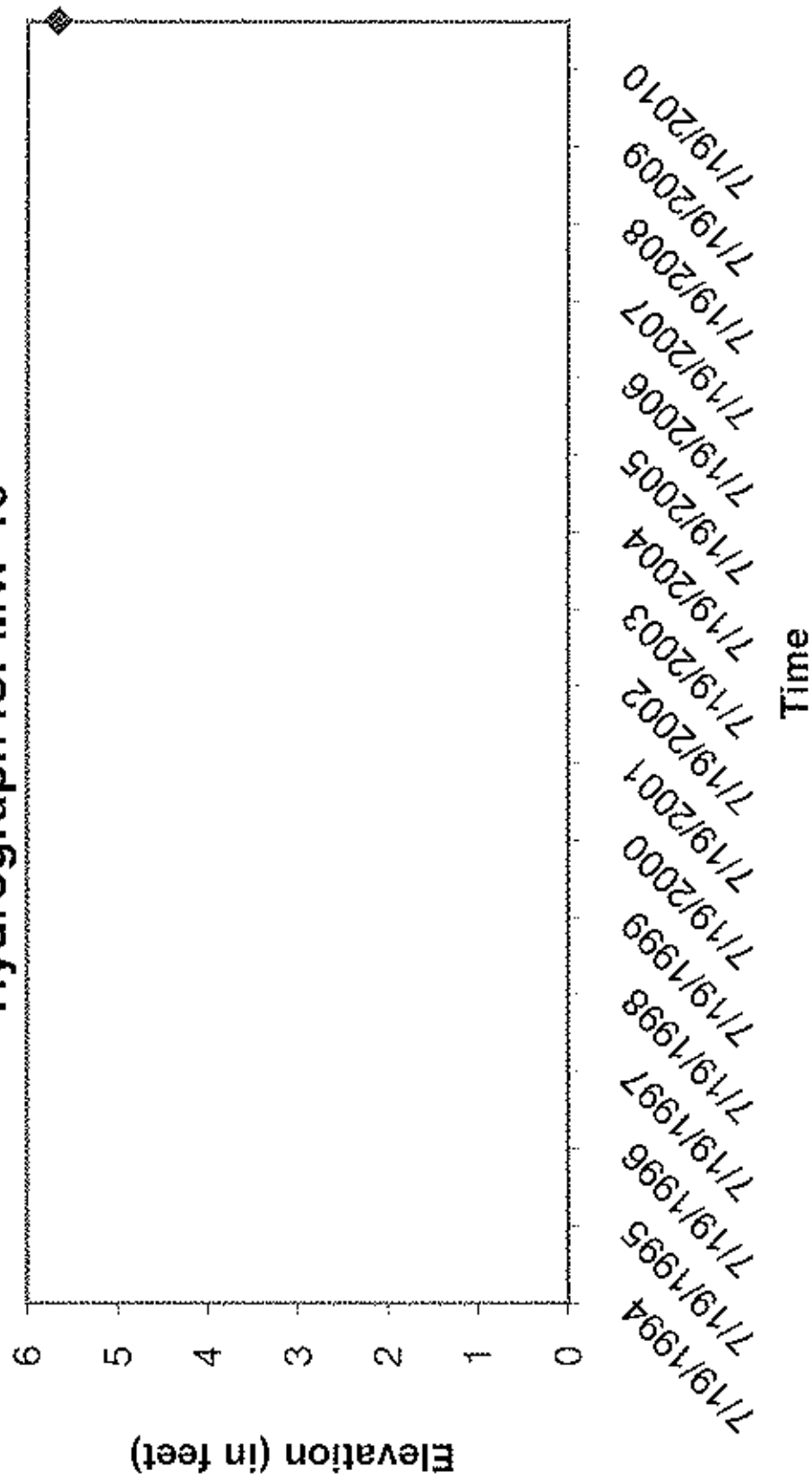


EXHIBIT 6

GROUNDWATER QUALITY DATA

EXHIBIT 6 – PART I

GROUNDWATER SAMPLING PROTOCOL

Exhibit 6 (Part I)

MONITORING WELL SAMPLING PROTOCOL

Presented in this appendix is a synopsis of the methodology employed by TEC personnel and representatives for retrieval of representative groundwater samples for all sampling events performed at the former refinery site. The sampling procedures followed by TEC are consistent with those recommended within the State of California Water Resources Control Board LUFT Manual (1989), the State Department of Water Resources Bulletin 74-81 (Water Well Standards; 1981), and the EPA Groundwater Handbook, Volume II-Methodology (1991), among others (refer to references contained herein).

6-1 WELL EVACUATION OR PURGING TECHNIQUE

Depth-to-groundwater is measured in each well prior to evacuation using either an electronic water level indicator or interface probe in order to calculate well casing volume. Different purging methods are followed for shallow wells with smaller well volumes which screen essentially unconfined aquifers (e.g., 75-foot well depth or less, or static water column height less than or equal to 40 feet) versus deeper wells or those wells with large casing volumes (e.g., greater than 40-foot height of static water column); such deeper wells frequently screen confined or semi-confined aquifers. These differences in purging methodology reflect both the need to achieve time efficiency and acquire representative samples (e.g., greater than 80 percent aquifer water), as well as the desire to minimize the volume of contaminated groundwater requiring special handling as hazardous waste, per CFR 40 Part 261 and CCR Title 22, Division 4.5 Regulations.

All wells currently installed at the site screen a shallow unconfined aquifer. The well evacuation and sampling technique for the shallow, unconfined-aquifer wells is accomplished with the use of dedicated disposable teflon bailers featuring bottom check balls. During well purging, multiple field measurements of pH, specific conductance, dissolved oxygen, and temperature of the groundwater are taken with a Hydac pH-conductivity meter generally after purging of one well volume. When the readings for each field parameter have stabilized to within one-tenth of a pH unit (but no before a minimum of three casing volumes have been evacuated), groundwater is considered representative of the formation fluid.

A minimum of three well volumes are evacuated for all shallow wells screening unconfined aquifers, given the greater potential for groundwater/atmosphere gas exchange (i.e., particularly CO₂ escape) or recharge of non-representative pore fluids through the vadose zone above unconfined aquifers, versus those deeper, semi-confined or confined aquifers which are not as readily affected directly by atmospheric chemistry. Stabilization of field parameters (pH, conductivity, temperature) generally occurs once three to five well volumes have been purged.

6-2 DECONTAMINATION

Following purging and sampling of deep wells with the submersible pump, the pump and associated discharge lines or hoses are decontaminated, consisting of rinsing with potable water, sodium bicarbonate detergent, and distilled water. Because dedicated teflon bailers are utilized for shallow well purging and sampling, decontamination for these wells is unnecessary, and thus cross-contamination potential is eliminated. Discharge line materials consist of either teflon tubing, wire-mesh-reinforced rubber hose or ½-inch diameter Schedule 40 PVC pipe attached in 10-foot sections by standard threaded PVC couplings. Couplings are glued to the PVC pipe sections using either Oatey or EZ-WELD PVC Primer and Cement, both of which contain the compounds methylethylketone (MEK), tetrahydrofuran, cyclohexanone and acetone. Reinforced hose is preferably utilized as discharge line, where possible, in order to minimize introduction of PVC-cement compounds into the groundwater sample. Should these compounds be present, however, they are easily discriminated in chromatograph analysis, if pump blanks or discharge-line blanks are collected for comparison.

All purged fluids and submersible pump decontamination rinsate are either removed via vacuum truck or are contained in 55-gallon DOT drums, which are appropriately labeled with contents, date and well number. DOT drums are either subsequently transported to an off-site TSD facility for disposal, or their contents are introduced into an available on-site wastewater treatment system.

6-3 SAMPLE COLLECTION AND STORAGE

After the well is sufficiently evacuated, samples are collected at a low flow rate to minimize volatilization, using the dedicated disposable teflon bailers or submersible pumps. Samples are collected in containers with the appropriate preservative, if required, as provided by the analytical laboratory, in accordance with methods and procedures for wastewater/effluent preservation described in 40 CFR Part 136 (Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, EPA "600 Series"; or in EPA SW-846 "Test Methods for Evaluating Solid Waste", EPA "8,000 Series"). Samples are introduced into their appropriate containers by overfilling to eliminate headspace and trapped air bubbles which might otherwise hasten volatilization of purgeable target compounds.

Each sample container is clearly marked with the well number, project name, date and time of collection, and the laboratory analyses requested. Sample containers are stored at 4°C in coolers with blue ice packs immediately after collection. The samples are stored in this manner until picked up by representatives of the analytical laboratory, or delivered directly to the State DOHS-certified laboratory by TEC personnel. Samples are generally delivered to the laboratory within a 24-hour period following sample collection.

6-4 CHAIN-OF-CUSTODY

A chain-of-custody record is maintained on all samples, either a standard TEC form or a form provided by the analytical laboratory. The laboratory custodian verifies that the sample containers are properly secured and correctly identified upon receipt. The samples are then relinquished by the appropriate TEC representative subsequent to laboratory receipt signature. The laboratory employees enter each container into a log book and assign the work to an analyst.

6-5 QUALITY ASSURANCE/QUALITY CONTROL

For purposes of QA/QC, a minimum of one duplicate sample and one "pump blank" per analytical sample batch are typically collected by TEC, unless more of such samples are requested by the lead regulatory agency or client. As a rule, one pump blank or discharge line blank is collected following decontamination of the submersible pump following purging/sampling of each deep well. If PVC piping is utilized as a discharge line for the submersible pump, one pump blank is also collected prior to purging the first deep well in the series.

6-6 REFERENCES

- California Department of Water Resources, 1981, Water Well Standards: State of California, 92p.
- California Water Resources Control Board, 1989, Revised Leaking Underground Fuel Tank Field Manual: 62p.
- U.S. Environmental Protection Agency, 1986, Test Methods for Evaluating Solid Waste-EPA SW846, 3rd Edition: prepared by the Office of Solid Waste and Emergency Response, 538p.
- U.S. Environmental Protection Agency, 1991, Groundwater Handbook, Volume II: Methodology: prepared by Office of Research and Development, 141p.

U.S. Office of the Federal Register, 1989, Code of Federal Regulations: CFR 40, Part 136 -
Guidelines for Establishing Test Procedures for the Analyses of Pollutants under the Clean
Water Act: revised edition dated July 1, 1989.

EXHIBIT 6 – PART II

TABULATION OF ANALYTICAL RESULTS FOR GROUNDWATER

EXHIBIT 6 – PART II
TABULATION OF ANALYTICAL RESULTS FOR GROUNDWATER

Groundwater samples have been retrieved from select wells at the site since late 1988. A tabulation of analytical results for groundwater for all samples retrieved has been compiled for data generated from 1988 to 1994. Compilation of data from 1994 to the present is in progress, and will be provided at a later date.

TABLE EXHIBIT 5-f
SUMMARY OF ANALYTICAL DATA
FORMER CHEMOIL REFINERY

Well No.	Date	INORGANIC PARAMETERS(a)					AROMATIC ORGANIC PARAMETERS(a)										OTHER ORGANIC PARAMETERS(a)				
		Arsenic	Chlorides	Lead	Nickel	Zinc	Total Organic Carbon	Total Organic Halogens	Benzene	Ethylbenzene	Toluene	Xylene	Chloroform	1,2-DCA(b)	TCE(g)	Methylene Chloride	Phenols	1,1,1-TCA(b)	PCP(d)	Vinyl Chloride	1,2-Dichlorobenzene
MW1A	4/12/88	NA	NA	NA	NA	207	NA	ND(0.0005)	11.8	ND(0.0005)	0.524	ND(0.0005)	NA	ND(0.0005)	ND(0.0005)	0.28	ND(0.0005)	NA	ND(0.0001)	ND(0.0005)	ND(0.0005)
	9/27/88		530			113	ND(0.0005)	ND(0.0005)	0.27	ND(0.0005)	0.5	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	NA	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	
	3/30/89		531			115	0.0041	ND(0.0005)	ND(0.0005)	ND(0.0001)	0.252	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0001)	ND(0.0002)	ND(0.0005)	
	9/25/89		449			127	0.007	0.009	0.059	0.003	0.21	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	0.003	ND(0.0001)	ND(0.0001)	ND(0.0005)	
	3/26/90		491			127	0.005	ND(0.0001)	ND(0.0001)	ND(0.0002)	0.61	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0005)	ND(0.0005)	ND(0.0002)	ND(0.0001)	ND(0.0001)	ND(0.0005)	
	5/10/90		305			120	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0001)	ND(0.0001)	ND(0.0005)	
	3/4/91		310			200	ND(0.0005)	ND(0.0005)	0.026	ND(0.0005)	0.029	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	
	9/30/91		540			NA	0.0038	0.014	0.014	ND(0.0002)	0.014	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0005)	
	3/5/92		844			123	0.00512	0.0216	0.0216	0.0547	0.03855	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	
	8/25/92		1506			115	ND(0.0005)	0.011	0.011	0.011	0.01	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	
	3/12/93		506			130	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	
	9/13/93		640			160	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.0005)	
	3/17/94		620			120	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.0005)	

TABLE EXHIBIT 5-1
SUMMARY OF ANALYTICAL DATA
FORMER CHEMOIL REFINERY

Well No.	Date	INORGANIC PARAMETERS(a)					AROMATIC ORGANIC PARAMETERS(a)										OTHER ORGANIC PARAMETERS(a)				
		Arsenic	Chlorides	Lead	Nickel	Zinc	Total Organic Carbon	Total Organic Halogens	Benzene	Ethylbenzene	Toluene	Xylene	Chloroform	1,2-DCA(b)	TCE(g)	Methylene Chloride	Phenols	1,1,1-TCA(c)	PCE(d)	Vinyl Chloride	1,2-Dichlorobenzene
KW-2	11/4/85	NA	NA	NA	NA	5.8	NA	NA	ND(0.0007)	ND(0.0007)	ND(0.0007)	NA	ND(0.007	ND(0.0007	NA	ND(0.007	ND(0.01	ND(0.0007	NA	ND(0.007	ND(0.0005)
	8/2/86	38.4	38.4	NA	NA	NA	NA	0.001	ND(0.0005	ND(0.0005	ND(0.0005	NA	0.0001	0.0016	NA	ND(0.0005	NA	ND(0.0005	NA	NA	ND(0.0005)
	12/22/86	NA	NA	2.5	2.5	2.5	2.5	0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.002	0.0011	0.001	ND(0.0005	0.0007	ND(0.05	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005)
	3/12/87	870	870	2	2	2	2	0.0007	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.0011	0.002	ND(0.0005	0.0007	0.49	ND(0.0005	ND(0.0005	ND(0.0007	ND(0.0005)
	6/10/87	840	840	ND1	ND1	ND1	ND1	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.0021	0.0016	ND(0.0005	ND(0.001	ND(0.05	ND(0.0005	ND(0.0005	ND(0.001	ND(0.0005)
	9/22/87	480	480	102	102	102	102	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.0037	0.001	ND(0.0005	ND(0.0005	ND(0.05	ND(0.0005	ND(0.0005	ND(0.001	ND(0.0005)
	4/1/88	995	995	107	107	107	107	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.0022	0.0044	ND(0.0002	ND(0.002	NA	ND(0.0002	ND(0.0002	ND(0.0005	ND(0.0005)
	9/21/88	780	780	5.1	5.1	5.1	5.1	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.0048	0.0059	NA	ND(0.002	NA	ND(0.0002	NA	ND(0.0005	ND(0.0005)
	3/30/89	800	800	4.9	4.9	4.9	4.9	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.0037	0.0037	NA	ND(0.002	NA	ND(0.0002	NA	ND(0.0005	ND(0.0005)
	9/25/89	878	878	2.3	2.3	2.3	2.3	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.0036	0.0037	NA	ND(0.002	NA	ND(0.0002	NA	ND(0.0005	ND(0.0005)
	4/2/90	851	851	4	4	4	4	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.0036	0.0037	NA	ND(0.002	NA	ND(0.0002	NA	ND(0.0005	ND(0.0005)
	9/10/90	220	220	ND10	ND10	ND10	ND10	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.0036	0.0037	NA	ND(0.002	NA	ND(0.0002	NA	ND(0.0005	ND(0.0005)
	3/4/91	370	370	ND10	ND10	ND10	ND10	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.0036	0.0037	NA	ND(0.002	NA	ND(0.0002	NA	ND(0.0005	ND(0.0005)
	9/30/91	780	780	NA	NA	NA	NA	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.0036	0.0037	NA	ND(0.002	NA	ND(0.0002	NA	ND(0.0005	ND(0.0005)
	3/5/92	993	993	3.6	3.6	3.6	3.6	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.0036	0.0037	NA	ND(0.002	NA	ND(0.0002	NA	ND(0.0005	ND(0.0005)
	8/26/92	1300	1300	4.02	4.02	4.02	4.02	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.0036	0.0037	NA	ND(0.002	NA	ND(0.0002	NA	ND(0.0005	ND(0.0005)
	3/12/93	630	630	ND10	ND10	ND10	ND10	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.0036	0.0037	NA	ND(0.002	NA	ND(0.0002	NA	ND(0.0005	ND(0.0005)
	9/13/93	660	660	ND10	ND10	ND10	ND10	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.0036	0.0037	NA	ND(0.002	NA	ND(0.0002	NA	ND(0.0005	ND(0.0005)
	3/17/94	510	510	ND10	ND10	ND10	ND10	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.0036	0.0037	NA	ND(0.002	NA	ND(0.0002	NA	ND(0.0005	ND(0.0005)

TABLE EXHIBIT 5-1
SUMMARY OF ANALYTICAL DATA
FORMER CHEMOIL REFINERY

Well No.	Date	INORGANIC PARAMETERS(a)					AROMATIC ORGANIC PARAMETERS(a)										OTHER ORGANIC PARAMETERS(a)				
		Chlorides	Lead	Nickel	Zinc	Total Organic Carbon	Total Organic Hydrogens	Benzene	Ethylbenzene	Toluene	Xylene	Chloroform	1,2-DCA(b)	TCE(g)	Methylene Chloride	Phenols	1,1,1-TCA(c)	PCE(g)	Vinyl Chloride	1,2-Dichlorobenzene	
MW-3	7/14/85	NA(a)	NA	NA	NA	24	NA	ND(0.0007)(i)	ND(0.0007	ND(0.0007	NA	ND(0.005	ND(0.007	NA	ND(0.007	0.02	ND(0.007	NA	ND(0.007	ND(0.005)	
	6/2/85	800				NA	0.0014	0.02	ND(0.0005	NA	ND(0.0005	ND(0.0005	ND(0.0005	NA	ND(0.0005	NA	ND(0.0005	NA	NA	ND(0.005)	
	12/22/85	NA				10	0.008	0.018	ND(0.0005	0.0055	ND(0.0005	ND(0.0005	ND(0.0001	ND(0.0005	0.0005	ND(0.05	ND(0.0005	ND(0.0005	ND(0.005	ND(0.005)	
	3/11/87	470				ND(1	ND(0.0005	0.013	ND(0.0005	0.0039	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.57	ND(0.0005	ND(0.0005	ND(0.005	ND(0.005)	
	5/11/87	610				ND(1	0.0012	0.014	ND(0.0005	0.0017	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.05	ND(0.0005	ND(0.0005	ND(0.001	ND(0.005)	
	9/3/87	668				68	ND(0.0005	0.0106	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.0007	ND(0.001	ND(0.05	ND(0.0012	0.0007	ND(0.0005	ND(0.005)	
	4/11/88	580				257	0.0022	0.0385	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0002	ND(0.0005	0.0009	ND(0.0016	NA	ND(0.0005	0.0009	ND(0.0005	ND(0.005)	
	9/21/88	480				11.3	0.0011	0.0068	ND(0.0005	0.00073	ND(0.0005	ND(0.0002	ND(0.0002	0.00053	ND(0.0005		ND(0.0002	0.00053	NA	ND(0.005)	
	3/30/89	861				10	0.0001	0.006	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0002	ND(0.0002	NA	ND(0.0002		ND(0.0002	NA	ND(0.0002	ND(0.005)	
	9/25/89	925				9.6	0.0012	0.0034	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0002	ND(0.0002	NA	ND(0.0002		ND(0.0002	NA	ND(0.0002	ND(0.005)	
	4/2/90	944				11.6	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0002	0.002	0.0024	ND(0.0002		ND(0.0002	0.0002	ND(0.0002	ND(0.005)	
	9/10/90	1050				14	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.002	ND(0.0005		ND(0.0005	0.002	ND(0.0005	ND(0.005)	
	3/4/91	1100				17	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.0028	ND(0.0005		ND(0.0005	ND(0.0005	ND(0.0005	ND(0.005)	
	9/30/91	780				NA	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	0.0029	ND(0.0005		ND(0.0005	ND(0.0005	ND(0.0005	ND(0.005)	
	3/5/92	883				9.3	0.005848	0.00894	0.00127	0.00113	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005		ND(0.0005	ND(0.0005	ND(0.0005	ND(0.005)	
	8/26/92	1300				10.3	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	5	ND(0.0005		ND(0.0005	ND(0.0005	ND(0.0005	ND(0.005)	
	3/12/93	740				11	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005		ND(0.0005	ND(0.0005	ND(0.0005	ND(0.005)	
	9/13/93	640				ND(10	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005		ND(0.0005	ND(0.0005	ND(0.0005	ND(0.005)	
	3/17/94	660				ND(10	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005		ND(0.0005	ND(0.0005	ND(0.0005	ND(0.005)	

**TABLE EXHIBIT 5-1
SUMMARY OF ANALYTICAL DATA
FORMER CHEMOIL REFINERY**

Well No.	Date	INORGANIC PARAMETERS(a)					AROMATIC ORGANIC PARAMETERS(a)										OTHER ORGANIC PARAMETERS(a)				
		Lead	Chlorides	Arsenic	Zinc	Total Organic Carbon	Total Organic Halogens	Benzene	Ethylbenzene	Toluene	Xylene	Chloroform	1,2 DCA(b)	TCE(g)	Methylene Chloride	Phenols	1,1,1-TCAA	PCE(d)	Vinyl Chloride	1,2-Dichlorobenzene	
MW-10	4/13/88	NA	NA	NA(e)	NA	32.2	NA	ND(0.0005)(f)	ND(0.0005)	ND(0.0007	ND(0.5	ND(0.0005	ND(0.0005	NA	ND(0.0005	ND(0.05	ND(0.0005	NA	ND(0.05	ND(0.0005)	
	9/23/88					14.5		ND(0.01	ND(0.01	ND(0.01	ND(0.01	ND(0.01	ND(0.01		ND(0.005	0.03	ND(0.01	NA	ND(0.0005	ND(0.0005)	
	3/31/89					15.2		ND(0.0005	ND(0.0005	ND(0.0025	ND(0.005	ND(0.002	ND(0.002		ND(0.002	NA	ND(0.0002	NA	ND(0.002	ND(0.0005)	
	9/26/89					22		ND(0.001	ND(0.001	ND(0.001	ND(0.001	ND(0.001	ND(0.001		ND(0.005		ND(0.0001	NA	ND(0.001	ND(0.0005)	
	4/2/90					15.9		ND(0.001	ND(0.001	ND(0.002	ND(0.001	ND(0.001	ND(0.001		ND(0.005		ND(0.0001	ND(0.001	ND(0.001	ND(0.0005)	
	9/10/90					0.013		ND(0.001	ND(0.001	ND(0.001	ND(0.001	ND(0.001	ND(0.001		ND(0.005		ND(0.0001	ND(0.001	ND(0.001	ND(0.0005)	
	3/4/91					0.016		ND(0.001	ND(0.001	ND(0.001	ND(0.001	ND(0.001	ND(0.001		ND(0.005		ND(0.0001	ND(0.001	ND(0.001	ND(0.0005)	
	9/30/91					NA		ND(0.002	ND(0.002	ND(0.002	ND(0.002	ND(0.002	ND(0.002		ND(0.002		ND(0.0002	ND(0.002	ND(0.002	ND(0.0005)	
	3/5/92					8.9		0.0013	0.00215	ND(0.0005	0.00307	ND(0.0005	ND(0.0005		ND(0.0005		ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005)	
	8/26/92					6.81		ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005		ND(0.0005		ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005)	
	3/12/93					200		ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005		ND(0.0005		ND(0.0005	ND(0.0005	ND(0.0005	ND(0.0005)	
	9/13/93					ND(10		ND(0.005	ND(0.005	ND(0.005	ND(0.005	ND(0.005	ND(0.005		ND(0.005		ND(0.005	ND(0.005	ND(0.005	ND(0.0005)	
	3/17/94					ND(10		ND(0.005	ND(0.005	ND(0.005	ND(0.005	ND(0.005	ND(0.005		ND(0.005		ND(0.005	ND(0.005	ND(0.005	18	

(a) Concentrations reported in mg/l (milligrams per liter) (parts per million)

(b) 1,2 DCA = 1,2 Dichloroethane

(c) 1,1,1 TCA = 1,1,1 Trichloroethane

(d) PCE = Tetrachloroethylene (Tetrachloromethane)

(e) NA = Not Analyzed

(f) ND = Not Detected at detection limits indicated

(g) TCE = Trichloroethylene

EXHIBIT 6 – PART III

GRAPHS ILLUSTRATING DISSOLVED HYDROCARBONS FLUCTUATIONS WITH TIME

Exhibit 6

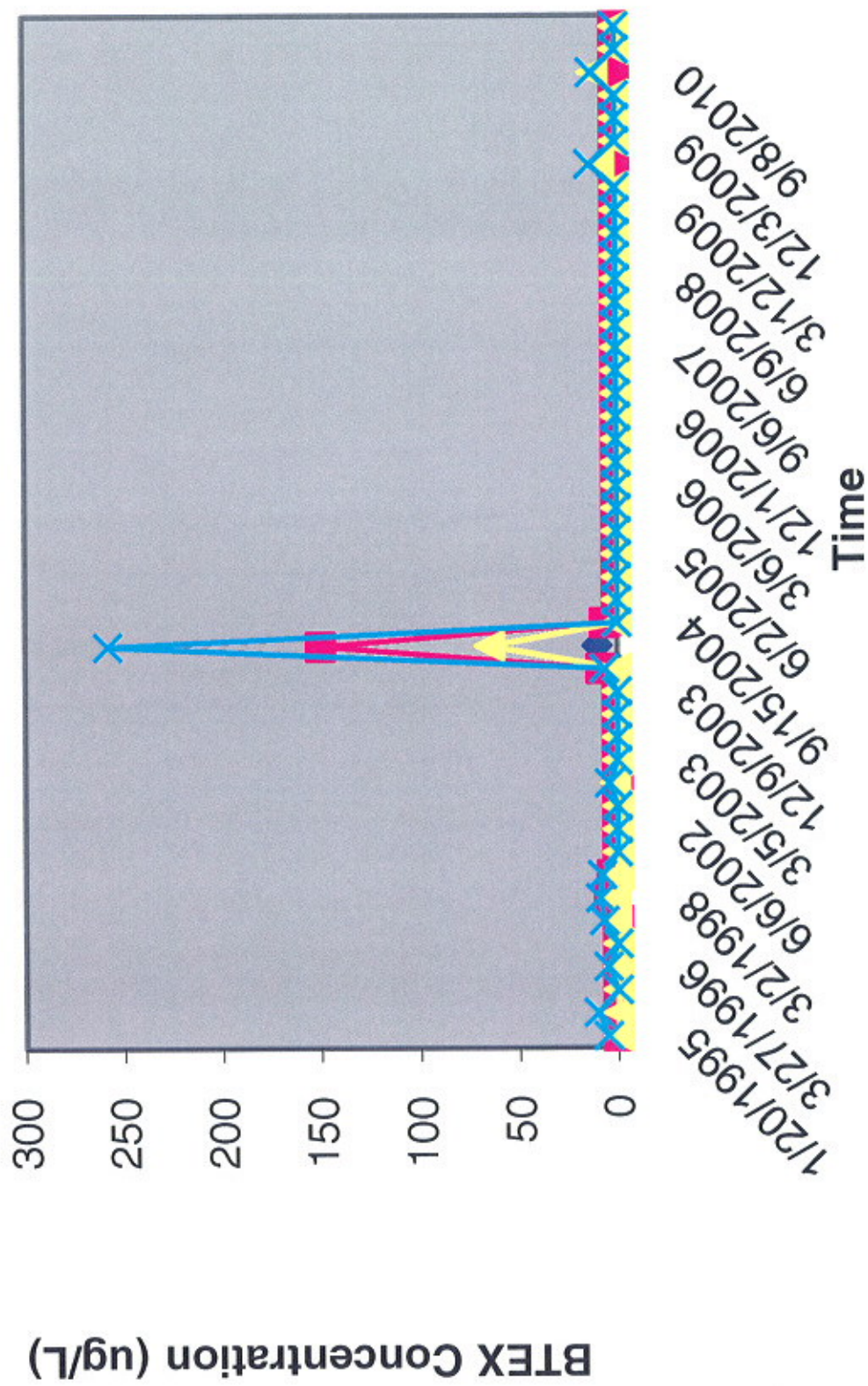
Part III

Graphs Showing BTEX Concentration Fluctuations with Time

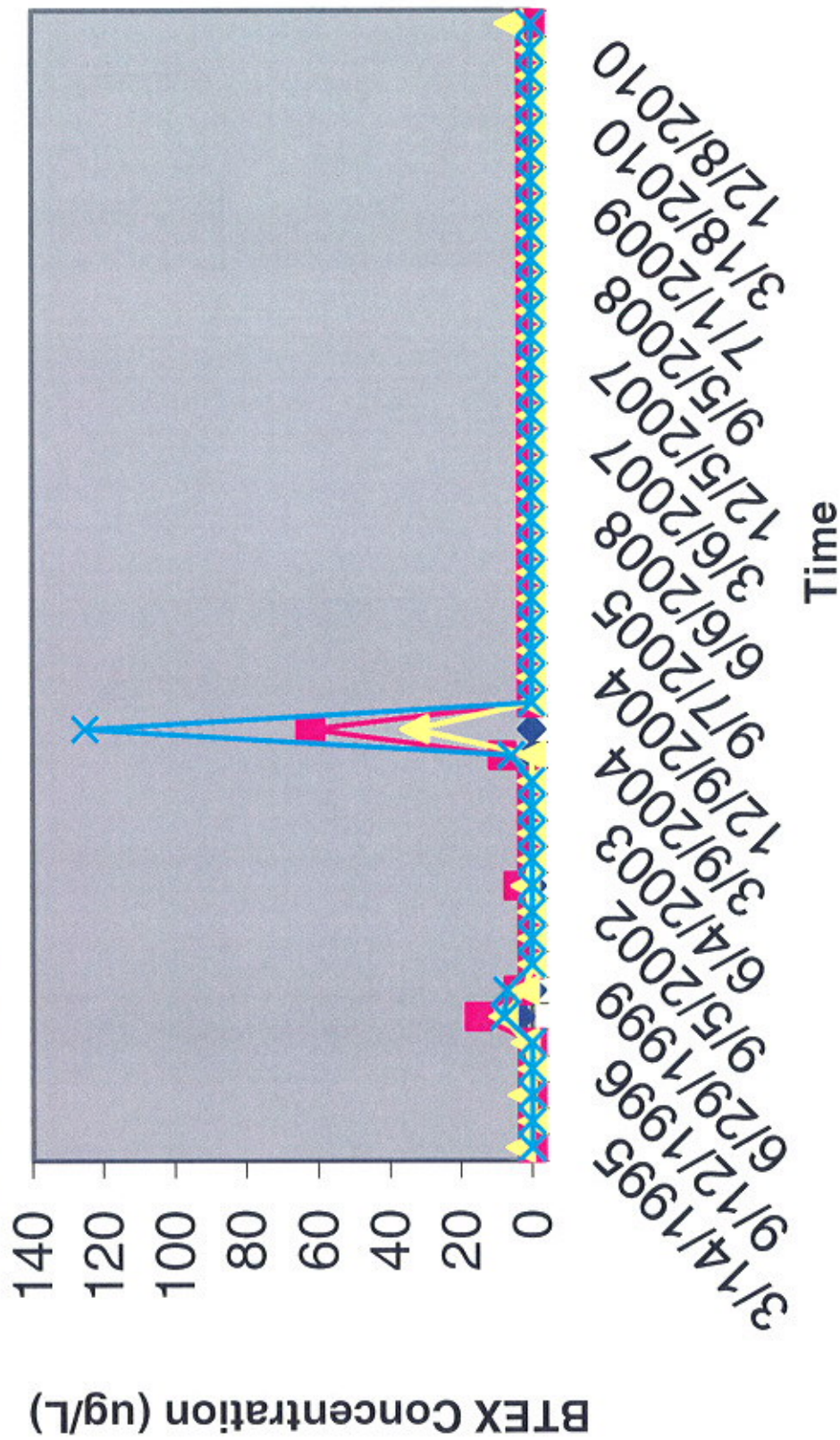
This appendix contains graphs illustrating fluctuations in dissolved BTEX concentrations in groundwater with time for the period from January 1995 through March 2011. Graphs are presented for wells MW-1, MW-1A, MW-3, MW-8 through MW-19. MW-2 is not included since dissolved BTEX has never been reported for this well. Concentrations of benzene, toluene, ethylbenzene and total xylenes are color coded as follows:

Benzene	Dark blue
Toluene	Red
Ethylbenzene	Yellow
Total Xylenes	Aquamarine

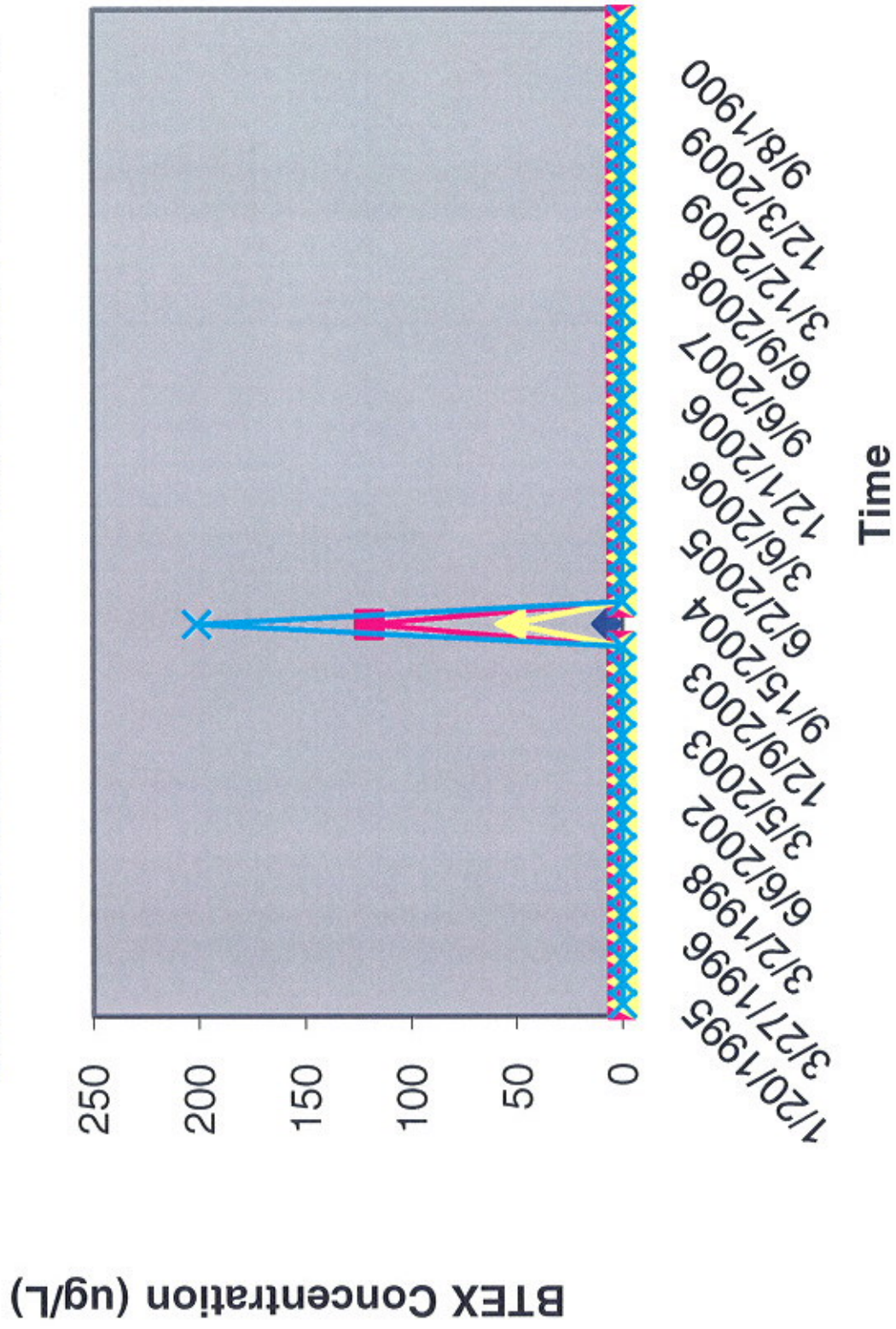
BTEX CONCENTRATION WITH TIME FOR MW-1



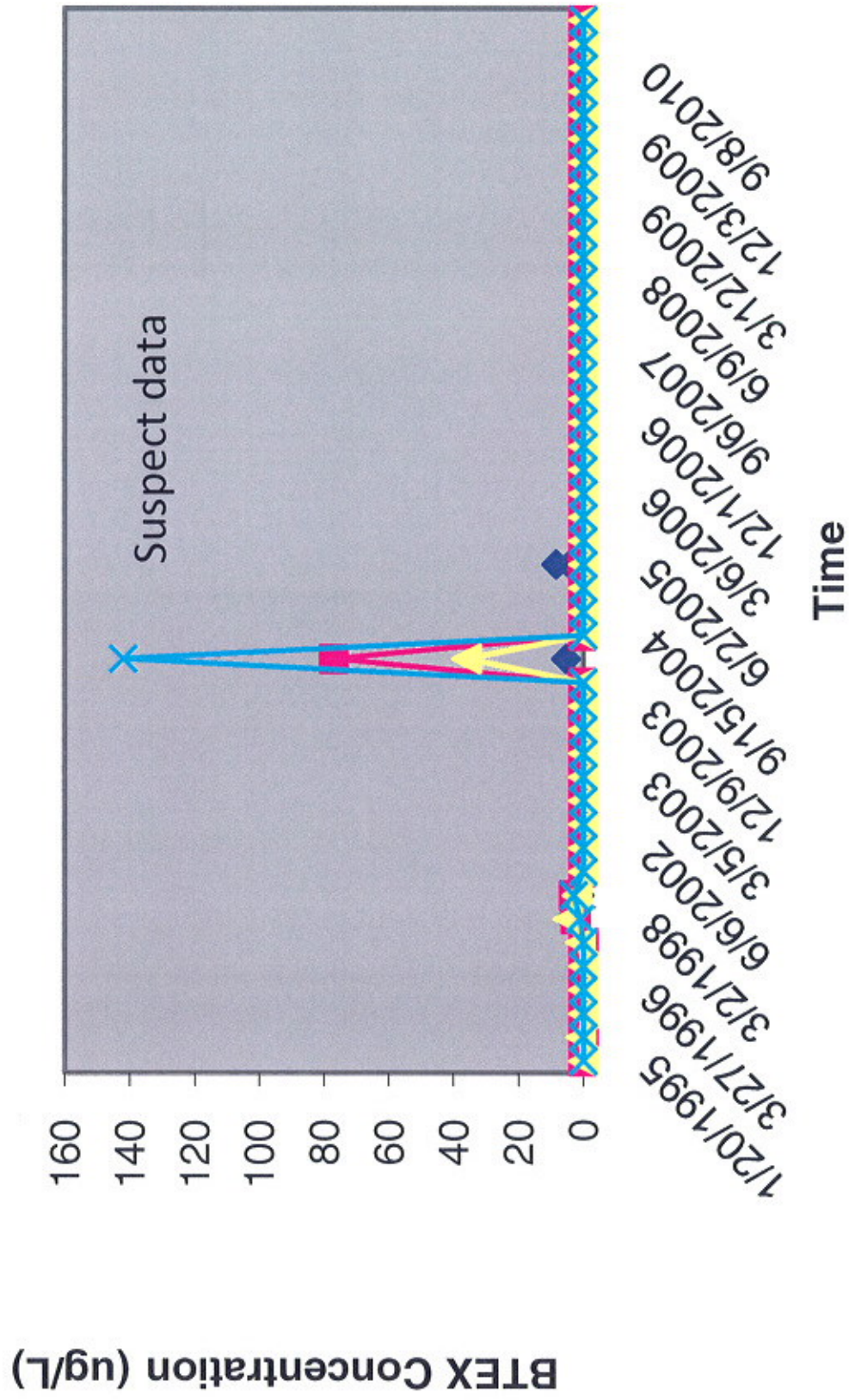
BTEX CONCENTRATION WITH TIME FOR MW-1A



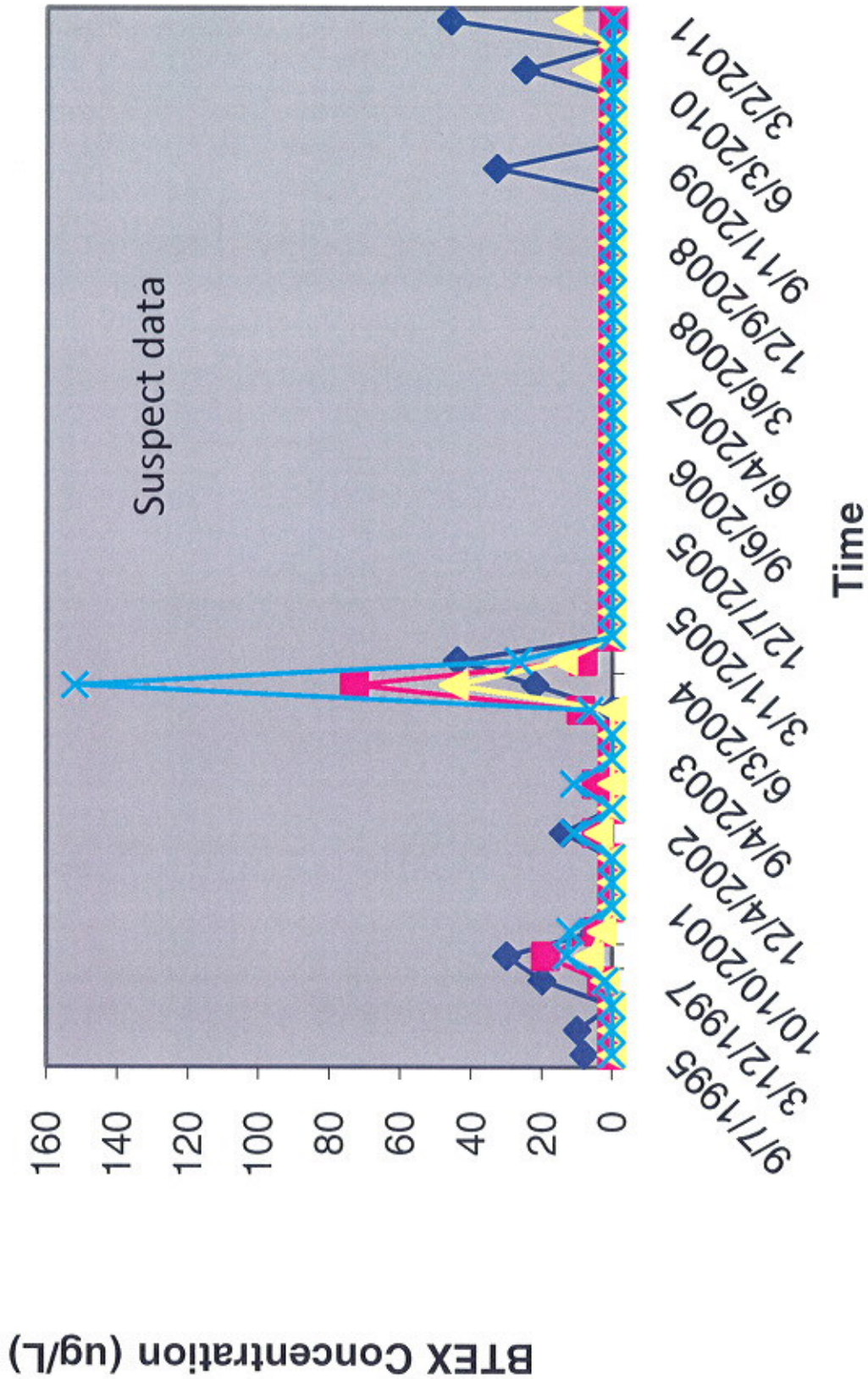
BTEX CONCENTRATION WITH TIME FOR MW-2



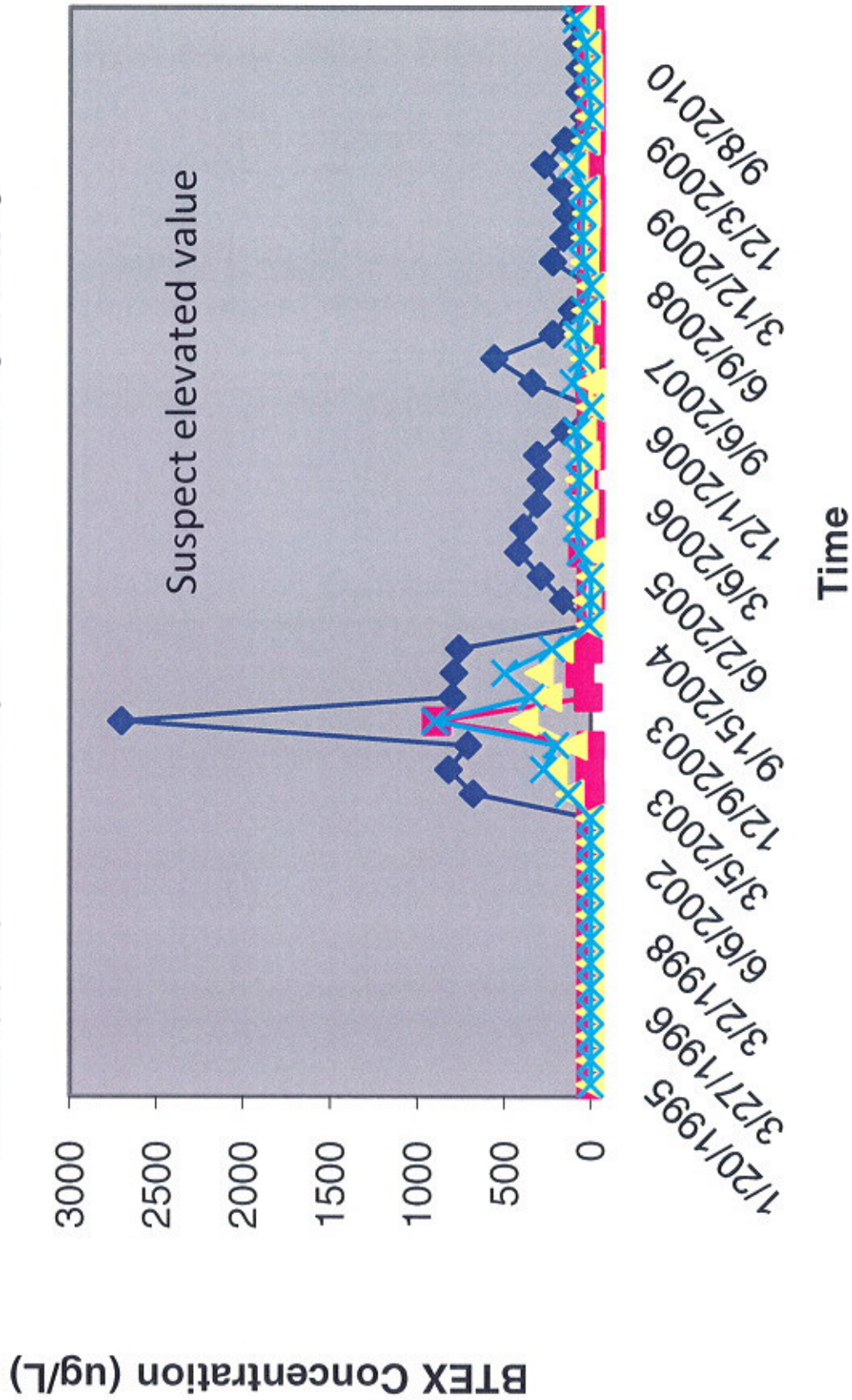
BTEX CONCENTRATION WITH TIME FOR MW-3



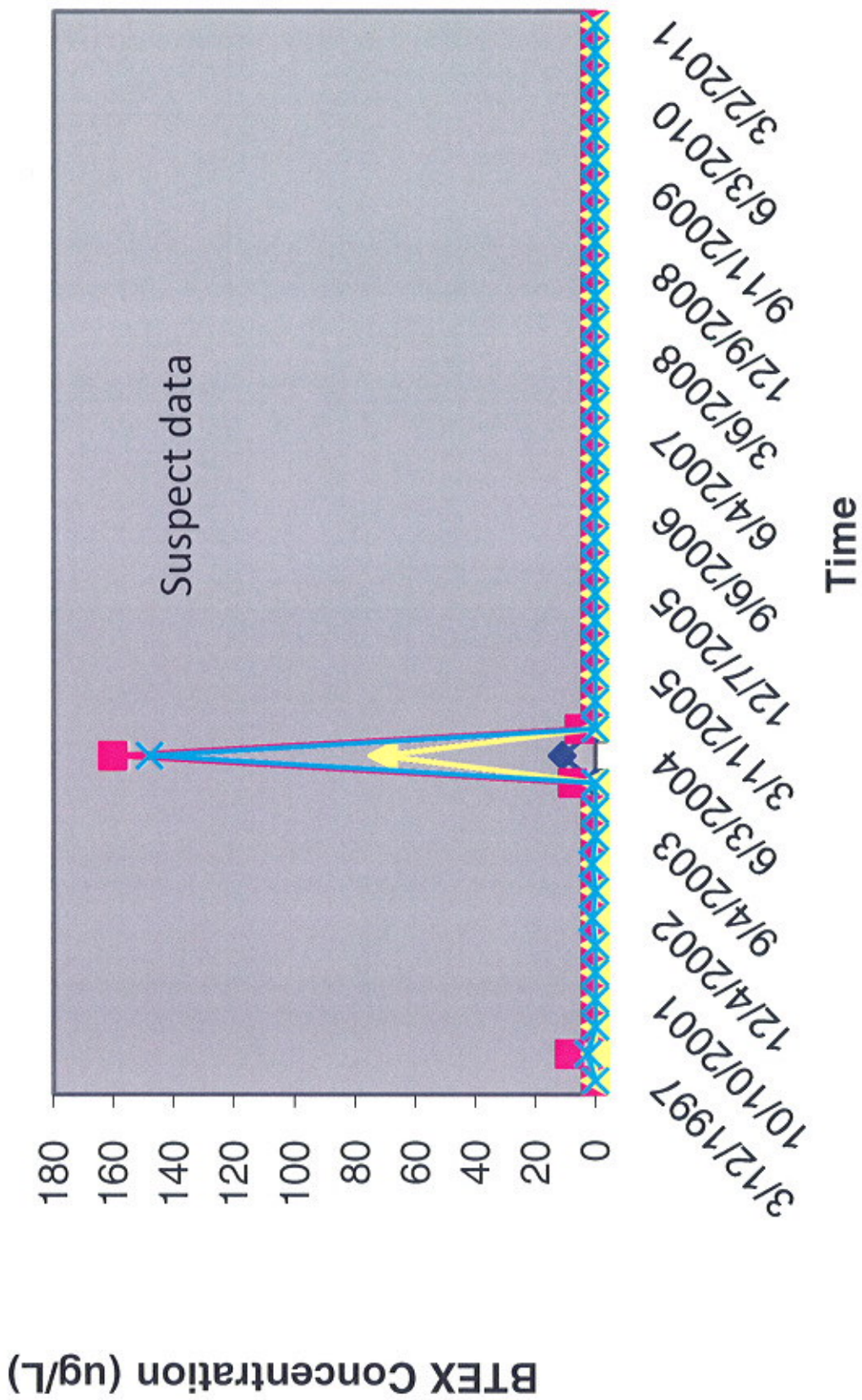
BTEX CONCENTRATION WITH TIME FOR MW-8



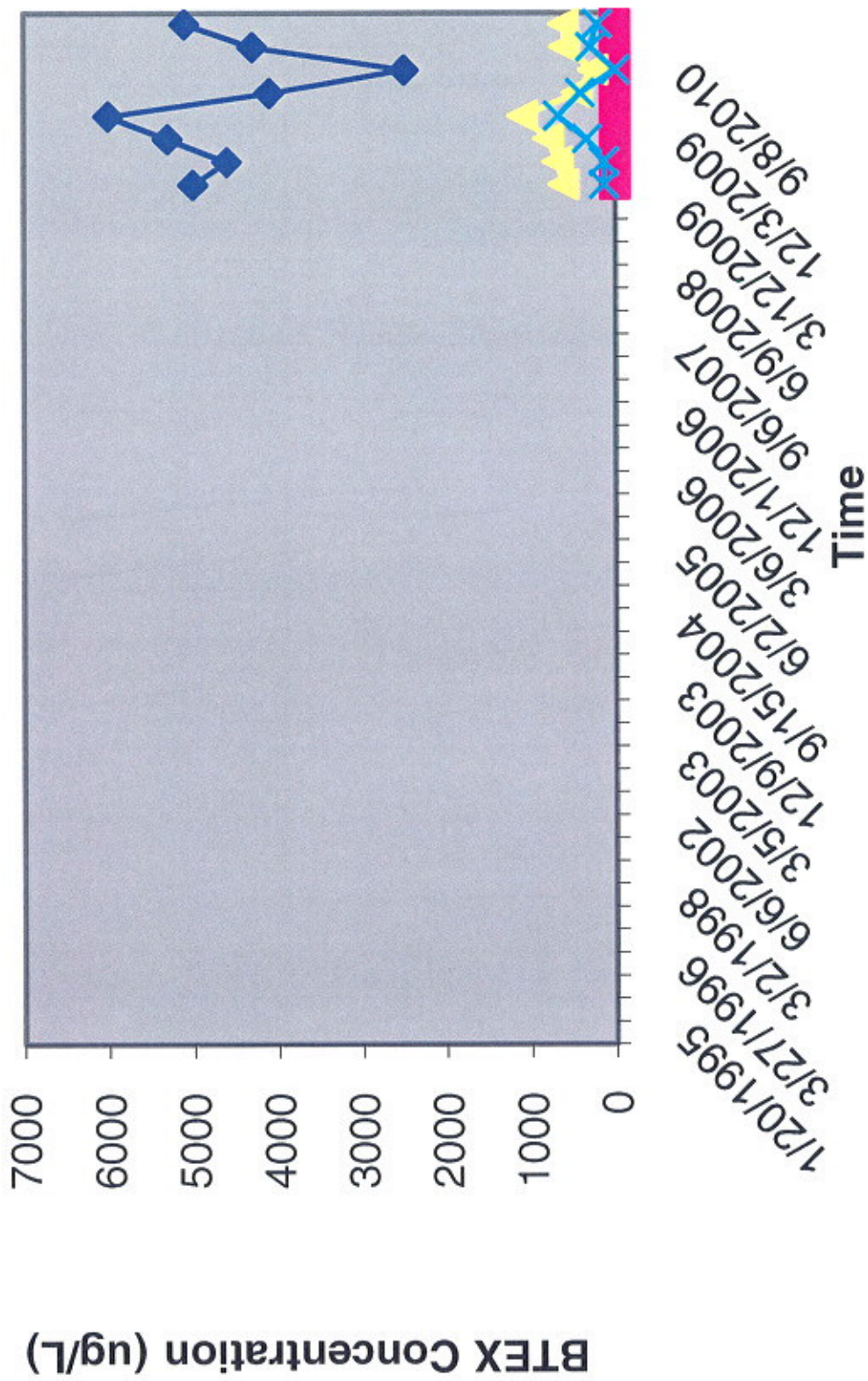
BTEX CONCENTRATION WITH TIME FOR MW-9



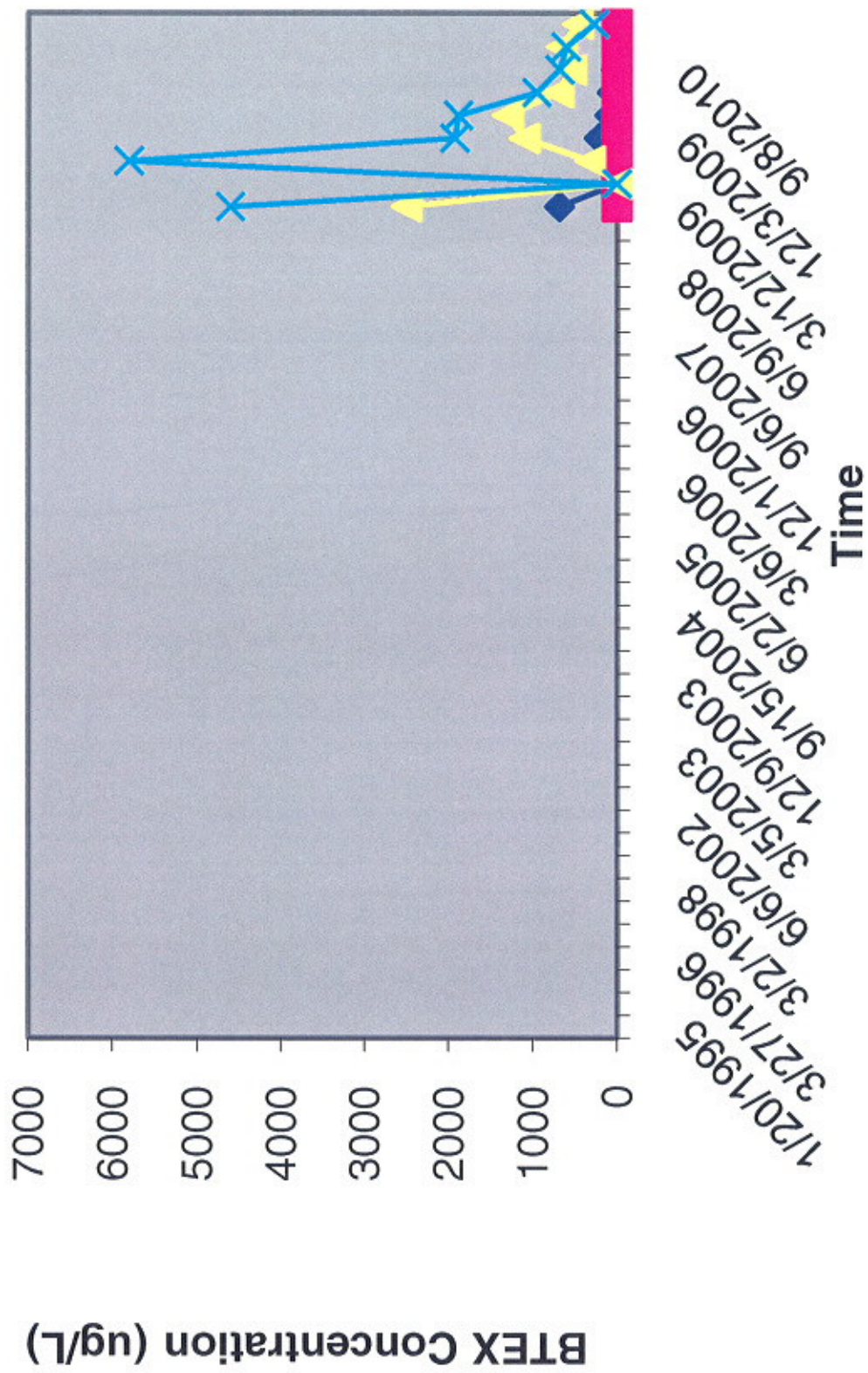
BTEX CONCENTRATION WITH TIME FOR MW-10



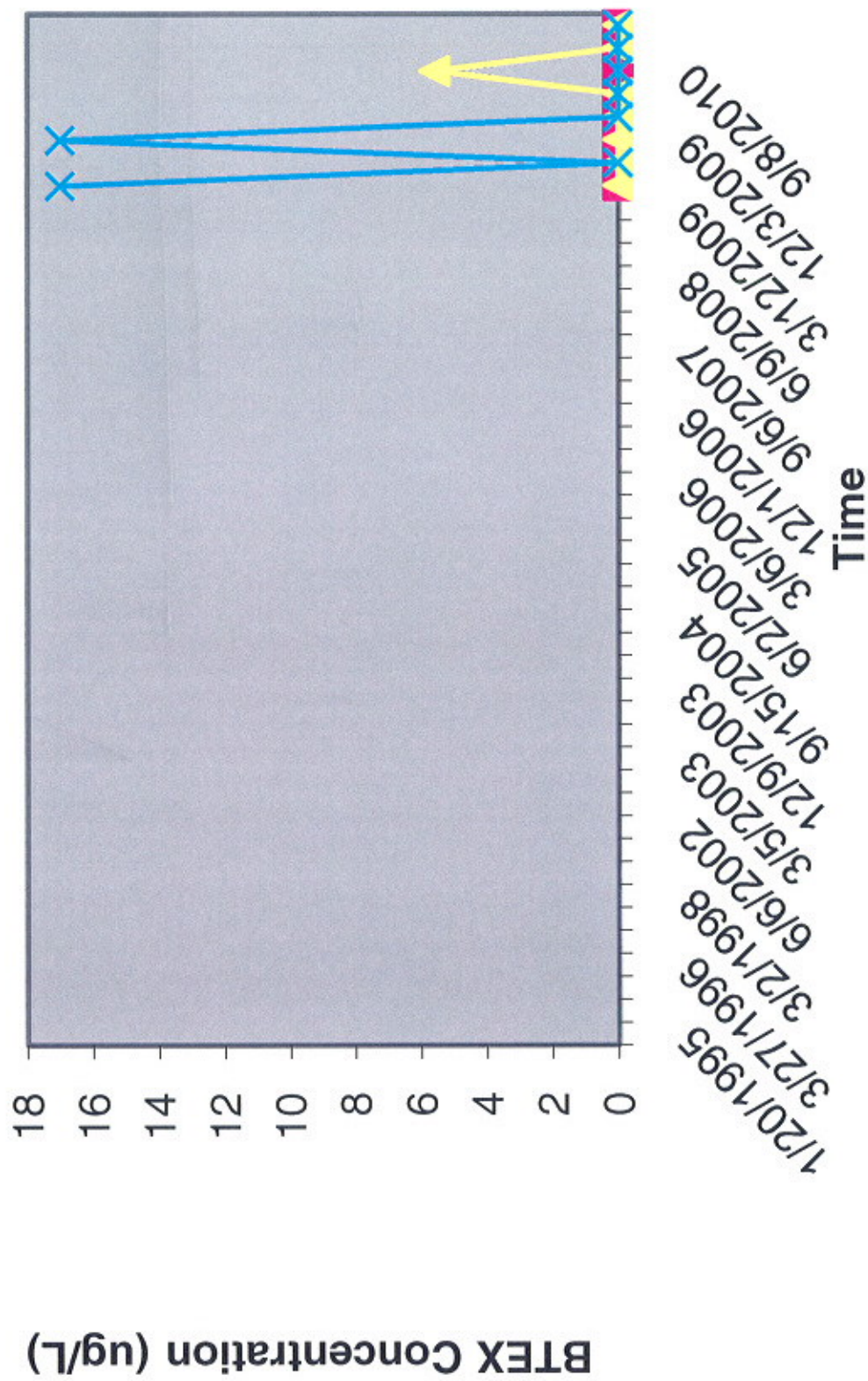
BTEX CONCENTRATION WITH TIME FOR MW-11



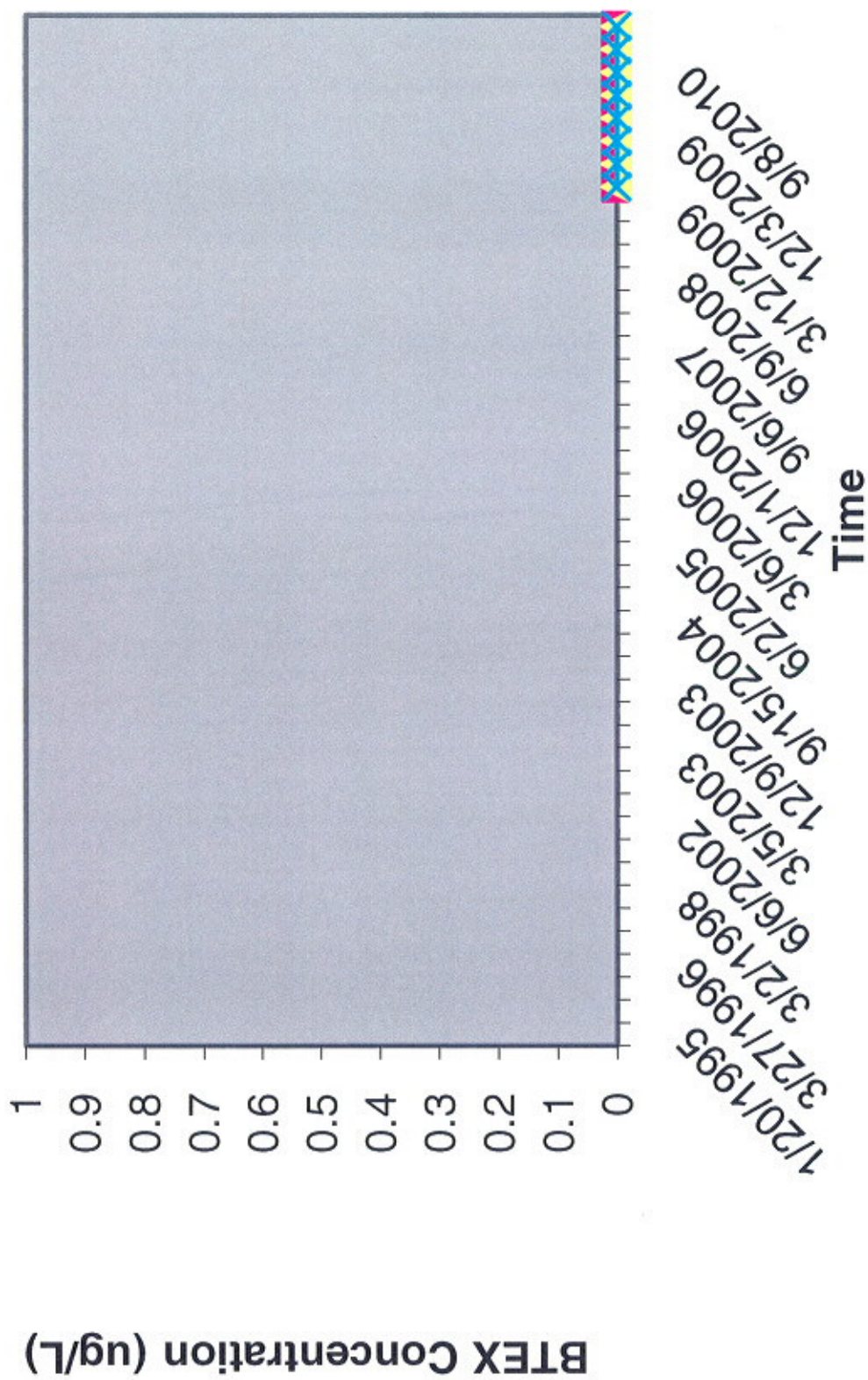
BTEX CONCENTRATION WITH TIME FOR MW-12



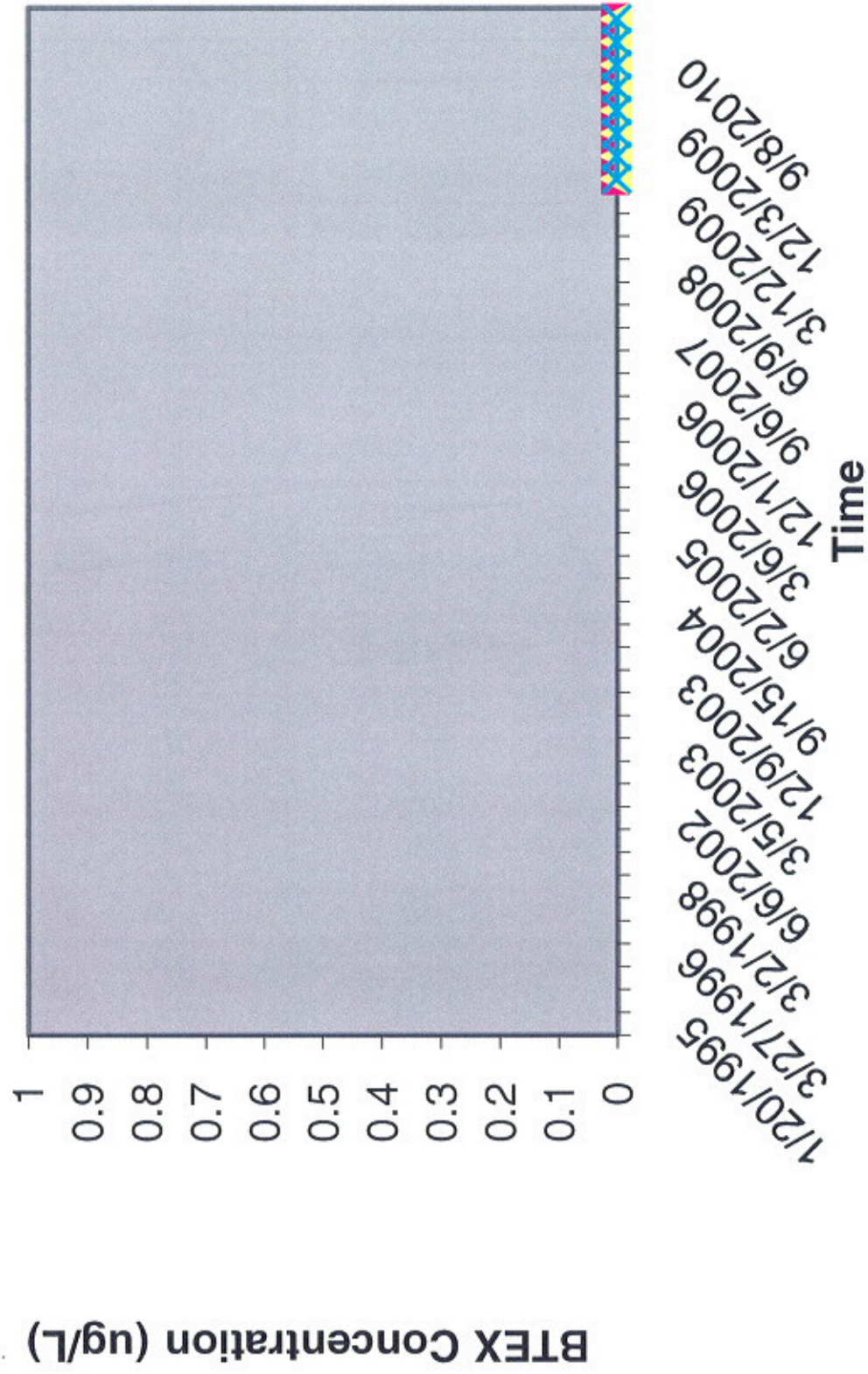
BTEX CONCENTRATION WITH TIME FOR MW-13



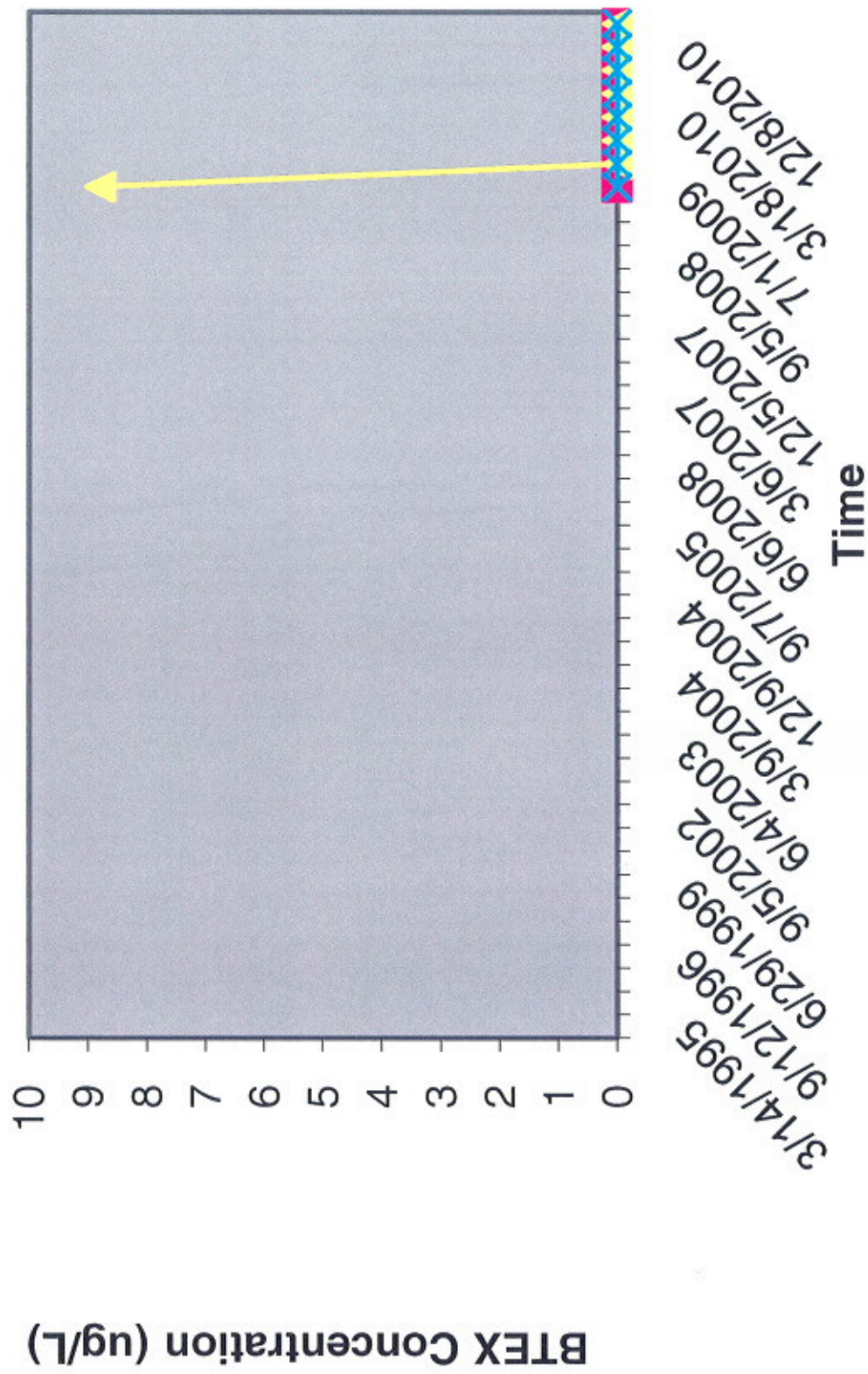
BTEX CONCENTRATION WITH TIME FOR MW-14



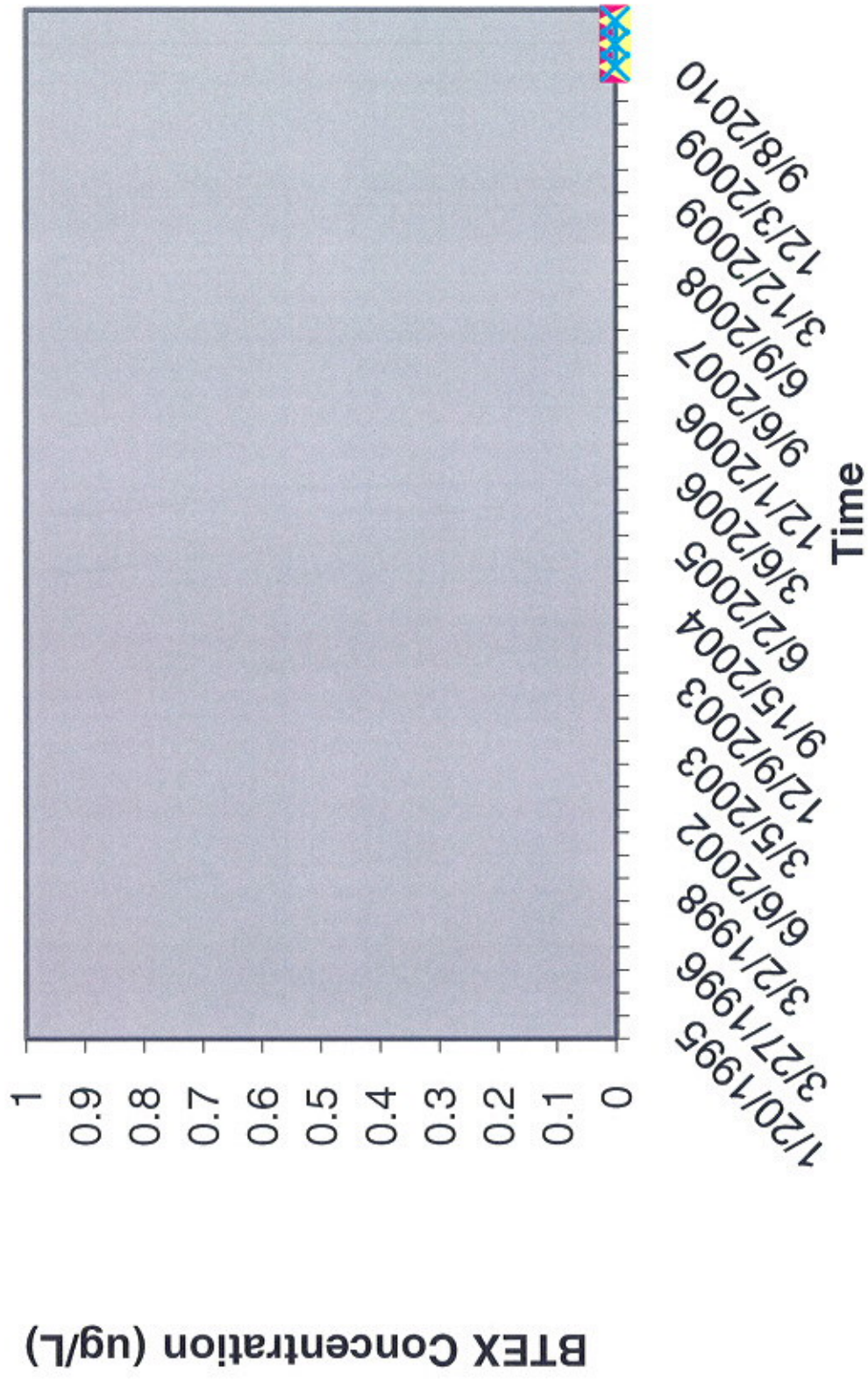
BTEX CONCENTRATION WITH TIME FOR MW-15



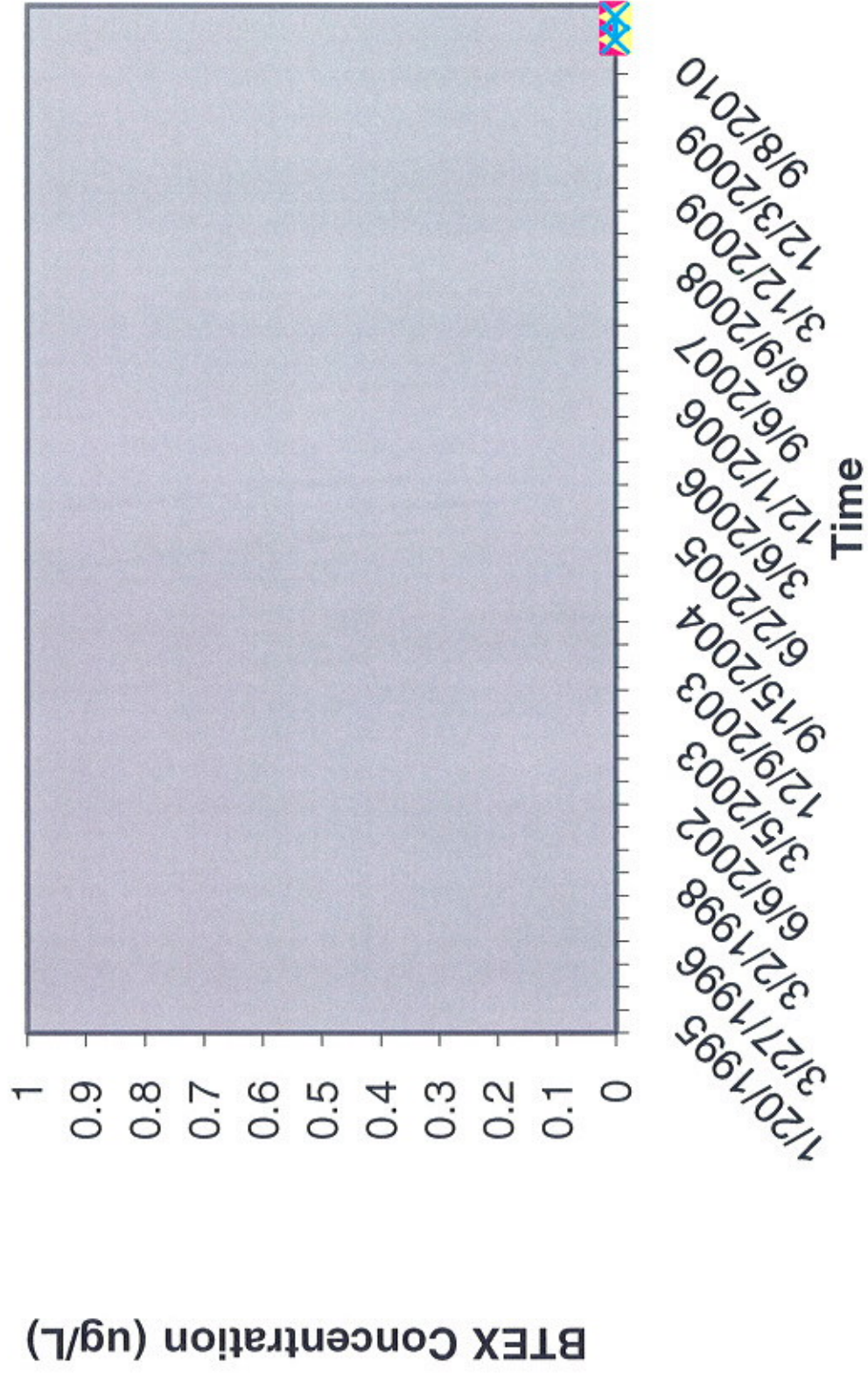
BTEX CONCENTRATION WITH TIME FOR MW-16



BTEX CONCENTRATION WITH TIME FOR MW-17



BTEX CONCENTRATION WITH TIME FOR MW-18



BTEX CONCENTRATION WITH TIME FOR MW-19

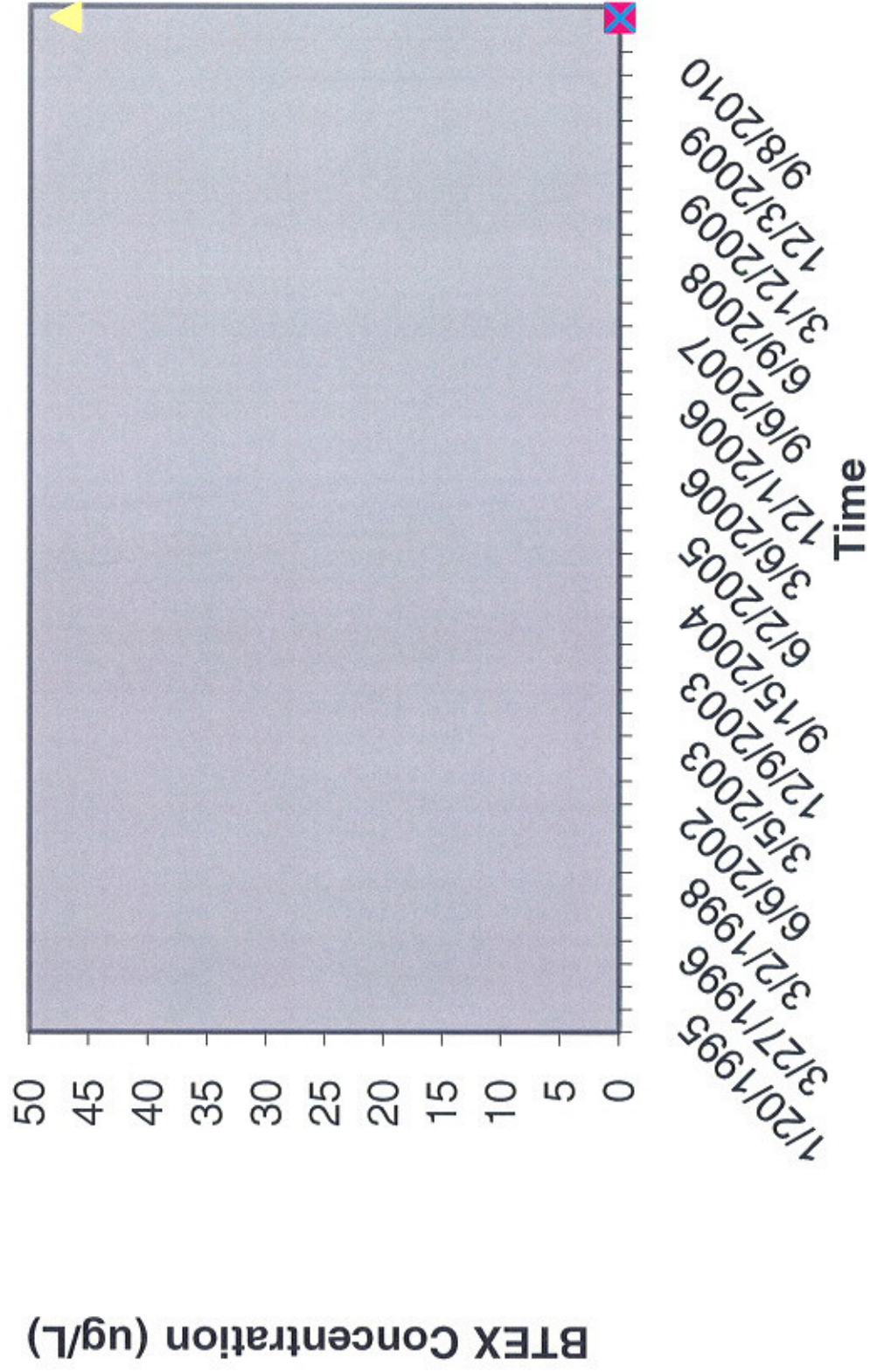


EXHIBIT 6 – PART IV

LABORATORY REPORTS FOR GROUNDWATER

March 16, 2011



Stephen Testa
Testa Environmental Corporation
19814 Jesus Maria Road
Mokelumne Hill, CA 95245

TEL: (209) 754-1422
FAX: (209) 754-1422

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003

Workorder No.: 116746

RE: SHHC Site

Attention: Stephen Testa

Enclosed are the results for sample(s) received on March 08, 2011 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



CLIENT: Testa Environmental Corporation
Project: SHIC Site
Lab Order: 116746

CASE NARRATIVE

Analytical Comments for Method 8015 (GRO)

Surrogate recovery biased high for samples 116746-001B, 116746-003B, 116746-004B, 116746-006B, 116746-007B, 116746-008B, 116746-009B, 116746-010B and 116746-013B, possibly due to matrix interferences.

Analytical Comments for Method 8015 (DRO)

Dilution was necessary for samples 116746-004D, 116746-006D, 116746-007D, 116746-008D, 116746-009D, 116746-013D and 116746-014D, due to sample matrix.

Surrogate recovery biased low for sample 116746-012E, possibly due to matrix interferences.

Analytical Comments for Method 8260

Dilution was necessary for samples 116746-001A, 116746-003A, 116746-006A, 116746-007A, 116746-008A, 116746-009A, 116746-010A, 116746-011A and 116746-013A, due to sample matrix.

Analytical Comments for Method 8270

Dilution was necessary for samples 116746-001C, 116746-003C, 116746-004C, 116746-006C, 116746-007C, 116746-008C, 116746-009C, 116746-010C, 116746-011C, 116746-013C, 116746-014C and 116746-015C, due to sample matrix.



Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-001A

Client Sample ID: MW-19
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_110309A	QC Batch: A11VW046	PrepDate:	Analyst: SLI		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
1,1,1-Trichloroethane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
1,1,2-Trichloroethane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
1,1-Dichloroethane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
1,1-Dichloroethane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
1,1-Dichloropropene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
1,2,3-Trichloropropane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
1,2-Dibromochloroethane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
1,2-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
1,2-Dichloroethane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
1,2-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
1,3-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
1,3-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
1,4-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
2,2-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
2-Chlorotoluene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
4-Chlorotoluene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
4-Isopropyltoluene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Benzene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Bromobenzene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Bromodichloromethane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Bromoforn	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Bromomethane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Carbon tetrachloride	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Chlorobenzene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Chloroethane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Chloroform	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Chloromethane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
cis-1,2-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 02:08 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
D Surrogate Diluted Out



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-001A

Client Sample ID: MW-19
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_110309A	QC Batch:	A11VW046	PrepDate:	Analyst: SLL	
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Di-isopropyl ether	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Dibromochloromethane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Dibromomethane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Dichlorodifluoromethane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Ethyl tert-butyl ether	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Ethylbenzene	47	5.0	µg/L	1	3/9/2011 02:08 PM
Hexachlorobutadiene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Isopropylbenzene	85	5.0	µg/L	1	3/9/2011 02:08 PM
m,p-Xylene	ND	10	µg/L	1	3/9/2011 02:08 PM
Methylene chloride	ND	5.0	µg/L	1	3/9/2011 02:08 PM
MTBE	ND	5.0	µg/L	1	3/9/2011 02:08 PM
n-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
n-Propylbenzene	31	5.0	µg/L	1	3/9/2011 02:08 PM
Naphthalene	250	50	µg/L	10	3/9/2011 03:23 PM
o-Xylene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
sec-Butylbenzene	12	5.0	µg/L	1	3/9/2011 02:08 PM
Styrene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Tert-amyl methyl ether	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Tert-Butanol	ND	100	µg/L	1	3/9/2011 02:08 PM
1st-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Tetrachloroethene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Toluene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Trichloroethene	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Trichlorofluoromethane	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Vinyl chloride	ND	5.0	µg/L	1	3/9/2011 02:08 PM
Sum: 1,2-Dichloroethane-d4	91.0	70-130	%REC	1	3/9/2011 02:08 PM
Sum: 1,2-Dichloroethane-d4	93.2	70-130	%REC	10	3/9/2011 03:23 PM
Sum: 4-Bromofluorobenzene	120	70-130	%REC	1	3/9/2011 02:08 PM
Sum: 4-Bromofluorobenzene	115	70-130	%REC	10	3/9/2011 03:23 PM
Sum: Dibromofluoromethane	92.0	70-130	%REC	1	3/9/2011 02:08 PM
Sum: Dibromofluoromethane	90.2	70-130	%REC	10	3/9/2011 03:23 PM
Sum: Toluene-d8	110	70-130	%REC	10	3/9/2011 03:23 PM
Sum: Toluene-d8	112	70-130	%REC	1	3/9/2011 02:08 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-19

Lab Order: 116746

Collection Date: 3/3/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-001B

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

RunID: GC19_110308A	QC Batch: M11VW049	PrepDate:	Analyst: DDL		
GR0	1.3	0.20	mg/L	1	3/9/2011 12:48 PM
Sur: Bromofluorobenzene (FID)	216	70-130	%REC	1	3/9/2011 12:48 PM

Qualifiers:

B Analyte detected in the associated Method Blank
E Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
100 Surrogate Diluted Out

E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

**Advanced Technology
Laboratories**

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-001C

Client Sample ID: MW-19
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS 13_110315B	QC Batch:	71420	PrepDate:	3/10/2011	Analyst:	JSD
1,2,4-Trichlorobenzene	ND	200	µg/L	20	3/15/2011 02:21 PM		
1,2-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 02:21 PM		
1,3-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 02:21 PM		
1,4-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 02:21 PM		
2,4,5-Trichlorophenol	ND	200	µg/L	20	3/15/2011 02:21 PM		
2,4,6-Trichlorophenol	ND	200	µg/L	20	3/15/2011 02:21 PM		
2,4-Dichlorophenol	ND	200	µg/L	20	3/15/2011 02:21 PM		
2,4-Dimethylphenol	ND	200	µg/L	20	3/15/2011 02:21 PM		
2,4-Dinitrophenol	ND	1000	µg/L	20	3/15/2011 02:21 PM		
2,4-Dinitrotoluene	ND	200	µg/L	20	3/15/2011 02:21 PM		
2,6-Dinitrotoluene	ND	200	µg/L	20	3/15/2011 02:21 PM		
2-Chloronaphthalene	ND	200	µg/L	20	3/15/2011 02:21 PM		
2-Chlorophenol	ND	200	µg/L	20	3/15/2011 02:21 PM		
2-Methylnaphthalene	ND	200	µg/L	20	3/15/2011 02:21 PM		
2-Methylphenol	ND	200	µg/L	20	3/15/2011 02:21 PM		
2-Nitroaniline	ND	1000	µg/L	20	3/15/2011 02:21 PM		
2-Nitrophenol	ND	200	µg/L	20	3/15/2011 02:21 PM		
3,3'-Dichlorobenzidine	ND	400	µg/L	20	3/15/2011 02:21 PM		
3-Nitroaniline	ND	1000	µg/L	20	3/15/2011 02:21 PM		
4,6-Dinitro-2-methylphenol	ND	1000	µg/L	20	3/15/2011 02:21 PM		
4-Bromophenyl-phenylether	ND	200	µg/L	20	3/15/2011 02:21 PM		
4-Chloro-3-methylphenol	ND	1000	µg/L	20	3/15/2011 02:21 PM		
4-Chloroaniline	ND	400	µg/L	20	3/15/2011 02:21 PM		
4-Chlorophenyl-phenylether	ND	200	µg/L	20	3/15/2011 02:21 PM		
4-Methylphenol	ND	200	µg/L	20	3/15/2011 02:21 PM		
4-Nitroaniline	ND	400	µg/L	20	3/15/2011 02:21 PM		
4-Nitrophenol	ND	1000	µg/L	20	3/15/2011 02:21 PM		
Acenaphthene	ND	200	µg/L	20	3/15/2011 02:21 PM		
Acenaphthylene	ND	200	µg/L	20	3/15/2011 02:21 PM		
Anthracene	ND	200	µg/L	20	3/15/2011 02:21 PM		
Benzydine (M)	ND	1000	µg/L	20	3/15/2011 02:21 PM		
Benzo(a)anthracene	ND	200	µg/L	20	3/15/2011 02:21 PM		
Benzo(a)pyrene	ND	200	µg/L	20	3/15/2011 02:21 PM		
Benzo(b)fluoranthene	ND	200	µg/L	20	3/15/2011 02:21 PM		
Benzo(g,h,i)perylene	ND	200	µg/L	20	3/15/2011 02:21 PM		

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected in the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	100	Syringe Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-001C

Client Sample ID: MW-19
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C			EPA 8270C			
RunID: MS_13_110315B	QC Batch: 71420	PrepDate: 3/10/2011		Analyst: JSD		
Benzo(k)fluoranthene	ND	200		µg/L	20	3/15/2011 02:21 PM
Benzoic acid	ND	1000		µg/L	20	3/15/2011 02:21 PM
Benzyl alcohol	ND	400		µg/L	20	3/15/2011 02:21 PM
Bis(2-chloroethoxy)methane	ND	200		µg/L	20	3/15/2011 02:21 PM
Bis(2-chloroethyl)ether	ND	200		µg/L	20	3/15/2011 02:21 PM
Bis(2-chloroisopropyl)ether	ND	200		µg/L	20	3/15/2011 02:21 PM
Bis(2-ethylhexyl)phthalate	ND	200		µg/L	20	3/15/2011 02:21 PM
Butylbenzylphthalate	ND	200		µg/L	20	3/15/2011 02:21 PM
Chrysene	ND	200		µg/L	20	3/15/2011 02:21 PM
Di-n-butylphthalate	ND	200		µg/L	20	3/15/2011 02:21 PM
Di-n-octylphthalate	ND	200		µg/L	20	3/15/2011 02:21 PM
Dibenz(a,h)anthracene	ND	200		µg/L	20	3/15/2011 02:21 PM
Dibenzofuran	ND	200		µg/L	20	3/15/2011 02:21 PM
Diethylphthalate	ND	200		µg/L	20	3/15/2011 02:21 PM
Dimethylphthalate	ND	200		µg/L	20	3/15/2011 02:21 PM
Fluoranthene	ND	200		µg/L	20	3/15/2011 02:21 PM
Fluorene	ND	200		µg/L	20	3/15/2011 02:21 PM
Hexachlorobenzene	ND	200		µg/L	20	3/15/2011 02:21 PM
Hexachlorobutadiene	ND	400		µg/L	20	3/15/2011 02:21 PM
Hexachlorocyclopentadiene	ND	200		µg/L	20	3/15/2011 02:21 PM
Hexachlorooctane	ND	200		µg/L	20	3/15/2011 02:21 PM
Indeno(1,2,3-cd)pyrene	ND	200		µg/L	20	3/15/2011 02:21 PM
Isophorene	ND	200		µg/L	20	3/15/2011 02:21 PM
N-Nitrosodi-n-propylamine	ND	200		µg/L	20	3/15/2011 02:21 PM
N-Nitrosodiphenylamine	ND	200		µg/L	20	3/15/2011 02:21 PM
Naphthalene	ND	200		µg/L	20	3/15/2011 02:21 PM
Nitrobenzene	ND	200		µg/L	20	3/15/2011 02:21 PM
Pentachlorophenol	ND	1000		µg/L	20	3/15/2011 02:21 PM
Phenanthrene	ND	200		µg/L	20	3/15/2011 02:21 PM
Phenol	ND	200		µg/L	20	3/15/2011 02:21 PM
Pyrene	ND	200		µg/L	20	3/15/2011 02:21 PM
Sum: 1,2-Dichlorobenzene-d4	66.4	45-97		%REC	20	3/15/2011 02:21 PM
Sum: 2,4,6-Tribromophenol	103	59-124		%REC	20	3/15/2011 02:21 PM
Sum: 2-Chlorophenol-d4	56.6	49-93		%REC	20	3/15/2011 02:21 PM
Sum: 2-Fluorobiphenyl	79.8	57-107		%REC	20	3/15/2011 02:21 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DU	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-19

Lab Order: 116746

Collection Date: 3/3/2011

Project: SHJC Site

Matrix: GROUNDWATER

Lab ID: 116746-001C

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3510C****EPA 8270C**

RunID: MS 13_1103158	QC Batch: 71420	PrepDate: 3/10/2011	Analyst: JSD
Surr: 2-Fluorophenol	34.2	27-60	%REC 20 3/15/2011 02:21 PM
Surr: 4-Terphenyl-d14	81.6	69-132	%REC 20 3/15/2011 02:21 PM
Surr: Nitrobenzene-d5	68.2	52-107	%REC 20 3/15/2011 02:21 PM
Surr: Phenol-d5	22.6	15-50	%REC 20 3/15/2011 02:21 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DC	Surrogate Diluted Out		

**Advanced Technology
Laboratories**

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

.....
CLIENT: Testa Environmental Corporation Client Sample ID: MW-19
Lab Order: 116746 Collection Date: 3/3/2011
Project: SHHC Site Matrix: GROUNDWATER
Lab ID: 116746-001D
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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

	EPA 3510C	EPA 8015B(M)				
RunID: GC16_110311C	QC Batch: 71410	PrepDate: 3/9/2011	Analyst: MFR			
DRC	3.7	0.20	ng/L	1	3/11/2011 03:15 PM	
Surr: p-Terphenyl	73.2	36-126	%REC	1	3/11/2011 03:15 PM	

.....

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	U	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DD	Surrogate Diluted Out		

.....



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation Client Sample ID: MW-19
Lab Order: 116746 Collection Date: 3/3/2011
Project: SHHIC Site Matrix: GROUNDWATER
Lab ID: 116746-001E

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3510C			EPA 8015B(M)			
RunID: GC16_110314C	QC Batch: 71451			PrepDate: 3/10/2011	Analyst: CBR	
DRO	0.45	0.20		mg/L	1	3/15/2011 01:34 AM
Sum: p-Torphenyl	52.4	36-126		%REC	1	3/15/2011 01:34 AM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
IE Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DD Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

Client: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-002A

Client Sample ID: MW-18
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: MS11_110309A	QC Batch: A11VW046	PrepDate:		Analyst: SLL		
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	3/9/2011 12:28 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	3/9/2011 12:28 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	3/9/2011 12:28 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	3/9/2011 12:28 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	3/9/2011 12:28 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	3/9/2011 12:28 PM
1,1-Dichloropropene	ND	5.0		µg/L	1	3/9/2011 12:28 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	3/9/2011 12:28 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	3/9/2011 12:28 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	3/9/2011 12:28 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	3/9/2011 12:28 PM
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	3/9/2011 12:28 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	3/9/2011 12:28 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	3/9/2011 12:28 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	3/9/2011 12:28 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	3/9/2011 12:28 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	3/9/2011 12:28 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	3/9/2011 12:28 PM
1,3-Dichloropropane	ND	5.0		µg/L	1	3/9/2011 12:28 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	3/9/2011 12:28 PM
2,2-Dichloropropane	ND	5.0		µg/L	1	3/9/2011 12:28 PM
2-Chlorotoluene	ND	5.0		µg/L	1	3/9/2011 12:28 PM
4-Chlorotoluene	ND	5.0		µg/L	1	3/9/2011 12:28 PM
4-Isopropyltoluene	ND	5.0		µg/L	1	3/9/2011 12:28 PM
Benzene	ND	5.0		µg/L	1	3/9/2011 12:28 PM
Bromobenzene	ND	5.0		µg/L	1	3/9/2011 12:28 PM
Bromodichloromethane	ND	5.0		µg/L	1	3/9/2011 12:28 PM
Bromoform	ND	5.0		µg/L	1	3/9/2011 12:28 PM
Bromomethane	ND	5.0		µg/L	1	3/9/2011 12:28 PM
Carbon tetrachloride	ND	5.0		µg/L	1	3/9/2011 12:28 PM
Chlorobenzene	ND	5.0		µg/L	1	3/9/2011 12:28 PM
Chloroethane	ND	5.0		µg/L	1	3/9/2011 12:28 PM
Chloroform	ND	5.0		µg/L	1	3/9/2011 12:28 PM
Chloromethane	ND	5.0		µg/L	1	3/9/2011 12:28 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	3/9/2011 12:28 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHIC Site
Lab ID: 116746-002A

Client Sample ID: MW-18
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_110309A	QC Batch: A11VW046	PrepDate:	Analyst: SLL
cis-1,3-Dichloropropene	ND	5.0	µg/L
Di-isopropyl ether	ND	5.0	µg/L
Dibromochloromethane	ND	5.0	µg/L
Dibromomethane	ND	5.0	µg/L
Dichlorodifluoromethane	ND	5.0	µg/L
Ethyl tert-butyl ether	ND	5.0	µg/L
Ethylbenzene	ND	5.0	µg/L
Hexachlorobutadiene	ND	5.0	µg/L
Isopropylbenzene	ND	5.0	µg/L
m,p-Xylene	ND	10	µg/L
Methylene chloride	ND	5.0	µg/L
MTBE	ND	5.0	µg/L
n-Butylbenzene	ND	5.0	µg/L
n-Propylbenzene	ND	5.0	µg/L
Naphthalene	ND	5.0	µg/L
o-Xylene	ND	5.0	µg/L
sec-Butylbenzene	ND	5.0	µg/L
Styrene	ND	5.0	µg/L
Tert-amyl methyl ether	ND	5.0	µg/L
Tert-Butanol	ND	100	µg/L
tert-Butylbenzene	ND	5.0	µg/L
Tetrachloroethene	ND	5.0	µg/L
Toluene	ND	5.0	µg/L
trans-1,2-Dichloroethene	ND	5.0	µg/L
Trichloroethene	ND	5.0	µg/L
Trichlorofluoromethane	ND	5.0	µg/L
Vinyl chloride	ND	5.0	µg/L
Sum: 1,2-Dichloroethane-d4	94.9	70-130	%REC
Sum: 4-Bromofluorobenzene	112	70-130	%REC
Sum: Dibromofluoromethane	98.2	70-130	%REC
Sum: Toluene-d8	106	70-130	%REC

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected in the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DD	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation Client Sample ID: MW-18
Lab Order: 116746 Collection Date: 3/3/2011
Project: SHHC Site Matrix: GROUNDWATER
Lab ID: 116746-002B

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

RunID: GC19_110309A	QC Batch: M11VW049	PrepDate:	Analyst: DDL		
GAO	ND	0.20	mg/L	1	3/9/2011 01:08 PM
Sum: Bromofluorobenzene (FID)	98.1	70-130	%REC	1	3/9/2011 01:08 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SJHC Site
Lab ID: 116746-002C

Client Sample ID: MW-18
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID: MS 13_110315B	OC Batch: 71420	PropDate: 3/10/2011	Analyst: JSD
1,2,4-Trichlorobenzene	ND	10	µg/L
1,2-Dichlorobenzene	ND	10	µg/L
1,3-Dichlorobenzene	ND	10	µg/L
1,4-Dichlorobenzene	ND	10	µg/L
2,4,5-Trichlorophenol	ND	10	µg/L
2,4,6-Trichlorophenol	ND	10	µg/L
2,4-Dichlorophenol	ND	10	µg/L
2,4-Dimethylphenol	ND	10	µg/L
2,4-Dinitrophenol	ND	50	µg/L
2,4-Dinitrotoluene	ND	10	µg/L
2,6-Dinitrotoluene	ND	10	µg/L
2-Chloronaphthalene	ND	10	µg/L
2-Chlorophenol	ND	10	µg/L
2-Methylnaphthalene	ND	10	µg/L
2-Methylphenol	ND	10	µg/L
2-Nitroaniline	ND	50	µg/L
2-Nitrophenol	ND	10	µg/L
3,3'-Dichlorobenzidine	ND	20	µg/L
3-Nitroaniline	ND	50	µg/L
4,6-Dinitro-2-methylphenol	ND	50	µg/L
4-Bromophenyl-phenylether	ND	10	µg/L
4-Chloro-3-methylphenol	ND	50	µg/L
4-Chloroaniline	ND	20	µg/L
4-Chlorophenyl-phenylether	ND	10	µg/L
4-Methylphenol	ND	10	µg/L
4-Nitroaniline	ND	20	µg/L
4-Nitrophenol	ND	50	µg/L
Acenaphthene	ND	10	µg/L
Acenaphthylene	ND	10	µg/L
Anthracene	ND	10	µg/L
Benazidine (M)	ND	50	µg/L
Benzo(a)anthracene	ND	10	µg/L
Benzo(a)pyrene	ND	10	µg/L
Benzo(b)fluoranthene	ND	10	µg/L
Benzo(g,h,i)perylene	ND	10	µg/L

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-002C

Client Sample ID: MW-18
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS 13_110315B	QC Batch:	71420	PrepDate:	3/15/2011	Analyst:	JSD
Benzo(k)fluoranthene	ND	10	µg/L	1	3/15/2011 02:48 PM		
Benzoic acid	ND	50	µg/L	1	3/15/2011 02:48 PM		
Benzyl alcohol	ND	20	µg/L	1	3/15/2011 02:48 PM		
Bis(2-chloroethoxy)methane	ND	10	µg/L	1	3/15/2011 02:48 PM		
Bis(2-chloroethyl)ether	ND	10	µg/L	1	3/15/2011 02:48 PM		
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1	3/15/2011 02:48 PM		
Bis(2-ethylhexyloxy)phthalate	ND	10	µg/L	1	3/15/2011 02:48 PM		
Butylbenzylphthalate	ND	10	µg/L	1	3/15/2011 02:48 PM		
Chrysene	ND	10	µg/L	1	3/15/2011 02:48 PM		
Di-n-butylphthalate	ND	10	µg/L	1	3/15/2011 02:48 PM		
Di-n-octylphthalate	ND	10	µg/L	1	3/15/2011 02:48 PM		
Dibenz(a,h)anthracene	ND	10	µg/L	1	3/15/2011 02:48 PM		
Dibenzofuran	ND	10	µg/L	1	3/15/2011 02:48 PM		
Diethylphthalate	ND	10	µg/L	1	3/15/2011 02:48 PM		
Dimethylphthalate	ND	10	µg/L	1	3/15/2011 02:48 PM		
Fluoranthene	ND	10	µg/L	1	3/15/2011 02:48 PM		
Fluorene	ND	10	µg/L	1	3/15/2011 02:48 PM		
Hexachlorobenzene	ND	10	µg/L	1	3/15/2011 02:48 PM		
Hexachlorobutadiene	ND	20	µg/L	1	3/15/2011 02:48 PM		
Hexachlorocyclopentadiene	ND	10	µg/L	1	3/15/2011 02:48 PM		
Hexachlorocyclopentadiene	ND	10	µg/L	1	3/15/2011 02:48 PM		
Indeno(1,2,3-cd)pyrene	ND	10	µg/L	1	3/15/2011 02:48 PM		
Isophorone	ND	10	µg/L	1	3/15/2011 02:48 PM		
N-Nitrosodi-n-propylamine	ND	10	µg/L	1	3/15/2011 02:48 PM		
N-Nitrosodiphenylamine	ND	10	µg/L	1	3/15/2011 02:48 PM		
Naphthalene	ND	10	µg/L	1	3/15/2011 02:48 PM		
Nitrobenzene	ND	10	µg/L	1	3/15/2011 02:48 PM		
Pentachlorophenol	ND	50	µg/L	1	3/15/2011 02:48 PM		
Phenanthrene	ND	10	µg/L	1	3/15/2011 02:48 PM		
Phenol	ND	10	µg/L	1	3/15/2011 02:48 PM		
Pyrene	ND	10	µg/L	1	3/15/2011 02:48 PM		
Surr: 1,2-Dichlorobenzene-d4	68.6	46-97	%REC	1	3/15/2011 02:48 PM		
Surr: 2,4,6-Tribromophenol	102	59-124	%REC	1	3/15/2011 02:48 PM		
Surr: 2-Chlorophenol-d4	61.7	49-93	%REC	1	3/15/2011 02:48 PM		
Surr: 2-Fluorobiphenyl	77.3	57-107	%REC	1	3/15/2011 02:48 PM		

Qualifiers: B Analyte detected in the associated Method Blank
IE Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DD Surrogate Diluted Out

E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-002C

Client Sample ID: MW-18
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C			EPA 8270C			
RunID: MS_13_110316D	QC Batch: 71420			PrepDate: 3/10/2011		Analyst: JSD
Surr: 2-Fluorophenol	36.2	27-60	%REC	1		3/15/2011 02:48 PM
Surr: 4-Terphenyl-d14	82.4	69-132	%REC	1		3/15/2011 02:48 PM
Surr: Nitrobenzene-d5	69.5	52-107	%REC	1		3/15/2011 02:48 PM
Surr: Phenol-d5	26.9	15-50	%REC	1		3/15/2011 02:48 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT:	Testa Environmental Corporation	Client Sample ID:	MW-18
Lab Order:	116746	Collection Date:	3/3/2011
Project:	SH11C Site	Matrix:	GROUNDWATER
Lab ID:	116746-0020		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C			EPA 8015B(M)		
RunID: GC16_110311C	QC Batch: 71410			PrepDate: 3/9/2011		Analyst: MFR
ORO	ND	0.20		mg/L	1	3/11/2011 02:36 PM
Surrogate: p-Terphenyl	82.8	36-126		%REC	1	3/11/2011 02:36 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	I	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DG	Surrogate Diluted Out		

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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation Client Sample ID: MW-18
Lab Order: 116746 Collection Date: 3/3/2011
Project: SHHC Site Matrix: GROUNDWATER
Lab ID: 116746-002E

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3510C			EPA 8015B(M)			
RunID: GC16_110314C	QC Batch: 71451			PrepDate: 3/10/2011	Analyst: CBR	
DRO	ND	0.20		mg/L	1	3/15/2011 12:19 AM
Surr: p-Terphenyl	66.2	36-126		%REC	1	3/15/2011 12:19 AM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DQ Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
 Lab Order: 116746
 Project: SHHC Site
 Lab ID: 116746-003A

Client Sample ID: MW-16
 Collection Date: 3/3/2011
 Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS11_110309A	QC Batch:	A11VW046	PropDate:	Analyst:	SLL
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
1,1,1-Trichloroethane	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
1,1,2-Trichloroethane	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
1,1-Dichloroethane	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
1,1-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
1,1-Dichloropropene	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
1,2,3-Trichloropropane	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
1,2,4-Trimethylbenzene	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
1,2-Dibromoethane	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
1,2-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
1,2-Dichloroethane	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
1,2-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
1,3,5-Trimethylbenzene	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
1,3-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
1,3-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
1,4-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
2,2-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
2-Chlorotoluene	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
4-Chlorotoluene	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
4-Isopropyltoluene	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
Benzene	ND	5.0	µg/L	1	2/9/2011 05:23 PM	
Bromobenzene	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
Bromodichloromethane	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
Bromoform	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
Bromomethane	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
Carbon tetrachloride	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
Chlorobenzene	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
Chloroethane	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
Chloroform	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
Chloromethane	ND	5.0	µg/L	1	3/9/2011 05:23 PM	
cis-1,2-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 05:23 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	B	Value above quantitation range
	IE	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DD	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-003A

Client Sample ID: MW-16
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_110309A	QC Batch: A11VW046	PrepDate:	Analyst: SLL		
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	3/9/2011 05:23 PM
Di-isopropyl ether	ND	5.0	µg/L	1	3/9/2011 05:23 PM
Dibromochloromethane	ND	5.0	µg/L	1	3/9/2011 05:23 PM
Dibromomethane	ND	5.0	µg/L	1	3/9/2011 05:23 PM
Dichlorodifluoromethane	ND	5.0	µg/L	1	3/9/2011 05:23 PM
Ethyl tert-butyl ether	ND	5.0	µg/L	1	3/9/2011 05:23 PM
Ethylbenzene	ND	5.0	µg/L	1	3/9/2011 05:23 PM
Hexachlorobutadiene	ND	5.0	µg/L	1	3/9/2011 05:23 PM
Isopropylbenzene	150	50	µg/L	10	3/9/2011 05:43 PM
m,p-Xylene	ND	10	µg/L	1	3/9/2011 05:23 PM
Methylene chloride	ND	5.0	µg/L	1	3/9/2011 05:23 PM
MTBE	26	5.0	µg/L	1	3/9/2011 05:23 PM
n-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 05:23 PM
n-Propylbenzene	87	5.0	µg/L	1	3/9/2011 05:23 PM
Naphthalene	78	5.0	µg/L	1	3/9/2011 05:23 PM
o-Xylene	ND	5.0	µg/L	1	3/9/2011 05:23 PM
sec-Butylbenzene	32	5.0	µg/L	1	3/9/2011 05:23 PM
Styrene	ND	5.0	µg/L	1	3/9/2011 05:23 PM
Tert-amyl methyl ether	ND	5.0	µg/L	1	3/9/2011 05:23 PM
Tert-Butanol	ND	100	µg/L	1	3/9/2011 05:23 PM
tert-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 05:23 PM
Tetrachloroethene	ND	5.0	µg/L	1	3/9/2011 05:23 PM
Toluene	ND	5.0	µg/L	1	3/9/2011 05:23 PM
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 05:23 PM
Trichloroethene	ND	5.0	µg/L	1	3/9/2011 05:23 PM
Trichlorofluoromethane	ND	5.0	µg/L	1	3/9/2011 05:23 PM
Vinyl chloride	ND	5.0	µg/L	1	3/9/2011 05:23 PM
Surr: 1,2-Dichloroethane-d4	91.8	70-130	%REC	1	3/9/2011 05:23 PM
Surr: 1,2-Dichloroethane-d4	93.2	70-130	%REC	10	3/9/2011 05:43 PM
Surr: 4-Bromofluorobenzene	127	70-130	%REC	1	3/9/2011 05:23 PM
Surr: 4-Bromofluorobenzene	116	70-130	%REC	10	3/9/2011 05:43 PM
Surr: Dibromofluoromethane	93.3	70-130	%REC	1	3/9/2011 05:23 PM
Surr: Dibromofluoromethane	94.3	70-130	%REC	10	3/9/2011 05:43 PM
Surr: Toluene-d8	111	70-130	%REC	10	3/9/2011 05:43 PM
Surr: Toluene-d8	114	70-130	%REC	1	3/9/2011 05:23 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DC	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-00313

Client Sample ID: MW-16
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

RunID: GC19_110309A	QC Batch:	M:11VW049	PrepDate:	Analyst: DDL	
GRO	2.7	0.20	mg/L	1	3/9/2011 01:27 PM
Sum: Bromofluorobenzene (FID)	320	70-130	%REC	1	3/9/2011 01:27 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Degrated Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
 Lab Order: 116746
 Project: SHHC Site
 Lab ID: 116746-003C

Client Sample ID: MW-16
 Collection Date: 3/3/2011
 Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID: MS 13_110315B	QC Batch: 71420	PrepDate: 3/10/2011	Analyst: JSD
1,2,4-Trichlorobenzene	ND	200	µg/L
1,2-Dichlorobenzene	ND	200	µg/L
1,3-Dichlorobenzene	ND	200	µg/L
1,4-Dichlorobenzene	ND	200	µg/L
2,4,5-Trichlorophenol	ND	200	µg/L
2,4,6-Trichlorophenol	ND	200	µg/L
2,4-Dichlorophenol	ND	200	µg/L
2,4-Dimethylphenol	ND	200	µg/L
2,4-Dinitrophenol	ND	1000	µg/L
2,4-Dinitrotoluene	ND	200	µg/L
2,6-Dinitrotoluene	ND	200	µg/L
2-Chloronaphthalene	ND	200	µg/L
2-Chlorophenol	ND	200	µg/L
2-Methylnaphthalene	ND	200	µg/L
2-Methylphenol	ND	200	µg/L
2-Nitroaniline	ND	1000	µg/L
2-Nitrophenol	ND	200	µg/L
3,3'-Dichlorobenzidine	ND	400	µg/L
3-Nitroaniline	ND	1000	µg/L
4,6-Dinitro-2-methylphenol	ND	1000	µg/L
4-Bromophenyl-phenylethanol	ND	200	µg/L
4-Chloro-3-methylphenol	ND	1000	µg/L
4-Chloroaniline	ND	400	µg/L
4-Chlorophenyl-phenylethanol	ND	200	µg/L
4-Methylphenol	ND	200	µg/L
4-Nitroaniline	ND	400	µg/L
4-Nitrophenol	ND	1000	µg/L
Acenaphthene	ND	200	µg/L
Acenaphthylene	ND	200	µg/L
Anthracene	ND	200	µg/L
Benazidine (M)	ND	1000	µg/L
Benzo(a)anthracene	ND	200	µg/L
Benzo(a)pyrene	ND	200	µg/L
Benzo(b)fluoranthene	ND	200	µg/L
Benzo(g,h,i)perylene	ND	200	µg/L

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference
 DD Surrogate Diluted Out
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-003C

Client Sample ID: MW-16
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS 15_110315B	GC Batch:	71420	PrepDate:	3/15/2011	Analyst:	JSD
Benzo(k)fluoranthene	ND	200	µg/L	20	3/15/2011 03:16 PM		
Benzoic acid	ND	1000	µg/L	20	3/15/2011 03:16 PM		
Benzyl alcohol	ND	400	µg/L	20	3/15/2011 03:16 PM		
Bis(2-chloroethoxy)methane	ND	200	µg/L	20	3/15/2011 03:16 PM		
Bis(2-chloroethyl)ether	ND	200	µg/L	20	3/15/2011 03:16 PM		
Bis(2-chloroisopropyl)ether	ND	200	µg/L	20	3/15/2011 03:16 PM		
Bis(2-ethylhexyl)phthalate	ND	200	µg/L	20	3/15/2011 03:16 PM		
Butylbenzylphthalate	ND	200	µg/L	20	3/15/2011 03:16 PM		
Chrysene	ND	200	µg/L	20	3/15/2011 03:16 PM		
Di-n-butylphthalate	ND	200	µg/L	20	3/15/2011 03:16 PM		
Di-n-octylphthalate	ND	200	µg/L	20	3/15/2011 03:16 PM		
Dibenz(a,h)anthracene	ND	200	µg/L	20	3/15/2011 03:16 PM		
Dibenzofuran	ND	200	µg/L	20	3/15/2011 03:16 PM		
Diethylphthalate	ND	200	µg/L	20	3/15/2011 03:16 PM		
Dimethylphthalate	ND	200	µg/L	20	3/15/2011 03:16 PM		
Fluoranthene	ND	200	µg/L	20	3/15/2011 03:16 PM		
Fluorene	ND	200	µg/L	20	3/15/2011 03:16 PM		
Hexachlorobenzene	ND	200	µg/L	20	3/15/2011 03:16 PM		
Hexachlorobutadiene	ND	400	µg/L	20	3/15/2011 03:16 PM		
Hexachlorocyclopentadiene	ND	200	µg/L	20	3/15/2011 03:16 PM		
Hexachloroethane	ND	200	µg/L	20	3/15/2011 03:16 PM		
Indeno(1,2,3-cd)pyrene	ND	200	µg/L	20	3/15/2011 03:16 PM		
Isophorone	ND	200	µg/L	20	3/15/2011 03:16 PM		
N-Nitrosod-n-propylamine	ND	200	µg/L	20	3/15/2011 03:16 PM		
N-Nitrosodiphenylamine	ND	200	µg/L	20	3/15/2011 03:16 PM		
Naphthalene	ND	200	µg/L	20	3/15/2011 03:16 PM		
Nitrobenzene	ND	200	µg/L	20	3/15/2011 03:16 PM		
Pentachlorophenol	ND	1000	µg/L	20	3/15/2011 03:16 PM		
Phenanthrene	ND	200	µg/L	20	3/15/2011 03:16 PM		
Phenol	ND	200	µg/L	20	3/15/2011 03:16 PM		
Pyrene	ND	200	µg/L	20	3/15/2011 03:16 PM		
Surr: 1,2-Dichlorobenzene-d4	64.0	46-97	%REC	20	3/15/2011 03:16 PM		
Surr: 2,4,6-Trichlorophenol	85.4	59-124	%REC	20	3/15/2011 03:16 PM		
Surr: 2-Chlorophenol-d4	55.2	49-93	%REC	20	3/15/2011 03:16 PM		
Surr: 2-Fluorobiphenyl	89.2	57-107	%REC	20	3/15/2011 03:16 PM		

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Spigate outside of limits due to matrix interference Results are wet unless otherwise specified
 DD Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation **Client Sample ID:** MW-16
Lab Order: 116746 **Collection Date:** 3/3/2011
Project: SHHC Site **Matrix:** GROUNDWATER
Lab ID: 116746-003C

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
	EPA 3510C		EPA 8270C			
RunID: MS 13_110315B	QC Batch:	71120		PrepDate:	3/10/2011	Analyst: JSD
Surr: 2-Fluorophenol	32.0	27-60	%REC	20	3/15/2011 03:16 PM	
Surr: 4-Terphenyl-d14	80.6	60-132	%REC	20	3/15/2011 03:16 PM	
Surr: Nitrobenzene-d5	64.8	62-107	%REC	20	3/15/2011 03:16 PM	
Surr: Phenol-d5	24.4	15-60	%REC	20	3/15/2011 03:16 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Tesla Environmental Corporation Client Sample ID: MW-16
Lab Order: 116746 Collection Date: 3/3/2011
Project: SHIC Site Matrix: GROUNDWATER
Lab ID: 116746-003D

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C			EPA 8015B(M)		
RunID: GC16_110311C	QC Batch: 71410			PrepDate: 3/9/2011	Analyst: MFR	
DRO	2.6	0.20		mg/L	1	3/11/2011 03:25 PM
Surr: p-Terphenyl	62.1	36-126		%REC	1	3/11/2011 03:25 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-003E

Client Sample ID: MW-16
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
	EPA 3510C		EPA 8015B(M)			
RunID: GC16_110314C	QC Batch: 71451				PrepDate: 3/10/2011	Analyst: CBR
DRO	0.66	0.20		mg/L	1	3/16/2011 01:06 AM
Surrogate: p-Terphenyl	66.1	36-126		%REC	1	3/16/2011 01:06 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified	
DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHIC Site
Lab ID: 116746-004A

Client Sample ID: MW-15
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_110308A	QC Batch: A11VW046	PropDate:	Analyst: SLL
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L
1,1,1-Trichloroethane	ND	5.0	µg/L
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L
1,1,2-Trichloroethane	ND	5.0	µg/L
1,1-Dichloroethane	ND	5.0	µg/L
1,1-Dichloroethylene	ND	5.0	µg/L
1,1-Dichloropropene	ND	5.0	µg/L
1,2,3-Trichlorobenzene	ND	5.0	µg/L
1,2,3-Trichloropropane	ND	5.0	µg/L
1,2,4-Trichlorobenzene	ND	5.0	µg/L
1,2,4-Trimethylbenzene	ND	5.0	µg/L
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L
1,2-Dibromobenzene	ND	5.0	µg/L
1,2-Dichlorobenzene	ND	5.0	µg/L
1,2-Dichloroethane	ND	5.0	µg/L
1,2-Dichloropropane	ND	5.0	µg/L
1,3,5-Trimethylbenzene	ND	5.0	µg/L
1,3-Dichlorobenzene	ND	5.0	µg/L
1,3-Dichloropropane	ND	5.0	µg/L
1,4-Dichlorobenzene	ND	5.0	µg/L
2,2-Dichloropropane	ND	5.0	µg/L
2-Chlorotoluene	ND	5.0	µg/L
4-Chlorotoluene	ND	5.0	µg/L
4-Isopropyltoluene	ND	5.0	µg/L
Benzene	ND	5.0	µg/L
Bromobenzene	ND	5.0	µg/L
Bromodichloromethane	ND	5.0	µg/L
Bromoform	ND	5.0	µg/L
Bromomethane	ND	5.0	µg/L
Carbon tetrachloride	ND	5.0	µg/L
Chlorobenzene	ND	5.0	µg/L
Chloroethane	ND	5.0	µg/L
Chloroform	ND	5.0	µg/L
Chloromethane	ND	5.0	µg/L
cis-1,2-Dichloroethane	ND	5.0	µg/L

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
Dil Surrogate Diluted Out

E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-004A

Client Sample ID: MW-15
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_110909A	QC Batch: A11VW046	PrepDate:	Analyst: SLL		
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	3/9/2011 01:28 PM
Di-isopropyl ether	ND	5.0	µg/L	1	3/9/2011 01:28 PM
Dibromochloromethane	ND	5.0	µg/L	1	3/9/2011 01:28 PM
Dibromomethane	ND	5.0	µg/L	1	3/9/2011 01:28 PM
Dichlorodifluoromethane	ND	5.0	µg/L	1	3/9/2011 01:28 PM
Ethyl tert-butyl ether	ND	5.0	µg/L	1	3/9/2011 01:28 PM
Ethylbenzene	ND	5.0	µg/L	1	3/9/2011 01:28 PM
Hexachlorobutadiene	ND	5.0	µg/L	1	3/9/2011 01:28 PM
Isopropylbenzene	50	5.0	µg/L	1	3/9/2011 01:28 PM
m,p-Xylene	ND	10	µg/L	1	3/9/2011 01:28 PM
Methylene chloride	ND	5.0	µg/L	1	3/9/2011 01:28 PM
MTBE	ND	5.0	µg/L	1	3/9/2011 01:28 PM
n-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 01:28 PM
n-Propylbenzene	16	5.0	µg/L	1	3/9/2011 01:28 PM
Naphthalene	18	5.0	µg/L	1	3/9/2011 01:28 PM
o-Xylene	ND	5.0	µg/L	1	3/9/2011 01:28 PM
sec-Butylbenzene	0.8	5.0	µg/L	1	3/9/2011 01:28 PM
Styrene	ND	5.0	µg/L	1	3/9/2011 01:28 PM
Tert-amyl methyl ether	ND	5.0	µg/L	1	3/9/2011 01:28 PM
Tert-Butanol	ND	100	µg/L	1	3/9/2011 01:28 PM
tert-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 01:28 PM
Tetrachloroethene	ND	5.0	µg/L	1	3/9/2011 01:28 PM
Toluene	ND	5.0	µg/L	1	3/9/2011 01:28 PM
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 01:28 PM
Trichloroethene	ND	5.0	µg/L	1	3/9/2011 01:28 PM
Trichlorofluoromethane	ND	5.0	µg/L	1	3/9/2011 01:28 PM
Vinyl chloride	ND	5.0	µg/L	1	3/9/2011 01:28 PM
Surr: 1,2-Dichloroethane-d4	92.1	70-130	%REC	1	3/9/2011 01:28 PM
Surr: 4-Bromofluorobenzene	117	70-130	%REC	1	3/9/2011 01:28 PM
Surr: Dibromofluoromethane	95.6	70-130	%REC	1	3/9/2011 01:28 PM
Surr: Toluene-d8	106	70-130	%REC	1	3/9/2011 01:28 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding Times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DD	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation Client Sample ID: MW-15
 Lab Order: 116746 Collection Date: 3/3/2011
 Project: SHHC Site Matrix: GROUNDWATER
 Lab ID: 116746-004B

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC19_110309A	QC Batch: M11VW049	PrepDate:	Analyst: DDL
GRO	0.77	0.20	mg/L
Surrogate: Bromofluorobenzene (FK2)	178	70-130	% REC

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-15

Lab Order: 116746

Collection Date: 3/3/2011

Project: SJHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-004C

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS 13_110315B	QC Batch:	71420	PropDate:	3/10/2011	Analyst:	JSD
1,2,4-Trichlorobenzene	ND	200	µg/L	20	3/15/2011 03:45 PM		
1,2-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 03:45 PM		
1,3-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 03:45 PM		
1,4-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 03:45 PM		
2,4,5-Trichlorophenol	ND	200	µg/L	20	3/15/2011 03:45 PM		
2,4,6-Trichlorophenol	ND	200	µg/L	20	3/15/2011 03:45 PM		
2,4-Dichlorophenol	ND	200	µg/L	20	3/15/2011 03:45 PM		
2,4-Dimethylphenol	ND	200	µg/L	20	3/15/2011 03:45 PM		
2,4-Dinitrophenol	ND	1000	µg/L	20	3/15/2011 03:45 PM		
2,4-Dinitrotoluene	ND	200	µg/L	20	3/15/2011 03:45 PM		
2,6-Dinitrotoluene	ND	200	µg/L	20	3/15/2011 03:45 PM		
2-Chloronaphthalene	ND	200	µg/L	20	3/15/2011 03:45 PM		
2-Chlorophenol	ND	200	µg/L	20	3/15/2011 03:45 PM		
2-Methylnaphthalene	ND	200	µg/L	20	3/15/2011 03:45 PM		
2-Methylphenol	ND	200	µg/L	20	3/15/2011 03:45 PM		
2-Nitroaniline	ND	1000	µg/L	20	3/15/2011 03:45 PM		
2-Nitrophenol	ND	200	µg/L	20	3/15/2011 03:45 PM		
3,3'-Dichlorobenzidine	ND	400	µg/L	20	3/15/2011 03:45 PM		
3-Nitroaniline	ND	1000	µg/L	20	3/15/2011 03:45 PM		
4,6-Dinitro-2-methylphenol	ND	1000	µg/L	20	3/15/2011 03:45 PM		
4-Bromophenyl-phenylether	ND	200	µg/L	20	3/15/2011 03:45 PM		
4-Chloro-3-methylphenol	ND	1000	µg/L	20	3/15/2011 03:45 PM		
4-Chloroaniline	ND	400	µg/L	20	3/15/2011 03:45 PM		
4-Chlorophenyl-phenylether	ND	200	µg/L	20	3/15/2011 03:45 PM		
4-Methylphenol	ND	200	µg/L	20	3/15/2011 03:45 PM		
4-Nitroaniline	ND	400	µg/L	20	3/15/2011 03:45 PM		
4-Nitrophenol	ND	1000	µg/L	20	3/15/2011 03:45 PM		
Acenaphthene	ND	200	µg/L	20	3/15/2011 03:45 PM		
Acenaphthylene	ND	200	µg/L	20	3/15/2011 03:45 PM		
Anthracene	ND	200	µg/L	20	3/15/2011 03:45 PM		
Benzidine (M)	ND	1000	µg/L	20	3/15/2011 03:45 PM		
Benzo(a)anthracene	ND	200	µg/L	20	3/15/2011 03:45 PM		
Benzo(a)pyrene	ND	200	µg/L	20	3/15/2011 03:45 PM		
Benzo(b)fluoranthene	ND	200	µg/L	20	3/15/2011 03:45 PM		
Benzo(g,h,i)perylene	ND	200	µg/L	20	3/15/2011 03:45 PM		

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-004C

Client Sample ID: MW-15
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID: MS 13_110315D	QC Batch: 71420	PrepDate: 3/10/2011	Analyst: JSD
Benzo(k)fluoranthene	ND	200	µg/L
Benzoic acid	ND	1000	µg/L
Benzyl alcohol	ND	400	µg/L
Bis(2-chloroethoxy)methane	ND	200	µg/L
Bis(2-chloroethyl)ether	ND	200	µg/L
Bis(2-chloroisopropyl)ether	ND	200	µg/L
Bis(2-ethylhexyl)phthalate	ND	200	µg/L
Butylbenzylphthalate	ND	200	µg/L
Chrysene	ND	200	µg/L
Di-n-butylphthalate	ND	200	µg/L
Di-n-octylphthalate	ND	200	µg/L
Dibenz(a,h)anthracene	ND	200	µg/L
Dibenzofuran	ND	200	µg/L
Diethylphthalate	ND	200	µg/L
Dimethylphthalate	ND	200	µg/L
Fluoranthene	ND	200	µg/L
Fluorone	ND	200	µg/L
Hexachlorobenzene	ND	200	µg/L
Hexachlorobutadiene	ND	400	µg/L
Hexachlorocyclopentadiene	ND	200	µg/L
Hexachloroethane	ND	200	µg/L
Indeno(1,2,3-cd)pyrene	ND	200	µg/L
Isophorone	ND	200	µg/L
N-Nitrosodi-n-propylamine	ND	200	µg/L
N-Nitrosodiphenylamine	ND	200	µg/L
Naphthalene	ND	200	µg/L
Nitrobenzene	ND	200	µg/L
Pentachlorophenol	ND	1000	µg/L
Phenanthrene	ND	200	µg/L
Phenol	ND	200	µg/L
Pyrene	ND	200	µg/L
Surr: 1,2-Dichlorobenzene-d4	63.8	46-97	%REC
Surr: 2,4,6-Trichlorophenol	99.2	59-124	%REC
Surr: 2-Chlorophenol-d4	50.8	49-93	%REC
Surr: 2-Fluorobiphenyl	76.2	57-107	%REC

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
 Lab Order: 116746
 Project: SHHC Site
 Lab ID: 116746-004C

Client Sample ID: MW-15
 Collection Date: 3/3/2011
 Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS 13_110315B	GC Batch:	71420	PrepDate:	3/10/2011	Analyst:	JSD
Surr: 2-Fluorophenol	33.0	27-60	%REC	20	3/15/2011 03:45 PM		
Surr: 4-Terphenyl-d14	79.8	69-132	%REC	20	3/15/2011 03:45 PM		
Surr: Nitrobenzene-d5	61.6	52-107	%REC	20	3/15/2011 03:45 PM		
Surr: Phenol-d5	20.0	15-50	%REC	20	3/15/2011 03:45 PM		

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	11	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DD	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation **Client Sample ID:** MW-15
Lab Order: 116746 **Collection Date:** 3/3/2011
Project: SHHC Site **Matrix:** GROUNDWATER
Lab ID: 116746-004D

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C		EPA 8015B(M)			
RunID: GC18_110311C	QC Batch: 71410			PrepDate:	3/9/2011	Analyst: MFR
ORO	5.5	2.0		mg/L	10	3/11/2011 03:54 PM
Sum: p-Terphenyl	70.9	36-126		%REC	10	3/11/2011 03:54 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference
 Results are wet unless otherwise specified
 DO Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-15

Lab Order: 116746

Collection Date: 3/3/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-004E

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SILICA GEL CLEANUP DRO BY GC-FID

EPA 3510C

EPA 8015B(M)

RunID: GC16_110314C	QC Batch: 71451	PrepDate: 3/16/2011	Analyst: CBR
DRO	0.57	0.20	mg/L
Surr: p-Terphenyl	57.7	35-126	%REC

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DD Surrogate Diluted Out

- E Value above quantitation range
 - ND Not Detected at the Reporting Limit
- Results are wet unless otherwise specified



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-J4

Lab Order: 116746

Collection Date: 3/3/2011

Project: SHIC Site

Matrix: GROUNDWATER

Lab ID: 116746-005A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_110309A	QC Batch: A11VW046	PrepDate:	Analyst: SLL		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	1	3/9/2011 11:48 AM
1,1,1-Trichloroethane	ND	5.0	µg/L	1	3/9/2011 11:48 AM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	1	3/9/2011 11:48 AM
1,1,2-Trichloroethane	ND	5.0	µg/L	1	3/9/2011 11:48 AM
1,1-Dichloroethane	ND	5.0	µg/L	1	3/9/2011 11:48 AM
1,1-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 11:48 AM
1,1-Dichloropropene	ND	5.0	µg/L	1	3/9/2011 11:48 AM
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	3/9/2011 11:48 AM
1,2,3-Trichloropropane	ND	5.0	µg/L	1	3/9/2011 11:48 AM
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	3/9/2011 11:48 AM
1,2,4-Trimethylbenzene	ND	5.0	µg/L	1	3/9/2011 11:48 AM
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	1	3/9/2011 11:48 AM
1,2-Dibromoethane	ND	5.0	µg/L	1	3/9/2011 11:48 AM
1,2-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 11:48 AM
1,2-Dichloroethane	ND	5.0	µg/L	1	3/9/2011 11:48 AM
1,2-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 11:48 AM
1,3,5-Trimeitylbenzene	ND	5.0	µg/L	1	3/9/2011 11:48 AM
1,3-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 11:48 AM
1,3-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 11:48 AM
1,4-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 11:48 AM
2,2-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 11:48 AM
2-Chlorotoluene	ND	5.0	µg/L	1	3/9/2011 11:48 AM
4-Chlorotoluene	ND	5.0	µg/L	1	3/9/2011 11:48 AM
4-Isopropyltoluene	ND	5.0	µg/L	1	3/9/2011 11:48 AM
Benzene	ND	5.0	µg/L	1	3/9/2011 11:48 AM
Bromobenzene	ND	5.0	µg/L	1	3/9/2011 11:48 AM
Bromodichloromethane	ND	5.0	µg/L	1	3/9/2011 11:48 AM
Bromoform	ND	5.0	µg/L	1	3/9/2011 11:48 AM
Bromomethane	ND	5.0	µg/L	1	3/9/2011 11:48 AM
Carbon tetrachloride	ND	5.0	µg/L	1	3/9/2011 11:48 AM
Chlorobenzene	ND	5.0	µg/L	1	3/9/2011 11:48 AM
Chloroethane	ND	5.0	µg/L	1	3/9/2011 11:48 AM
Chloroform	ND	5.0	µg/L	1	3/9/2011 11:48 AM
Chloromethane	ND	5.0	µg/L	1	3/9/2011 11:48 AM
cis-1,2-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 11:48 AM

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DD Surrogate Diluted Out

E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-14

Lab Order: 116746

Collection Date: 3/3/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-005A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_110309A	QC Batch: A11VW046	PrepDate:	Analyst: SLL
cis-1,3-Dichloropropene	ND	5.0	µg/L
Di-isopropyl ether	ND	5.0	µg/L
Dibromochloromethane	ND	5.0	µg/L
Dibromomethane	ND	5.0	µg/L
Dichlorodifluoromethane	ND	5.0	µg/L
Ethyl tert-butyl ether	ND	5.0	µg/L
Ethylbenzene	ND	5.0	µg/L
Hexachlorobutadiene	ND	5.0	µg/L
Isopropylbenzene	ND	5.0	µg/L
m,p-Xylene	ND	10	µg/L
Methylene chloride	ND	5.0	µg/L
MTBE	ND	5.0	µg/L
n-Butylbenzene	ND	5.0	µg/L
n-Propylbenzene	ND	5.0	µg/L
Naphthalene	ND	5.0	µg/L
o-Xylene	ND	5.0	µg/L
sec-Butylbenzene	ND	5.0	µg/L
Styrene	ND	5.0	µg/L
Tert-amyl methyl ether	ND	5.0	µg/L
Tert-Butanol	ND	100	µg/L
tert-Butylbenzene	ND	5.0	µg/L
Tetrachloroethene	ND	5.0	µg/L
Toluene	ND	5.0	µg/L
trans-1,2-Dichloroethene	ND	5.0	µg/L
Trichloroethene	ND	5.0	µg/L
Trichlorofluoromethane	ND	5.0	µg/L
Vinyl chloride	ND	5.0	µg/L
Sum: 1,2-Dichlorobenzene-d4	95.9	70-130	%REC
Sum: 4-Bromofluorobenzene	113	70-130	%REC
Sum: Dibromofluoromethane	99.0	70-130	%REC
Sum: Toluene-d8	108	70-130	%REC

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation Client Sample ID: MW-14
 Lab Order: 116746 Collection Date: 3/3/2011
 Project: SHHC Site Matrix: GROUNDWATER
 Lab ID: 116746-005B

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC19_110309A	QC Batch: M11VW049	PrepDate:	Analyst: DDL
GRO	ND	0.20	mg/L
Surrogate: Bromofluorobenzene (FID)	99.7	70-130	%REC

3/9/2011 02:06 PM

3/9/2011 02:06 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	B	Value above quantitation range
	H	Holding Gases for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DD	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-005C

Client Sample ID: MW-14
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS 13_110315H	QC Batch:	71420	PrepDate:	3/10/2011	Analyst:	JSD
1,2,4-Trichlorobenzene	ND	10	µg/L	1	3/15/2011 04:12 PM		
1,2-Dichlorobenzene	ND	10	µg/L	1	3/15/2011 04:12 PM		
1,3-Dichlorobenzene	ND	10	µg/L	1	3/15/2011 04:12 PM		
1,4-Dichlorobenzene	ND	10	µg/L	1	3/15/2011 04:12 PM		
2,4,6-Trichlorophenol	ND	10	µg/L	1	3/15/2011 04:12 PM		
2,4,6-Trichlorophenol	ND	10	µg/L	1	3/15/2011 04:12 PM		
2,4-Dichlorophenol	ND	10	µg/L	1	3/15/2011 04:12 PM		
2,4-Dimethylphenol	ND	10	µg/L	1	3/15/2011 04:12 PM		
2,4-Dinitrophenol	ND	50	µg/L	1	3/15/2011 04:12 PM		
2,4-Dinitrotoluene	ND	10	µg/L	1	3/15/2011 04:12 PM		
2,6-Dinitrotoluene	ND	10	µg/L	1	3/15/2011 04:12 PM		
2-Chloronaphthalene	ND	10	µg/L	1	3/15/2011 04:12 PM		
2-Chlorophenol	ND	10	µg/L	1	3/15/2011 04:12 PM		
2-Methylnaphthalene	ND	10	µg/L	1	3/15/2011 04:12 PM		
2-Methylphenol	ND	10	µg/L	1	3/15/2011 04:12 PM		
2-Nitroaniline	ND	50	µg/L	1	3/15/2011 04:12 PM		
2-Nitrophenol	ND	10	µg/L	1	3/15/2011 04:12 PM		
3,3'-Dichlorobenzidine	ND	20	µg/L	1	3/15/2011 04:12 PM		
3-Nitroaniline	ND	50	µg/L	1	3/15/2011 04:12 PM		
4,6-Dinitro-2-methylphenol	ND	50	µg/L	1	3/15/2011 04:12 PM		
4-Bromophenyl-phenylether	ND	10	µg/L	1	3/15/2011 04:12 PM		
4-Chloro-3-methylphenol	ND	50	µg/L	1	3/15/2011 04:12 PM		
4-Chloroaniline	ND	20	µg/L	1	3/15/2011 04:12 PM		
4-Chlorophenyl-phenylether	ND	10	µg/L	1	3/15/2011 04:12 PM		
4-Methylphenol	ND	10	µg/L	1	3/15/2011 04:12 PM		
4-Nitroaniline	ND	20	µg/L	1	3/15/2011 04:12 PM		
4-Nitrophenol	ND	50	µg/L	1	3/15/2011 04:12 PM		
Acenaphthene	ND	10	µg/L	1	3/15/2011 04:12 PM		
Acenaphthylene	ND	10	µg/L	1	3/15/2011 04:12 PM		
Anthracene	ND	10	µg/L	1	3/15/2011 04:12 PM		
Benidine (M)	ND	50	µg/L	1	3/15/2011 04:12 PM		
Benzo(a)anthracene	ND	10	µg/L	1	3/15/2011 04:12 PM		
Benzo(a)pyrene	ND	10	µg/L	1	3/15/2011 04:12 PM		
Benzo(b)fluoranthene	ND	10	µg/L	1	3/15/2011 04:12 PM		
Benzo(g,h,i)perylene	ND	10	µg/L	1	3/15/2011 04:12 PM		

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-14

Lab Order: 116746

Collection Date: 3/3/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-005C

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS 13_110315B	GC Batch:	71420	PrepDate:	3/10/2011	Analyst:	JSD
Benzo(k)fluoranthene	ND	10	µg/L	1	3/15/2011 04:12 PM		
Benzoic acid	ND	50	µg/L	1	3/15/2011 04:12 PM		
Benzyl alcohol	ND	20	µg/L	1	3/15/2011 04:12 PM		
Bis(2-chloroethoxy)methane	ND	10	µg/L	1	3/15/2011 04:12 PM		
Bis(2-chloroethyl)ether	ND	10	µg/L	1	3/15/2011 04:12 PM		
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1	3/15/2011 04:12 PM		
Bis(2-ethylhexyl)phthalate	ND	10	µg/L	1	3/15/2011 04:12 PM		
Butylbenzylphthalate	ND	10	µg/L	1	3/15/2011 04:12 PM		
Chrysene	ND	10	µg/L	1	3/15/2011 04:12 PM		
Di-n-butylphthalate	ND	10	µg/L	1	3/15/2011 04:12 PM		
Di-n-octylphthalate	ND	10	µg/L	1	3/15/2011 04:12 PM		
Dibenz(a,h)anthracene	ND	10	µg/L	1	3/15/2011 04:12 PM		
Dibenzofuran	ND	10	µg/L	1	3/15/2011 04:12 PM		
Diethylphthalate	ND	10	µg/L	1	3/15/2011 04:12 PM		
Dimethylphthalate	ND	10	µg/L	1	3/15/2011 04:12 PM		
Fluoranthene	ND	10	µg/L	1	3/15/2011 04:12 PM		
Fluorene	ND	10	µg/L	1	3/15/2011 04:12 PM		
Hexachlorobenzene	ND	10	µg/L	1	3/15/2011 04:12 PM		
Hexachlorobutadiene	ND	20	µg/L	1	3/15/2011 04:12 PM		
Hexachlorocyclopentadiene	ND	10	µg/L	1	3/15/2011 04:12 PM		
Hexachlorocyclopentadiene	ND	10	µg/L	1	3/15/2011 04:12 PM		
Indeno(1,2,3-cd)pyrene	ND	10	µg/L	1	3/15/2011 04:12 PM		
Isophorone	ND	10	µg/L	1	3/15/2011 04:12 PM		
N-Nitrosodi-n-propylamine	ND	10	µg/L	1	3/15/2011 04:12 PM		
N-Nitrosodiphenylamine	ND	10	µg/L	1	3/15/2011 04:12 PM		
Naphthalene	ND	10	µg/L	1	3/15/2011 04:12 PM		
Nitrobenzene	ND	10	µg/L	1	3/15/2011 04:12 PM		
Pentachlorophenol	ND	50	µg/L	1	3/15/2011 04:12 PM		
Phenanthrene	ND	10	µg/L	1	3/15/2011 04:12 PM		
Phenol	ND	10	µg/L	1	3/15/2011 04:12 PM		
Pyrene	ND	10	µg/L	1	3/15/2011 04:12 PM		
Sum: 1,2-Dichlorobenzene-d4	57.3	46-97	%REC	1	3/15/2011 04:12 PM		
Sum: 2,4,6-Tribromophenol	95.0	59-124	%REC	1	3/15/2011 04:12 PM		
Sum: 2-Chlorophenol-d4	52.3	49-93	%REC	1	3/15/2011 04:12 PM		
Sum: 2-Fluorobiphenyl	67.3	57-107	%REC	1	3/15/2011 04:12 PM		

Qualifiers: H Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference
 DD Surrogate Diluted Out

E Value above quantitation range
 ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified



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Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-14

Lab Order: 116746

Collection Date: 3/3/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-005C

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS 13_110316S	QC Batch:	71420	PrepDate:	3/10/2011	Analyst:	JSD
Surr: 2-Fluorophenol	30.9	27-03	%REC	1	3/15/2011 04:12 PM		
Surr: 4-Terphenyl-d14	79.7	69-132	%REC	1	3/15/2011 04:12 PM		
Surr: Nitrobenzene-d5	58.7	52-107	%REC	1	3/15/2011 04:12 PM		
Surr: Phenol-d5	23.2	15-50	%REC	1	3/15/2011 04:12 PM		

Qualifiers:	B	Analyte detected in the associated Method Blank	B	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation **Client Sample ID:** MW-14
Lab Order: 116746 **Collection Date:** 3/3/2011
Project: SHHC Site **Matrix:** GROUNDWATER
Lab ID: 116746-005D

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C		EPA 8015B(M)			
RunID: GC16_110311C	QC Batch: 71410				PrepDate: 3/9/2011	Analyst: MFR
DSO	ND	0.20		mg/L	1	3/11/2011 02:46 PM
Surrogate: p-Torphenyl	82.6	36-126		%REC	1	3/11/2011 02:46 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spiker/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-005E

Client Sample ID: MW-14
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3510C			EPA 8015B(M)			
RunID: GC16_110S14C	QC Batch: 71461	PrepDate:		3/10/2011	Analyst: CBR	
DRO	ND	0.20	mg/L	1	3/15/2011 12:28 AM	
Sur: p-Terphenyl	63.1	38-126	%REC	1	3/15/2011 12:28 AM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analyses exceeded	ND	Not Detected at the Reporting Limit
	S	Spiked/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-006A

Client Sample ID: MW-12
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

Run#ID	MS2_110310A	QC Batch:	Q11VW025	PrepDate:	Analyst: SLL
1,1,1,2-Tetrachloroethane	ND	10	µg/L	2	3/10/2011 09:34 AM
1,1,1-Trichloroethane	ND	10	µg/L	2	3/10/2011 09:34 AM
1,1,2,2-Tetrachloroethane	ND	10	µg/L	2	3/10/2011 09:34 AM
1,1,2-Trichloroethane	ND	10	µg/L	2	3/10/2011 09:34 AM
1,1-Dichloroethane	ND	10	µg/L	2	3/10/2011 09:34 AM
1,1-Dichloroethene	ND	10	µg/L	2	3/10/2011 09:34 AM
1,1-Dichloropropene	ND	10	µg/L	2	3/10/2011 09:34 AM
1,2,3-Trichlorobenzene	ND	10	µg/L	2	3/10/2011 09:34 AM
1,2,3-Trichloropropane	ND	10	µg/L	2	3/10/2011 09:34 AM
1,2,4-Trichlorobenzene	ND	10	µg/L	2	3/10/2011 09:34 AM
1,2,4-Trimethylbenzene	730	250	µg/L	50	3/9/2011 03:43 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/L	2	3/10/2011 09:34 AM
1,2-Dibromoethane	ND	10	µg/L	2	3/10/2011 09:34 AM
1,2-Dichlorobenzene	ND	10	µg/L	2	3/10/2011 09:34 AM
1,2-Dichloroethane	ND	10	µg/L	2	3/10/2011 09:34 AM
1,2-Dichloropropane	ND	10	µg/L	2	3/10/2011 09:34 AM
1,3,5-Trimethylbenzene	110	10	µg/L	2	3/10/2011 09:34 AM
1,3-Dichlorobenzene	ND	10	µg/L	2	3/10/2011 09:34 AM
1,3-Dichloropropane	ND	10	µg/L	2	3/10/2011 09:34 AM
1,4-Dichlorobenzene	ND	10	µg/L	2	3/10/2011 09:34 AM
2,2-Dichloropropane	ND	10	µg/L	2	3/10/2011 09:34 AM
2-Chlorotoluene	ND	10	µg/L	2	3/10/2011 09:34 AM
4-Chlorotoluene	ND	10	µg/L	2	3/10/2011 09:34 AM
4-Isopropyltoluene	25	10	µg/L	2	3/10/2011 09:34 AM
Benzene	ND	10	µg/L	2	3/10/2011 09:34 AM
Bromobenzene	ND	10	µg/L	2	3/10/2011 09:34 AM
Bromodichloromethane	ND	10	µg/L	2	3/10/2011 09:34 AM
Bromoform	ND	10	µg/L	2	3/10/2011 09:34 AM
Bromomethane	ND	10	µg/L	2	3/10/2011 09:34 AM
Carbon tetrachloride	ND	10	µg/L	2	3/10/2011 09:34 AM
Chlorobenzene	ND	10	µg/L	2	3/10/2011 09:34 AM
Chloroethane	ND	10	µg/L	2	3/10/2011 09:34 AM
Chloroform	ND	10	µg/L	2	3/10/2011 09:34 AM
Chloromethane	ND	10	µg/L	2	3/10/2011 09:34 AM
cis-1,2-Dichloroethene	ND	10	µg/L	2	3/10/2011 09:34 AM

Qualifier:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-12

Lab Order: 116746

Collection Date: 3/3/2011

Project: SJHC Site

Matrix: GROUNDWATER

Lab ID: 116746-006A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS2_110310A	QC Batch: Q11VW025	PrepDate:	Analyst: SLL		
cis-1,3-Dichloropropene	ND	10	µg/L	2	3/10/2011 09:34 AM
Di-isopropyl ether	ND	10	µg/L	2	3/10/2011 09:34 AM
Dibromochloromethane	ND	10	µg/L	2	3/10/2011 09:34 AM
Dibromomethane	ND	10	µg/L	2	3/10/2011 09:34 AM
Dichlorodifluoromethane	ND	10	µg/L	2	3/10/2011 09:34 AM
Ethyl tert-butyl ether	ND	10	µg/L	2	3/10/2011 09:34 AM
Ethylbenzene	470	250	µg/L	50	3/9/2011 03:43 PM
Hexachlorobutadiene	ND	10	µg/L	2	3/10/2011 09:34 AM
Isopropylbenzene	130	10	µg/L	2	3/10/2011 09:34 AM
m,p-Xylene	270	20	µg/L	2	3/10/2011 09:34 AM
Methylene chloride	ND	10	µg/L	2	3/10/2011 09:34 AM
MTBE	ND	10	µg/L	2	3/10/2011 09:34 AM
n-Butylbenzene	28	10	µg/L	2	3/10/2011 09:34 AM
n-Propylbenzene	130	10	µg/L	2	3/10/2011 09:34 AM
Naphthalene	420	250	µg/L	50	3/9/2011 03:43 PM
o-Xylene	ND	10	µg/L	2	3/10/2011 09:34 AM
sec-Butylbenzene	35	10	µg/L	2	3/10/2011 09:34 AM
Styrene	ND	10	µg/L	2	3/10/2011 09:34 AM
Tert-amyl methyl ether	ND	10	µg/L	2	3/10/2011 09:34 AM
Tert-Butanol	320	200	µg/L	2	3/10/2011 09:34 AM
tert-Butylbenzene	ND	10	µg/L	2	3/10/2011 09:34 AM
Tetrachloroethene	ND	10	µg/L	2	3/10/2011 09:34 AM
Toluene	ND	10	µg/L	2	3/10/2011 09:34 AM
trans-1,2-Dichloroethene	ND	10	µg/L	2	3/10/2011 09:34 AM
Trichlorobenzene	ND	10	µg/L	2	3/10/2011 09:34 AM
Trichlorofluoromethane	ND	10	µg/L	2	3/10/2011 09:34 AM
Vinyl chloride	ND	10	µg/L	2	3/10/2011 09:34 AM
Surr: 1,2-Dichloroethane-d4	83.5	70-130	%REC	2	3/10/2011 09:34 AM
Surr: 1,2-Dichloroethane-d4	92.1	70-130	%REC	50	3/9/2011 03:43 PM
Surr: 4-Bromodifluorobenzene	116	70-130	%REC	50	3/9/2011 03:43 PM
Surr: 4-Bromodifluorobenzene	110	70-130	%REC	2	3/10/2011 09:34 AM
Surr: Dibromodifluoromethane	95.0	70-130	%REC	50	3/9/2011 03:43 PM
Surr: Dibromodifluoromethane	80.6	70-130	%REC	2	3/10/2011 09:34 AM
Surr: Toluene-d8	99.2	70-130	%REC	2	3/10/2011 09:34 AM
Surr: Toluene-d8	110	70-130	%REC	50	3/9/2011 03:43 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-12

Lab Order: 116746

Collection Date: 3/3/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-006B

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC18_110309A	QC Batch: M11VW049	PrepDate:	Analyst: DDL
GRO	14	2.0	mg/L
Surr: Bromofluorobenzene (FID)	125	70-130	%REC

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-006C

Client Sample ID: MW-12
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS #3_110315B	QC Balctr:	71420	PrepDate:	3/10/2011	Analyst: JSD
1,2,4-Trichlorobenzene	ND	200	µg/L	20	3/15/2011 04:40 PM	
1,2-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 04:40 PM	
1,3-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 04:40 PM	
1,4-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 04:40 PM	
2,4,5-Trichlorophenol	ND	200	µg/L	20	3/15/2011 04:40 PM	
2,4,6-Trichlorophenol	ND	200	µg/L	20	3/15/2011 04:40 PM	
2,4-Dichlorophenol	ND	200	µg/L	20	3/15/2011 04:40 PM	
2,4-Dimethylphenol	ND	200	µg/L	20	3/15/2011 04:40 PM	
2,4-Dinitrophenol	ND	1000	µg/L	20	3/15/2011 04:40 PM	
2,4-Dinitrotoluene	ND	200	µg/L	20	3/15/2011 04:40 PM	
2,6-Dinitrotoluene	ND	200	µg/L	20	3/15/2011 04:40 PM	
2-Chloronaphthalene	ND	200	µg/L	20	3/15/2011 04:40 PM	
2-Chlorophenol	ND	200	µg/L	20	3/15/2011 04:40 PM	
2-Methylnaphthalene	ND	200	µg/L	20	3/15/2011 04:40 PM	
2-Methylphenol	ND	200	µg/L	20	3/15/2011 04:40 PM	
2-Nitroaniline	ND	1000	µg/L	20	3/15/2011 04:40 PM	
2-Nitrophenol	ND	200	µg/L	20	3/15/2011 04:40 PM	
3,3'-Dichlorobenzidine	ND	400	µg/L	20	3/15/2011 04:40 PM	
3-Nitroaniline	ND	1000	µg/L	20	3/15/2011 04:40 PM	
4,6-Dinitro-2-methylphenol	ND	1000	µg/L	20	3/15/2011 04:40 PM	
4-Bromophenyl-phenylether	ND	200	µg/L	20	3/15/2011 04:40 PM	
4-Chloro-3-methylphenol	ND	1000	µg/L	20	3/15/2011 04:40 PM	
4-Chloroaniline	ND	400	µg/L	20	3/15/2011 04:40 PM	
4-Chlorophenyl-phenylether	ND	200	µg/L	20	3/15/2011 04:40 PM	
4-Methylphenol	ND	200	µg/L	20	3/15/2011 04:40 PM	
4-Nitroaniline	ND	400	µg/L	20	3/15/2011 04:40 PM	
4-Nitrophenol	ND	1000	µg/L	20	3/15/2011 04:40 PM	
Acenaphthene	ND	200	µg/L	20	3/15/2011 04:40 PM	
Acenaphthylene	ND	200	µg/L	20	3/15/2011 04:40 PM	
Anthracene	ND	200	µg/L	20	3/15/2011 04:40 PM	
Benazidine (M)	ND	1000	µg/L	20	3/15/2011 04:40 PM	
Benzo(a)anthracene	ND	200	µg/L	20	3/15/2011 04:40 PM	
Benzo(a)pyrene	ND	200	µg/L	20	3/15/2011 04:40 PM	
Benzo(b)fluoranthene	ND	200	µg/L	20	3/15/2011 04:40 PM	
Benzo(g,h,i)perylene	ND	200	µg/L	20	3/15/2011 04:40 PM	

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out

E Value above quantitation range
ND Not Detected in the Reporting Limit
Results are wet unless otherwise specified



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-006C

Client Sample ID: MW-12
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID: MS 13_110315H	QC Batch: 71420	PrepDate: 3/10/2011	Analyst: JSD		
Benzo(k)fluoranthene	ND	200	µg/L	20	3/15/2011 04:40 PM
Benzoic acid	ND	1000	µg/L	20	3/15/2011 04:40 PM
Benzyl alcohol	ND	400	µg/L	20	3/15/2011 04:40 PM
Bis(2-chloroethoxy)methane	ND	200	µg/L	20	3/15/2011 04:40 PM
Bis(2-chloroethyl)ether	ND	200	µg/L	20	3/15/2011 04:40 PM
Bis(2-chloroisopropyl)ether	ND	200	µg/L	20	3/15/2011 04:40 PM
Bis(2-ethylhexyl)phthalate	ND	200	µg/L	20	3/15/2011 04:40 PM
Butylbenzylphthalate	ND	200	µg/L	20	3/15/2011 04:40 PM
Chrysene	ND	200	µg/L	20	3/15/2011 04:40 PM
Di-n-butylphthalate	ND	200	µg/L	20	3/15/2011 04:40 PM
Di-n-octylphthalate	ND	200	µg/L	20	3/15/2011 04:40 PM
Dibenz(a,h)anthracene	ND	200	µg/L	20	3/15/2011 04:40 PM
Dibenzofuran	ND	200	µg/L	20	3/15/2011 04:40 PM
Diethylphthalate	ND	200	µg/L	20	3/15/2011 04:40 PM
Dimethylphthalate	ND	200	µg/L	20	3/15/2011 04:40 PM
Fluoranthene	ND	200	µg/L	20	3/15/2011 04:40 PM
Fluorene	ND	200	µg/L	20	3/15/2011 04:40 PM
Hexachlorobenzene	ND	200	µg/L	20	3/15/2011 04:40 PM
Hexachlorobutadiene	ND	400	µg/L	20	3/15/2011 04:40 PM
Hexachlorocyclopentadiene	ND	200	µg/L	20	3/15/2011 04:40 PM
Hexachloroethane	ND	200	µg/L	20	3/15/2011 04:40 PM
Indeno(1,2,3-cd)pyrene	ND	200	µg/L	20	3/15/2011 04:40 PM
Isophorone	ND	200	µg/L	20	3/15/2011 04:40 PM
N-Nitrosodi-n-propylamine	ND	200	µg/L	20	3/15/2011 04:40 PM
N-Nitrosodiphenylamine	ND	200	µg/L	20	3/15/2011 04:40 PM
Naphthalene	ND	200	µg/L	20	3/15/2011 04:40 PM
Nitrobenzene	ND	200	µg/L	20	3/15/2011 04:40 PM
Pentachlorophenol	ND	1000	µg/L	20	3/15/2011 04:40 PM
Phenanthrene	ND	200	µg/L	20	3/15/2011 04:40 PM
Phenol	ND	200	µg/L	20	3/15/2011 04:40 PM
Pyrene	ND	200	µg/L	20	3/15/2011 04:40 PM
Sum: 1,2-Dichlorobenzene-d4	82.2	46-97	%REC	20	3/15/2011 04:40 PM
Sum: 2,4,6-Tribromophenol	107	59-124	%REC	20	3/15/2011 04:40 PM
Sum: 2-Chlorophenol-d4	64.0	49-93	%REC	20	3/15/2011 04:40 PM
Sum: 2-Fluorobiphenyl	87.0	57-107	%REC	20	3/15/2011 04:40 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	B	Value above quantitation range
	II	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	SD	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-12

Lab Order: 116746

Collection Date: 3/3/2011

Project: SHBC Site

Matrix: GROUNDWATER

Lab ID: 116746-006C

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3510C****EPA 8270C**

RunID: MS_13_110315B	QC Batch: 71420	PrepDate: 3/10/2011	Analyst: JSD
Surr: 2-Fluorophenol	34.2	27-60	%REC 20 3/15/2011 04:40 PM
Surr: 4-Terphenyl-d14	85.8	69-132	%REC 20 3/15/2011 04:40 PM
Surr: Nitrobenzene-d5	77.6	52-107	%REC 20 3/15/2011 04:40 PM
Surr: Phenol-d5	23.4	15-50	%REC 20 3/15/2011 04:40 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	B	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: 16-Mar-11

Advanced Technology Laboratories

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-12

Lab Order: 116746

Collection Date: 3/3/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-006D

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3510C

EPA 8015B(M)

RunID: GC16_110311C QC Batch: 71410 PrepDate: 3/9/2011 Analyst: MFR

DRO 9.2 2.0 mg/L 10 3/11/2011 04:04 PM

Surr: p-Terphenyl 71.6 36-126 %REC 10 3/11/2011 04:04 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	B	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-12

Lab Order: 116746

Collection Date: 3/3/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-006E

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SILICA GEL CLEANUP DRO BY GC-FID

EPA 3510C

EPA 8015B(M)

RunID: GC16_110314C	QC Batch: 71451	PrepDate: 3/10/2011	Analyst: CBR
DRO	1.0	0.20	mg/L
Surr: p-Terphenyl	64.8	36-126	%REC

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SIBC Site
Lab ID: 116746-007A

Client Sample ID: MW-9
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_110309A	QC Batch: A11VW046	PrepDate:	Analyst: SLL		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	1	3/9/2011 06:03 PM
1,1,1-Trichloroethane	ND	5.0	µg/L	1	3/9/2011 06:03 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	1	3/9/2011 06:03 PM
1,1,2-Trichloroethane	ND	5.0	µg/L	1	3/9/2011 06:03 PM
1,1-Dichloroethane	ND	5.0	µg/L	1	3/9/2011 06:03 PM
1,1-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
1,1-Dichloropropene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
1,2,3-Trichloropropane	ND	5.0	µg/L	1	3/9/2011 06:03 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
1,2,4-Trimethylbenzene	12	5.0	µg/L	1	3/9/2011 06:03 PM
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	1	3/9/2011 06:03 PM
1,2-Dibromomethane	ND	5.0	µg/L	1	3/9/2011 06:03 PM
1,2-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
1,2-Dichloroethane	ND	5.0	µg/L	1	3/9/2011 06:03 PM
1,2-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 06:03 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
1,3-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
1,3-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 06:03 PM
1,4-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
2,2-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 06:03 PM
2-Chlorotoluene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
4-Chlorotoluene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
4-Isopropyltoluene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Benzene	50	5.0	µg/L	1	3/9/2011 06:03 PM
Bromobenzene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Bromochloromethane	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Bromoform	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Bromomethane	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Carbon tetrachloride	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Chlorobenzene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Chloroethane	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Chloroform	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Chloromethane	ND	5.0	µg/L	1	3/9/2011 06:03 PM
cis-1,2-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 06:03 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-007A

Client Sample ID: MW-9
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_110309A	QC Batch: A11VW046	PrepDate:	Analyst: SLL		
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Di-isopropyl ether	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Dibromochloromethane	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Dibromomethane	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Dichlorodifluoromethane	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Ethyl tert-butyl ether	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Ethylbenzene	59	5.0	µg/L	1	3/9/2011 06:03 PM
Hexachlorobutadiene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Isopropylbenzene	55	5.0	µg/L	1	3/9/2011 06:03 PM
m,p-Xylene	82	10	µg/L	1	3/9/2011 06:03 PM
Methylene chloride	ND	5.0	µg/L	1	3/9/2011 06:03 PM
MTBE	ND	5.0	µg/L	1	3/9/2011 06:03 PM
n-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
n-Propylbenzene	53	5.0	µg/L	1	3/9/2011 06:03 PM
Naphthalene	130	50	µg/L	10	3/9/2011 06:23 PM
o-Xylene	6.5	5.0	µg/L	1	3/9/2011 06:03 PM
sec-Butylbenzene	9.0	5.0	µg/L	1	3/9/2011 06:03 PM
Styrene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Tert-amyl methyl ether	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Tert-Butanol	ND	100	µg/L	1	3/9/2011 06:03 PM
tert-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Tetrachloroethene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Toluene	5.4	5.0	µg/L	1	3/9/2011 06:03 PM
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Trichloroethene	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Trichlorofluoromethane	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Vinyl chloride	ND	5.0	µg/L	1	3/9/2011 06:03 PM
Surr: 1,2-Dichloroethane-d4	90.9	70-130	%REC	1	3/9/2011 06:03 PM
Surr: 1,2-Dichloroethane-d4	91.0	70-130	%REC	10	3/9/2011 06:23 PM
Surr: 4-Bromofluorobenzene	129	70-130	%REC	1	3/9/2011 06:03 PM
Surr: 4-Bromofluorobenzene	119	70-130	%REC	10	3/9/2011 06:23 PM
Surr: Dibromofluoromethane	92.3	70-130	%REC	1	3/9/2011 06:03 PM
Surr: Dibromofluoromethane	94.0	70-130	%REC	10	3/9/2011 06:23 PM
Surr: Toluene-d8	113	70-130	%REC	10	3/9/2011 06:23 PM
Surr: Toluene-d8	120	70-130	%REC	1	3/9/2011 06:03 PM

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DD Surrogate Diluted Out

E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-9

Lab Order: 116746

Collection Date: 3/3/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-00713

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC19_110309A	QC Batch: M11VWC49	PrepDate:	Analyst: DDL
GRO	5.2	1.0	mg/L
Sur: Bromofluorobenzene (FID)	121	70-130	%REC
			5
			5

3/9/2011 02:45 PM

3/9/2011 02:45 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DC Surrogate Diluted Out

- E Value above quantitation range
 - ND Not Detected at the Reporting Limit
- Results are wet unless otherwise specified



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-007C

Client Sample ID: MW-9
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS 13_110315B	QC Batch:	71420	PrepDate:	3/10/2011	Analyst:	JSD
1,2,4-Trichlorobenzene	ND	200	µg/L	20	3/15/2011 05:07 PM		
1,2-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 05:07 PM		
1,3-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 05:07 PM		
1,4-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 05:07 PM		
2,4,5-Trichlorophenol	ND	200	µg/L	20	3/15/2011 05:07 PM		
2,4,6-Trichlorophenol	ND	200	µg/L	20	3/15/2011 05:07 PM		
2,4-Dichlorophenol	ND	200	µg/L	20	3/15/2011 05:07 PM		
2,4-Dimethylphenol	ND	200	µg/L	20	3/15/2011 05:07 PM		
2,4-Dinitrophenol	ND	1000	µg/L	20	3/15/2011 05:07 PM		
2,4-Dinitrotoluene	ND	200	µg/L	20	3/15/2011 05:07 PM		
2,6-Dinitrotoluene	ND	200	µg/L	20	3/15/2011 05:07 PM		
2-Chloronaphthalene	ND	200	µg/L	20	3/15/2011 05:07 PM		
2-Chlorophenol	ND	200	µg/L	20	3/15/2011 05:07 PM		
2-Methylnaphthalene	ND	200	µg/L	20	3/15/2011 05:07 PM		
2-Methylphenol	ND	200	µg/L	20	3/15/2011 05:07 PM		
2-Nitroaniline	ND	1000	µg/L	20	3/15/2011 05:07 PM		
2-Nitrophenol	ND	200	µg/L	20	3/15/2011 05:07 PM		
3,3'-Dichlorobenzidine	ND	400	µg/L	20	3/15/2011 05:07 PM		
3-Nitroaniline	ND	1000	µg/L	20	3/15/2011 05:07 PM		
4,6-Dinitro-2-methylphenol	ND	1000	µg/L	20	3/15/2011 05:07 PM		
4-Bromophenyl-phenylether	ND	200	µg/L	20	3/15/2011 05:07 PM		
4-Chloro-3-methylphenol	ND	1000	µg/L	20	3/15/2011 05:07 PM		
4-Chloroaniline	ND	400	µg/L	20	3/15/2011 05:07 PM		
4-Chlorophenyl-phenylether	ND	200	µg/L	20	3/15/2011 05:07 PM		
4-Methylphenol	ND	200	µg/L	20	3/15/2011 05:07 PM		
4-Nitroaniline	ND	400	µg/L	20	3/15/2011 05:07 PM		
4-Nitrophenol	ND	1000	µg/L	20	3/15/2011 05:07 PM		
Acenaphthene	ND	200	µg/L	20	3/15/2011 05:07 PM		
Acenaphthylene	ND	200	µg/L	20	3/15/2011 05:07 PM		
Anthracene	ND	200	µg/L	20	3/15/2011 05:07 PM		
Benazidine (M)	ND	1000	µg/L	20	3/15/2011 05:07 PM		
Benzo(a)anthracene	ND	200	µg/L	20	3/15/2011 05:07 PM		
Benzo(a)pyrene	ND	200	µg/L	20	3/15/2011 05:07 PM		
Benzo(h)fluoranthene	ND	200	µg/L	20	3/15/2011 05:07 PM		
Benzo(g,h,i)perylene	ND	200	µg/L	20	3/15/2011 05:07 PM		

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	SI	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHJC Site
Lab ID: 116746-007C

Client Sample ID: MW-9
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS 13_110315B	OC Batch:	71420	PrepDate:	3/15/2011	Analyst:	JSD
Benzo(k)fluoranthene	ND	200	µg/L	20	3/15/2011 05:07 PM		
Benzoic acid	ND	1000	µg/L	20	3/15/2011 05:07 PM		
Benzyl alcohol	ND	400	µg/L	20	3/15/2011 05:07 PM		
Bis(2-chloroethoxy)methane	ND	200	µg/L	20	3/15/2011 05:07 PM		
Bis(2-chloroethyl)ether	ND	200	µg/L	20	3/15/2011 05:07 PM		
Bis(2-chloroisopropyl)ether	ND	200	µg/L	20	3/15/2011 05:07 PM		
Bis(2-ethylhexyl)phthalate	ND	200	µg/L	20	3/15/2011 05:07 PM		
Butylbenzylphthalate	ND	200	µg/L	20	3/15/2011 05:07 PM		
Chrysene	ND	200	µg/L	20	3/15/2011 05:07 PM		
Di-n-butylphthalate	ND	200	µg/L	20	3/15/2011 05:07 PM		
Di-n-octylphthalate	ND	200	µg/L	20	3/15/2011 05:07 PM		
Dibenz(a,h)anthracene	ND	200	µg/L	20	3/15/2011 05:07 PM		
Dibenzofuran	ND	200	µg/L	20	3/15/2011 05:07 PM		
Diethylphthalate	ND	200	µg/L	20	3/15/2011 05:07 PM		
Dimethylphthalate	ND	200	µg/L	20	3/15/2011 05:07 PM		
Fluoranthene	ND	200	µg/L	20	3/15/2011 05:07 PM		
Fluorene	ND	200	µg/L	20	3/15/2011 05:07 PM		
Hexachlorobenzene	ND	200	µg/L	20	3/15/2011 05:07 PM		
Hexachlorobutadiene	ND	400	µg/L	20	3/15/2011 05:07 PM		
Hexachlorocyclopentadiene	ND	200	µg/L	20	3/15/2011 05:07 PM		
Hexachlorocyclohexane	ND	200	µg/L	20	3/15/2011 05:07 PM		
Indeno(1,2,3-cd)pyrene	ND	200	µg/L	20	3/15/2011 05:07 PM		
Isophorone	ND	200	µg/L	20	3/15/2011 05:07 PM		
N-Nitrosodimethylpropylamine	ND	200	µg/L	20	3/15/2011 05:07 PM		
N-Nitrosodiphenylamine	ND	200	µg/L	20	3/15/2011 05:07 PM		
Naphthalene	ND	200	µg/L	20	3/15/2011 05:07 PM		
Nitrobenzene	ND	200	µg/L	20	3/15/2011 05:07 PM		
Pentachlorophenol	ND	1000	µg/L	20	3/15/2011 05:07 PM		
Phenanthrene	ND	200	µg/L	20	3/15/2011 05:07 PM		
Phenol	ND	200	µg/L	20	3/15/2011 05:07 PM		
Pyrene	ND	200	µg/L	20	3/15/2011 05:07 PM		
Sum: 1,2-Dichlorobenzene-d4	76.6	46-97	%REC	20	3/15/2011 05:07 PM		
Sum: 2,4,6-Tribromophenol	92.4	59-124	%REC	20	3/15/2011 05:07 PM		
Sum: 2-Chlorophenol-d4	62.0	49-93	%REC	20	3/15/2011 05:07 PM		
Sum: 2-Fluorobiphenyl	82.0	57-107	%REC	20	3/15/2011 05:07 PM		

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT:	Testa Environmental Corporation	Client Sample ID:	MW-9
Lab Order:	116746	Collection Date:	3/3/2011
Project:	SHHC Site	Matrix:	GROUNDWATER
Lab ID:	116746-007C		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
	EPA 3510C		EPA 8270C			
RunID: MS 13_110315B	GC Batch:	71420		PrepDate:	3/10/2011	Analyst: JSD
Surr: 2-Fluorophenol	33.0	27-60	%REC	20	3/15/2011 05:07 PM	
Surr: 4-Terphenyl-d14	82.4	69-132	%REC	20	3/15/2011 05:07 PM	
Surr: Nitrobenzene-d5	72.0	62-107	%REC	20	3/15/2011 05:07 PM	
Surr: Phenol-d5	22.4	15-50	%REC	20	3/15/2011 05:07 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation **Client Sample ID:** MW-9
Lab Order: 116746 **Collection Date:** 3/3/2011
Project: SHHC Site **Matrix:** GROUNDWATER
Lab ID: 116746-007D

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C		EPA 8015B(M)			
RunID: GC16_110311C	QC Batch: 71410				PrepDate: 3/9/2011	Analyst: MFR
DRO	2.3	2.0		mg/L	10	3/11/2011 04:52 PM
Sum: p-Terphenyl	104	36-126		%REC	10	3/11/2011 04:52 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 IE Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SIHIC Site
Lab ID: 116746-007E

Client Sample ID: MW-9
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
	EPA 3510C		EPA 8015B(M)			
RunID: GC16_110914C	QC Batch: 71451				PrepDate: 3/10/2011	Analyst: CBR
DRO	ND	0.20		mg/L	1	3/15/2011 01:43 AM
Surrogate: p-Terphenyl	57.6	36-126		%REC	1	3/15/2011 01:43 AM

Qualifiers: B Analyte detected in the associated Method Blank 1: Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-11

Lab Order: 116746

Collection Date: 3/3/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-008A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS2_110309B	QC Batch: Q11VW024	PrepDate:	Analyst: SLL		
1,1,1,2-Tetrachloroethane	ND	100	µg/L	20	3/10/2011 12:07 AM
1,1,1-Trichloroethane	ND	100	µg/L	20	3/10/2011 12:07 AM
1,1,2,2-Tetrachloroethane	ND	100	µg/L	20	3/10/2011 12:07 AM
1,1,2-Trichloroethane	ND	100	µg/L	20	3/10/2011 12:07 AM
1,1-Dichloroethane	ND	100	µg/L	20	3/10/2011 12:07 AM
1,1-Dichloroethene	ND	100	µg/L	20	3/10/2011 12:07 AM
1,1-Dichloropropene	ND	100	µg/L	20	3/10/2011 12:07 AM
1,2,3-Trichlorobenzene	ND	100	µg/L	20	3/10/2011 12:07 AM
1,2,3-Trichloropropane	ND	100	µg/L	20	3/10/2011 12:07 AM
1,2,4-Trichlorobenzene	ND	100	µg/L	20	3/10/2011 12:07 AM
1,2,4-Trimethylbenzene	ND	100	µg/L	20	3/10/2011 12:07 AM
1,2-Dibromo-3-chloropropane	ND	100	µg/L	20	3/10/2011 12:07 AM
1,2-Dibromoethane	ND	100	µg/L	20	3/10/2011 12:07 AM
1,2-Dichlorobenzene	ND	100	µg/L	20	3/10/2011 12:07 AM
1,2-Dichloroethane	ND	100	µg/L	20	3/10/2011 12:07 AM
1,2-Dichloropropane	ND	100	µg/L	20	3/10/2011 12:07 AM
1,3,5-Trimethylbenzene	ND	100	µg/L	20	3/10/2011 12:07 AM
1,3-Dichlorobenzene	ND	100	µg/L	20	3/10/2011 12:07 AM
1,3-Dichloropropane	ND	100	µg/L	20	3/10/2011 12:07 AM
1,4-Dichlorobenzene	ND	100	µg/L	20	3/10/2011 12:07 AM
2,2-Dichloropropane	ND	100	µg/L	20	3/10/2011 12:07 AM
2-Chlorotoluene	ND	100	µg/L	20	3/10/2011 12:07 AM
4-Chlorotoluene	ND	100	µg/L	20	3/10/2011 12:07 AM
4-Isopropyltoluene	ND	100	µg/L	20	3/10/2011 12:07 AM
Benzene	5100	1000	µg/L	200	3/10/2011 12:28 AM
Bromobenzene	ND	100	µg/L	20	3/10/2011 12:07 AM
Bromodichloromethane	ND	100	µg/L	20	3/10/2011 12:07 AM
Bromoform	ND	100	µg/L	20	3/10/2011 12:07 AM
Bromomethane	ND	100	µg/L	20	3/10/2011 12:07 AM
Carbon tetrachloride	ND	100	µg/L	20	3/10/2011 12:07 AM
Chlorobenzene	ND	100	µg/L	20	3/10/2011 12:07 AM
Chloroethane	ND	100	µg/L	20	3/10/2011 12:07 AM
Chloroform	ND	100	µg/L	20	3/10/2011 12:07 AM
Chloromethane	ND	100	µg/L	20	3/10/2011 12:07 AM
cis-1,2-Dichloroethene	ND	100	µg/L	20	3/10/2011 12:07 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	R	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-11

Lab Order: 116746

Collection Date: 3/3/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-008A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS2_110309H	QC Batch: Q11VW024	PrepDate:	Analyst: SLL		
cis-1,3-Dichloropropene	ND	100	µg/L	20	3/10/2011 12:07 AM
Di-isopropyl ether	ND	100	µg/L	20	3/10/2011 12:07 AM
Dibromochloromethane	ND	100	µg/L	20	3/10/2011 12:07 AM
Dibromomethane	ND	100	µg/L	20	3/10/2011 12:07 AM
Dichlorodifluoromethane	ND	100	µg/L	20	3/10/2011 12:07 AM
Ethyl tert-butyl ether	ND	100	µg/L	20	3/10/2011 12:07 AM
Ethylbenzene	610	100	µg/L	20	3/10/2011 12:07 AM
Hexachlorobutadiene	ND	100	µg/L	20	3/10/2011 12:07 AM
Isopropylbenzene	120	100	µg/L	20	3/10/2011 12:07 AM
m,p-Xylene	210	200	µg/L	20	3/10/2011 12:07 AM
Methylene chloride	ND	100	µg/L	20	3/10/2011 12:07 AM
MTBE	ND	100	µg/L	20	3/10/2011 12:07 AM
n-Butylbenzene	ND	100	µg/L	20	3/10/2011 12:07 AM
n-Propylbenzene	120	100	µg/L	20	3/10/2011 12:07 AM
Naphthalene	240	100	µg/L	20	3/10/2011 12:07 AM
o-Xylene	ND	100	µg/L	20	3/10/2011 12:07 AM
sec-Butylbenzene	ND	100	µg/L	20	3/10/2011 12:07 AM
Styrene	ND	100	µg/L	20	3/10/2011 12:07 AM
Tert-amyl methyl ether	ND	100	µg/L	20	3/10/2011 12:07 AM
Tert-Butanol	ND	2000	µg/L	20	3/10/2011 12:07 AM
tert-Butylbenzene	ND	100	µg/L	20	3/10/2011 12:07 AM
Tetrachloroethene	ND	100	µg/L	20	3/10/2011 12:07 AM
Toluene	ND	100	µg/L	20	3/10/2011 12:07 AM
trans-1,2-Dichloroethene	ND	100	µg/L	20	3/10/2011 12:07 AM
Trichloroethene	ND	100	µg/L	20	3/10/2011 12:07 AM
Trichlorofluoromethane	ND	100	µg/L	20	3/10/2011 12:07 AM
Vinyl chloride	ND	100	µg/L	20	3/10/2011 12:07 AM
Surr: 1,2-Dichloroethane-d4	85.4	70-130	%REC	20	3/10/2011 12:07 AM
Surr: 1,2-Dichloroethane-d4	82.4	70-130	%REC	200	3/10/2011 12:28 AM
Surr: 4-Bromofluorobenzene	108	70-130	%REC	20	3/10/2011 12:07 AM
Surr: 4-Bromofluorobenzene	102	70-130	%REC	200	3/10/2011 12:28 AM
Surr: Dibromofluoromethane	87.3	70-130	%REC	20	3/10/2011 12:07 AM
Surr: Dibromofluoromethane	84.6	70-130	%REC	200	3/10/2011 12:28 AM
Surr: Toluene-d8	87.2	70-130	%REC	200	3/10/2011 12:28 AM
Surr: Toluene-d8	91.8	70-130	%REC	20	3/10/2011 12:07 AM

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference
 DO Surrogate Diluted Out

E Value above quantitation range
 ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-11

Lab Order: 116746

Collection Date: 3/3/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-008B

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

RunID: GC19_110309A

QC Batch: M11VW049

PrepDate:

Analyst: DDL

GRO 19 2.0 mg/L 10 3/3/2011 03:04 PM

Surr: Bromofluorobenzene (FID) 122 70-130 %REC 10 3/3/2011 03:04 PM

Qualifiers	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spiker/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
 Lab Order: 116746
 Project: S100C Site
 Lab ID: 116746-008C

Client Sample ID: MW-11
 Collection Date: 3/3/2011
 Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS 13_110315B	QC Batch:	71420	PrepDate:	3/10/2011	Analyst:	JSD
1,2,4-Trichlorobenzene	ND	200	µg/L	20	3/15/2011 05:35 PM		
1,2-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 05:35 PM		
1,3-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 05:35 PM		
1,4-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 05:35 PM		
2,4,5-Trichlorophenol	ND	200	µg/L	20	3/15/2011 05:35 PM		
2,4,6-Trichlorophenol	ND	200	µg/L	20	3/15/2011 05:35 PM		
2,4-Dichlorophenol	ND	200	µg/L	20	3/15/2011 05:35 PM		
2,4-Dimethylphenol	ND	200	µg/L	20	3/15/2011 05:35 PM		
2,4-Dinitrophenol	ND	1000	µg/L	20	3/15/2011 05:35 PM		
2,4-Dinitrotoluene	ND	200	µg/L	20	3/15/2011 05:35 PM		
2,6-Dinitrotoluene	ND	200	µg/L	20	3/15/2011 05:35 PM		
2-Chloronaphthalene	ND	200	µg/L	20	3/15/2011 05:35 PM		
2-Chlorophenol	ND	200	µg/L	20	3/15/2011 05:35 PM		
2-Methylnaphthalene	ND	200	µg/L	20	3/15/2011 05:35 PM		
2-Methylphenol	ND	200	µg/L	20	3/15/2011 05:35 PM		
2-Nitroaniline	ND	1000	µg/L	20	3/15/2011 05:35 PM		
2-Nitrophenol	ND	200	µg/L	20	3/15/2011 05:35 PM		
3,3'-Dichlorobenzidine	ND	400	µg/L	20	3/15/2011 05:35 PM		
3-Nitroaniline	ND	1000	µg/L	20	3/15/2011 05:35 PM		
4,6-Dinitro-2-methylphenol	ND	1000	µg/L	20	3/15/2011 05:35 PM		
4-Bromophenyl-phenylether	ND	200	µg/L	20	3/15/2011 05:35 PM		
4-Chloro-3-methylphenol	ND	1000	µg/L	20	3/15/2011 05:35 PM		
4-Chloroaniline	ND	400	µg/L	20	3/15/2011 05:35 PM		
4-Chlorophenyl-phenylether	ND	200	µg/L	20	3/15/2011 05:35 PM		
4-Methylphenol	ND	200	µg/L	20	3/15/2011 05:35 PM		
4-Nitroaniline	ND	400	µg/L	20	3/15/2011 05:35 PM		
4-Nitrophenol	ND	1000	µg/L	20	3/15/2011 05:35 PM		
Acenaphthene	ND	200	µg/L	20	3/15/2011 05:35 PM		
Acenaphthylene	ND	200	µg/L	20	3/15/2011 05:35 PM		
Anthracene	ND	200	µg/L	20	3/15/2011 05:35 PM		
Benzidine (M)	ND	1000	µg/L	20	3/15/2011 05:35 PM		
Benzo(a)anthracene	ND	200	µg/L	20	3/15/2011 05:35 PM		
Benzo(a)pyrene	ND	200	µg/L	20	3/15/2011 05:35 PM		
Benzo(b)fluoranthene	ND	200	µg/L	20	3/15/2011 05:35 PM		
Benzo(g,h,i)perylene	ND	200	µg/L	20	3/15/2011 05:35 PM		

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DD Surrogate Diluted Out



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Tesla Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-008C

Client Sample ID: MW-11
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C			EPA 8270C			
RunID: MS 13_1103158	QC Hatch: 71420				PrepDate: 3/10/2011	Analyst: JSD
Benzo(k)fluoranthene	ND	200		µg/L	20	3/15/2011 05:35 PM
Benzoic acid	ND	1000		µg/L	20	3/15/2011 05:35 PM
Benzyl alcohol	ND	400		µg/L	20	3/15/2011 05:35 PM
Bis(2-chloroethoxy)methane	ND	200		µg/L	20	3/15/2011 05:35 PM
Bis(2-chloroethyl)ether	ND	200		µg/L	20	3/15/2011 05:35 PM
Bis(2-chloroisopropyl)ether	ND	200		µg/L	20	3/15/2011 05:35 PM
Bis(2-ethylhexyl)phthalate	ND	200		µg/L	20	3/15/2011 05:35 PM
Butylbenzylphthalate	ND	200		µg/L	20	3/15/2011 05:35 PM
Chrysene	ND	200		µg/L	20	3/15/2011 05:35 PM
Di-n-butylphthalate	ND	200		µg/L	20	3/15/2011 05:35 PM
Di-n-octylphthalate	ND	200		µg/L	20	3/15/2011 05:35 PM
Dibenz(a,h)anthracene	ND	200		µg/L	20	3/15/2011 05:35 PM
Dibenzofuran	ND	200		µg/L	20	3/15/2011 05:35 PM
Diethylphthalate	ND	200		µg/L	20	3/15/2011 05:35 PM
Dimethylphthalate	ND	200		µg/L	20	3/15/2011 05:35 PM
Fluoranthene	ND	200		µg/L	20	3/15/2011 05:35 PM
Fluorene	ND	200		µg/L	20	3/15/2011 05:35 PM
Hexachlorobenzene	ND	200		µg/L	20	3/15/2011 05:35 PM
Hexachlorobutadiene	ND	400		µg/L	20	3/15/2011 05:35 PM
Hexachlorocyclopentadiene	ND	200		µg/L	20	3/15/2011 05:35 PM
Hexachloroethane	ND	200		µg/L	20	3/15/2011 05:35 PM
Indeno(1,2,3-cd)pyrene	ND	200		µg/L	20	3/15/2011 05:35 PM
Isophorone	ND	200		µg/L	20	3/15/2011 05:35 PM
N-Nitrosodimethylamine	ND	200		µg/L	20	3/15/2011 05:35 PM
N-Nitrosodiphenylamine	ND	200		µg/L	20	3/15/2011 05:35 PM
Naphthalene	ND	200		µg/L	20	3/15/2011 05:35 PM
Nitrobenzene	ND	200		µg/L	20	3/15/2011 05:35 PM
Pentachlorophenol	ND	1000		µg/L	20	3/15/2011 05:35 PM
Phenanthrene	ND	200		µg/L	20	3/15/2011 05:35 PM
Phenol	ND	200		µg/L	20	3/15/2011 05:35 PM
Pyrene	ND	200		µg/L	20	3/15/2011 05:35 PM
Sum: 1,2-Dichlorobenzene-d4	72.4	46-97		%REC	20	3/15/2011 05:35 PM
Sum: 2,4,6-Tribromophenol	83.6	59-124		%REC	20	3/15/2011 05:35 PM
Sum: 2-Chlorophenol-d4	56.6	49-93		%REC	20	3/15/2011 05:35 PM
Sum: 2-Fluorobiphenyl	77.0	57-107		%REC	20	3/15/2011 05:35 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interferences Results are wet unless otherwise specified
DC Surrogate Diluted Out



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-008C

Client Sample ID: MW-11
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3510C****EPA 8270C**

RunID:	MS 13_110315B	QC Batch:	71420	PropDate:	3/10/2011	Analyst: JSD
Surr: 2-Fluorophenol	30.8	27-60	%REC	20	3/15/2011 05:35 PM	
Surr: 4-Terphenyl-d14	75.6	69-132	%REC	20	3/15/2011 05:35 PM	
Surr: Nitrobenzene-d5	65.8	52-107	%REC	20	3/15/2011 05:35 PM	
Surr: Phenol-d5	22.2	15-50	%REC	20	3/15/2011 05:35 PM	

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DQ Surrogate Diluted Out

E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-0081D

Client Sample ID: MW-11
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C		EPA 8015B(M)			
RunID: GC16_110311C	OC Batch: 71410			PrepDate:	3/9/2011	Analyst: MFR
DRO	11	2.0		mg/L	10	3/11/2011 05:02 PM
Surr: p-Terphenyl	66.5	36-126		%REC	10	3/11/2011 05:02 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified	
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

.....

CLIENT:	Testa Environmental Corporation	Client Sample ID:	MW-11
Lab Order:	116746	Collection Date:	3/3/2011
Project:	SHHC Site	Matrix:	GROUNDWATER
Lab ID:	116746-008E		

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SILICA GEL CLEANUP DRO BY GC-FID

	EPA 3510C		EPA 8015B(M)			
RunID: GC16_110314C	QC Batch: 711451			PrepDate: 3/10/2011		Analyst: CBR
DRO	1.7	0.20	mg/L	1		3/15/2011 02:40 AM
Sur: p-Terphenyl	80.4	36-126	%REC	1		3/15/2011 02:40 AM

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Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DC	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-009A

Client Sample ID: MW-8
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_110309A	QC Batch: A11VW046	PropDate:	Analyst: SLL
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L
1,1,1-Trichloroethane	ND	5.0	µg/L
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L
1,1,2-Trichloroethane	ND	5.0	µg/L
1,1-Dichloroethane	ND	5.0	µg/L
1,1-Dichloroethane	ND	5.0	µg/L
1,1-Dichloropropane	ND	5.0	µg/L
1,2,3-Trichlorobenzene	ND	5.0	µg/L
1,2,3-Trichloropropane	ND	5.0	µg/L
1,2,4-Trichlorobenzene	ND	5.0	µg/L
1,2,4-Trimethylbenzene	ND	5.0	µg/L
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L
1,2-Dibromoethane	ND	5.0	µg/L
1,2-Dichlorobenzene	ND	5.0	µg/L
1,2-Dichloroethane	ND	5.0	µg/L
1,2-Dichloropropane	ND	5.0	µg/L
1,3,5-Trimethylbenzene	ND	5.0	µg/L
1,3-Dichlorobenzene	ND	5.0	µg/L
1,3-Dichloropropane	ND	5.0	µg/L
1,4-Dichlorobenzene	ND	5.0	µg/L
2,2-Dichloropropane	ND	5.0	µg/L
2-Chlorotoluene	ND	5.0	µg/L
4-Chlorotoluene	ND	5.0	µg/L
4-Isopropyltoluene	ND	5.0	µg/L
Benzene	46	5.0	µg/L
Bromobenzene	ND	5.0	µg/L
Bromodichloromethane	ND	5.0	µg/L
Bromoform	ND	5.0	µg/L
Bromomethane	ND	5.0	µg/L
Carbon tetrachloride	ND	5.0	µg/L
Chlorobenzene	ND	5.0	µg/L
Chloroethane	ND	5.0	µg/L
Chloroform	ND	5.0	µg/L
Chloromethane	ND	5.0	µg/L
cis-1,2-Dichloroethane	ND	5.0	µg/L

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SJHC Site
Lab ID: 116746-009A

Client Sample ID: MW-8
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_110309A	GC Batch: A11VW046	PrepDate:	Analyst: SLL		
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	3/9/2011 04:03 PM
Di-isopropyl ether	ND	5.0	µg/L	1	3/9/2011 04:03 PM
Dibromochloromethane	ND	5.0	µg/L	1	3/9/2011 04:03 PM
Dibromomethane	ND	5.0	µg/L	1	3/9/2011 04:03 PM
Dichlorodifluoromethane	ND	5.0	µg/L	1	3/9/2011 04:03 PM
Ethyl tert-butyl ether	ND	5.0	µg/L	1	3/9/2011 04:03 PM
Ethylbenzene	13	5.0	µg/L	1	3/9/2011 04:03 PM
Hexachlorobutadiene	ND	5.0	µg/L	1	3/9/2011 04:03 PM
Isopropylbenzene	68	5.0	µg/L	1	3/9/2011 04:03 PM
m,p-Xylene	ND	10	µg/L	1	3/9/2011 04:03 PM
Methylene chloride	ND	5.0	µg/L	1	3/9/2011 04:03 PM
MTBE	32	5.0	µg/L	1	3/9/2011 04:03 PM
n-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 04:03 PM
n-Propylbenzene	57	5.0	µg/L	1	3/9/2011 04:03 PM
Naphthalene	130	50	µg/L	10	3/9/2011 04:23 PM
o-Xylene	ND	5.0	µg/L	1	3/9/2011 04:03 PM
sec-Butylbenzene	9.1	5.0	µg/L	1	3/9/2011 04:03 PM
Styrene	ND	5.0	µg/L	1	3/9/2011 04:03 PM
tert-Butyl methyl ether	ND	5.0	µg/L	1	3/9/2011 04:03 PM
tert-Butanol	360	100	µg/L	1	3/9/2011 04:03 PM
tert-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 04:03 PM
Tetrachloroethene	ND	5.0	µg/L	1	3/9/2011 04:03 PM
Toluene	ND	5.0	µg/L	1	3/9/2011 04:03 PM
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 04:03 PM
Trichloroethene	ND	5.0	µg/L	1	3/9/2011 04:03 PM
Trichlorofluoromethane	ND	5.0	µg/L	1	3/9/2011 04:03 PM
Vinyl chloride	ND	5.0	µg/L	1	3/9/2011 04:03 PM
Surr: 1,2-Dichloroethane-d4	90.4	70-130	%REC	1	3/9/2011 04:03 PM
Surr: 1,2-Dichloroethane-d4	93.4	70-130	%REC	10	3/9/2011 04:23 PM
Surr: 4-Bromofluorobenzene	119	70-130	%REC	1	3/9/2011 04:03 PM
Surr: 4-Bromofluorobenzene	116	70-130	%REC	10	3/9/2011 04:23 PM
Surr: Dibromofluoromethane	91.0	70-130	%REC	1	3/9/2011 04:03 PM
Surr: Dibromofluoromethane	93.5	70-130	%REC	10	3/9/2011 04:23 PM
Surr: Toluene-d8	108	70-130	%REC	10	3/9/2011 04:23 PM
Surr: Toluene-d8	109	70-130	%REC	1	3/9/2011 04:03 PM

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out

E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



Advanced Technology
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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-8

Lab Order: 116746

Collection Date: 3/3/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-009B

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

RunID: GC19_110308A	QC Batch: M11VW049	PrepDate:	Analyst: DDL		
GR0	1.8	0.20	mg/L	1	3/3/2011 03:24 PM
Srr: Bromofluorobenzene (FID)	206	70-120	%REC	1	3/3/2011 03:24 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DD	Surrogate Diluted Out		

**Advanced Technology
Laboratories**

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-009C

Client Sample ID: MW-8
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C			EPA 8270C			
RunID: MS_13_110315B	GC Batch: 71420			PrepDate: 3/15/2011		Analyst: JSD
1,2,4-Trichlorobenzene	ND	200		µg/L	20	3/15/2011 06:04 PM
1,2-Dichlorobenzene	ND	200		µg/L	20	3/15/2011 06:04 PM
1,3-Dichlorobenzene	ND	200		µg/L	20	3/15/2011 06:04 PM
1,4-Dichlorobenzene	ND	200		µg/L	20	3/15/2011 06:04 PM
2,4,5-Trichlorophenol	ND	200		µg/L	20	3/15/2011 06:04 PM
2,4,6-Trichlorophenol	ND	200		µg/L	20	3/15/2011 06:04 PM
2,4-Dichlorophenol	ND	200		µg/L	20	3/15/2011 06:04 PM
2,4-Dimethylphenol	ND	200		µg/L	20	3/15/2011 06:04 PM
2,4-Dinitrophenol	ND	1000		µg/L	20	3/15/2011 06:04 PM
2,4-Dinitrotoluene	ND	200		µg/L	20	3/15/2011 06:04 PM
2,6-Dinitrotoluene	ND	200		µg/L	20	3/15/2011 06:04 PM
2-Chloronaphthalene	ND	200		µg/L	20	3/15/2011 06:04 PM
2-Chlorophenol	ND	200		µg/L	20	3/15/2011 06:04 PM
2-Methylnaphthalene	ND	200		µg/L	20	3/15/2011 06:04 PM
2-Methylphenol	ND	200		µg/L	20	3/15/2011 06:04 PM
2-Nitroaniline	ND	1000		µg/L	20	3/15/2011 06:04 PM
2-Nitrophenol	ND	200		µg/L	20	3/15/2011 06:04 PM
3,3'-Dichlorobenzidine	ND	400		µg/L	20	3/15/2011 06:04 PM
3-Nitroaniline	ND	1000		µg/L	20	3/15/2011 06:04 PM
4,6-Dinitro-2-methylphenol	ND	1000		µg/L	20	3/15/2011 06:04 PM
4-Bromophenyl-phenylether	ND	200		µg/L	20	3/15/2011 06:04 PM
4-Chloro-3-methylphenol	ND	1000		µg/L	20	3/15/2011 06:04 PM
4-Chloroaniline	ND	400		µg/L	20	3/15/2011 06:04 PM
4-Chlorophenyl-phenylether	ND	200		µg/L	20	3/15/2011 06:04 PM
4-Methylphenol	ND	200		µg/L	20	3/15/2011 06:04 PM
4-Nitroaniline	ND	400		µg/L	20	3/15/2011 06:04 PM
4-Nitrophenol	ND	1000		µg/L	20	3/15/2011 06:04 PM
Acenaphthene	ND	200		µg/L	20	3/15/2011 06:04 PM
Acenaphthylene	ND	200		µg/L	20	3/15/2011 06:04 PM
Anthracene	ND	200		µg/L	20	3/15/2011 06:04 PM
Benzidine (M)	ND	1000		µg/L	20	3/15/2011 06:04 PM
Benzo(a)anthracene	ND	200		µg/L	20	3/15/2011 06:04 PM
Benzo(a)pyrene	ND	200		µg/L	20	3/15/2011 06:04 PM
Benzo(b)fluoranthene	ND	200		µg/L	20	3/15/2011 06:04 PM
Benzo(g,h,i)perylene	ND	200		µg/L	20	3/15/2011 06:04 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DD	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-009C

Client Sample ID: MW-8
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C						
RunID: MS 13_110315B	QC Batch: 71420	PrepDate: 3/10/2011 Analyst: JSD				
Benzo(k)fluoranthene	ND	200		µg/L	20	3/15/2011 06:04 PM
Benzoic acid	ND	1000		µg/L	20	3/15/2011 06:04 PM
Benzyl alcohol	ND	400		µg/L	20	3/15/2011 06:04 PM
Bis(2-chloroethoxy)methane	ND	200		µg/L	20	3/15/2011 06:04 PM
Bis(2-chloroethyl)ether	ND	200		µg/L	20	3/15/2011 06:04 PM
Bis(2-chloroisopropyl)ether	ND	200		µg/L	20	3/15/2011 06:04 PM
Bis(2-ethylhexyl)phthalate	ND	200		µg/L	20	3/15/2011 06:04 PM
Butylbenzylphthalate	ND	200		µg/L	20	3/15/2011 06:04 PM
Chrysene	ND	200		µg/L	20	3/15/2011 06:04 PM
Di-n-butylphthalate	ND	200		µg/L	20	3/15/2011 06:04 PM
Di-n-octylphthalate	ND	200		µg/L	20	3/15/2011 06:04 PM
Dibenz(a,h)anthracene	ND	200		µg/L	20	3/15/2011 06:04 PM
Dibenzofuran	ND	200		µg/L	20	3/15/2011 06:04 PM
Dimethylphthalate	ND	200		µg/L	20	3/15/2011 06:04 PM
Dimethylphthalate	ND	200		µg/L	20	3/15/2011 06:04 PM
Fluoranthene	ND	200		µg/L	20	3/15/2011 06:04 PM
Fluorene	ND	200		µg/L	20	3/15/2011 06:04 PM
Hexachlorobenzene	ND	200		µg/L	20	3/15/2011 06:04 PM
Hexachlorobutadiene	ND	400		µg/L	20	3/15/2011 06:04 PM
Hexachlorocyclopentadiene	ND	200		µg/L	20	3/15/2011 06:04 PM
Hexachloroethane	ND	200		µg/L	20	3/15/2011 06:04 PM
Indeno(1,2,3-cd)pyrene	ND	200		µg/L	20	3/15/2011 06:04 PM
Isophorone	ND	200		µg/L	20	3/15/2011 06:04 PM
N-Nitrosodipropylamine	ND	200		µg/L	20	3/15/2011 06:04 PM
N-Nitrosodiphenylamine	ND	200		µg/L	20	3/15/2011 06:04 PM
Naphthalene	ND	200		µg/L	20	3/15/2011 06:04 PM
Nitrobenzene	ND	200		µg/L	20	3/15/2011 06:04 PM
Pentachlorophenol	ND	1000		µg/L	20	3/15/2011 06:04 PM
Phenanthrene	ND	200		µg/L	20	3/15/2011 06:04 PM
Phenol	ND	200		µg/L	20	3/15/2011 06:04 PM
Pyrene	ND	200		µg/L	20	3/15/2011 06:04 PM
Sum: 1,2-Dichlorobenzene-d4	75.0	46-97		%REC	20	3/15/2011 06:04 PM
Sum: 2,4,6-Tribromophenol	103	59-124		%REC	20	3/15/2011 06:04 PM
Sum: 2-Chlorophenol-d4	58.8	49-93		%REC	20	3/15/2011 06:04 PM
Sum: 2-Fluorobiphenyl	80.4	57-107		%REC	20	3/15/2011 06:04 PM

Qualifiers:	D	Analysis detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DD	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: U16746
Project: SHIC Site
Lab ID: U16746-009C

Client Sample ID: MW-8
Collection Date: 3/3/2011
Matrix: GROUNDWATER

Analysis	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS 13_110315B	QC Batch:	71420	PropDate:	3/10/2011	Analyst:	JSD
Surr:	2-Fluorophenol	32.4	27-60	%REC	20	3/15/2011 06:04 PM	
Surr:	4-Terphenyl-d14	82.4	69-132	%REC	20	3/15/2011 06:04 PM	
Surr:	Nitrobenzene-d5	67.8	52-107	%REC	20	3/15/2011 06:04 PM	
Surr:	Phenol-d5	22.0	15-50	%REC	20	3/15/2011 06:04 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	B	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT:	Testa Environmental Corporation	Client Sample ID:	MW-8
Lab Order:	116746	Collection Date:	3/3/2011
Project:	SHHC Site	Matrix:	GROUNDWATER
Lab ID:	116746-009D		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C		EPA 8015B(M)			
RunID: GC16_110311C	QC Batch:	71410		PrepDate:	3/9/2011	Analyst: MFR
ORO	6.5	2.0	mg/L	10	3/11/2011 04:13 PM	
Surrogate: p-Terphenyl	77.2	36-126	%REC	10	3/11/2011 04:13 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	B	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spikes/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DD	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT:	Testa Environmental Corporation	Client Sample ID:	MW-8
Lab Order:	116746	Collection Date:	3/3/2011
Project:	SHHC Site	Matrix:	GROUNDWATER
Lab ID:	116746-0091		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
	EPA 3510C		EPA 8015B(M)			
RunID: GC16_110314C	QC Batch: 71451			PrepDate: 3/10/2011		Analyst: CBR
DRO	1.1	0.20		mg/L	1	3/15/2011 02:12 AM
Sur: p-Terphenyl	60.8	36-126		%REC	1	3/15/2011 02:12 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	R	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-1A

Lab Order: 116746

Collection Date: 3/4/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-010A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_110309A	GC Batch: A11VW046	PrepDate:	Analyst: SLL		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	1	3/9/2011 06:43 PM
1,1,1-Trichloroethane	ND	5.0	µg/L	1	3/9/2011 06:43 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	1	3/9/2011 06:43 PM
1,1,2-Trichloroethane	ND	5.0	µg/L	1	3/9/2011 06:43 PM
1,1-Dichloroethane	ND	5.0	µg/L	1	3/9/2011 06:43 PM
1,1-Dichloroethane	ND	5.0	µg/L	1	3/9/2011 06:43 PM
1,1-Dichloropropene	ND	5.0	µg/L	1	3/9/2011 06:43 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	3/9/2011 06:43 PM
1,2,3-Trichloropropane	ND	5.0	µg/L	1	3/9/2011 06:43 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	3/9/2011 06:43 PM
1,2,4-Trimethylbenzene	5.2	5.0	µg/L	1	3/9/2011 06:43 PM
1,2-Dichloro-3-chloropropane	ND	5.0	µg/L	1	3/9/2011 06:43 PM
1,2-Dibromoethane	ND	5.0	µg/L	1	3/9/2011 06:43 PM
1,2-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 06:43 PM
1,2-Dichloroethane	ND	5.0	µg/L	1	3/9/2011 06:43 PM
1,2-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 06:43 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/L	1	3/9/2011 06:43 PM
1,3-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 06:43 PM
1,3-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 06:43 PM
1,4-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 06:43 PM
2,2-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 06:43 PM
2-Chlorotoluene	ND	5.0	µg/L	1	3/9/2011 06:43 PM
4-Chlorotoluene	ND	5.0	µg/L	1	3/9/2011 06:43 PM
4-Isopropyltoluene	ND	5.0	µg/L	1	3/9/2011 06:43 PM
Benzene	ND	5.0	µg/L	1	3/9/2011 06:43 PM
Bromobenzene	ND	5.0	µg/L	1	3/9/2011 06:43 PM
Bromodichloromethane	ND	5.0	µg/L	1	3/9/2011 06:43 PM
Bromoform	ND	5.0	µg/L	1	3/9/2011 06:43 PM
Bromomethane	ND	5.0	µg/L	1	3/9/2011 06:43 PM
Carbon tetrachloride	ND	5.0	µg/L	1	3/9/2011 06:43 PM
Chlorobenzene	ND	5.0	µg/L	1	3/9/2011 06:43 PM
Chloroethane	ND	5.0	µg/L	1	3/9/2011 06:43 PM
Chloroform	ND	5.0	µg/L	1	3/9/2011 06:43 PM
Chloromethane	ND	5.0	µg/L	1	3/9/2011 06:43 PM
cis-1,2-Dichloroethane	ND	5.0	µg/L	1	3/9/2011 06:43 PM

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference
 DO Surrogate Diluted Out

B Value above quantitation range
 ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified



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Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-1A

Lab Order: 116746

Collection Date: 3/4/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-010A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS11_110309A	QC Batch:	A11VW046	PrepDate:	Analyst:	SLL
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	3/9/2011 06:43 PM	
Di-isopropyl ether	ND	5.0	µg/L	1	3/9/2011 06:43 PM	
Dibromochloromethane	ND	5.0	µg/L	1	3/9/2011 06:43 PM	
Dibromomethane	ND	5.0	µg/L	1	3/9/2011 06:43 PM	
Dichlorodifluoromethane	ND	5.0	µg/L	1	3/9/2011 06:43 PM	
Ethyl tert-butyl ether	ND	5.0	µg/L	1	3/9/2011 06:43 PM	
Ethylbenzene	5.0	5.0	µg/L	1	3/9/2011 06:43 PM	
Hexachlorobutadiene	ND	5.0	µg/L	1	3/9/2011 06:43 PM	
Isopropylbenzene	42	5.0	µg/L	1	3/9/2011 06:43 PM	
m,p-Xylene	ND	10	µg/L	1	3/9/2011 06:43 PM	
Methylene chloride	ND	5.0	µg/L	1	3/9/2011 06:43 PM	
MTBE	11	5.0	µg/L	1	3/9/2011 06:43 PM	
n-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 06:43 PM	
n-Propylbenzene	16	5.0	µg/L	1	3/9/2011 06:43 PM	
Naphthalene	120	5.0	µg/L	10	3/9/2011 07:03 PM	
o-Xylene	ND	5.0	µg/L	1	3/9/2011 06:43 PM	
sec-Butylbenzene	7.3	5.0	µg/L	1	3/9/2011 06:43 PM	
Styrene	ND	5.0	µg/L	1	3/9/2011 06:43 PM	
Tert-amyl methyl ether	ND	5.0	µg/L	1	3/9/2011 06:43 PM	
Tert-Butanol	ND	100	µg/L	1	3/9/2011 06:43 PM	
tert-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 06:43 PM	
Tetrachloroethane	ND	5.0	µg/L	1	3/9/2011 06:43 PM	
Toluene	ND	5.0	µg/L	1	3/9/2011 06:43 PM	
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 06:43 PM	
Trichloroethene	ND	5.0	µg/L	1	3/9/2011 06:43 PM	
Trichlorofluoromethane	ND	5.0	µg/L	1	3/9/2011 06:43 PM	
Vinyl chloride	ND	5.0	µg/L	1	3/9/2011 06:43 PM	
Surr: 1,2-Dichloroethane-d4	89.0	70-130	%REC	1	3/9/2011 06:43 PM	
Surr: 1,2-Dichloroethane-d4	89.0	70-130	%REC	10	3/9/2011 07:03 PM	
Surr: 4-Bromofluorobenzene	115	70-130	%REC	1	3/9/2011 06:43 PM	
Surr: 4-Bromofluorobenzene	115	70-130	%REC	10	3/9/2011 07:03 PM	
Surr: Dibromofluoromethane	93.4	70-130	%REC	1	3/9/2011 06:43 PM	
Surr: Dibromofluoromethane	93.5	70-130	%REC	10	3/9/2011 07:03 PM	
Surr: Toluene-d8	110	70-130	%REC	10	3/9/2011 07:03 PM	
Surr: Toluene-d8	110	70-130	%REC	1	3/9/2011 06:43 PM	

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference
 DO Surrogate Diluted Out

E Value above quantitation range
 ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified



Advanced Technology
Laboratories

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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-1A

Lab Order: 116746

Collection Date: 3/4/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-01003

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC19_110309A	QC Batch: M11VW049			PrepDate:	Analyst: DDL	
GRO	1.2	0.20		mg/L	1	3/9/2011 04:41 PM
Surf: Bromofluorobenzene (FID)	166	70-130	S	%REC	1	3/9/2011 04:41 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	HI	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified	
	DO	Surrogate Diluted Out		

Advanced Technology
Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-1A

Lab Order: 116746

Collection Date: 3/4/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-0100

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS 13_110315B	GC Batch:	71420	PropDate:	3/10/2011	Analyst:	JSD
1,2,4-Trichlorobenzene	ND	200	µg/L	20	3/15/2011 06:32 PM		
1,2-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 06:32 PM		
1,3-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 06:32 PM		
1,4-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 06:32 PM		
2,4,5-Trichlorophenol	ND	200	µg/L	20	3/15/2011 06:32 PM		
2,4,6-Trichlorophenol	ND	200	µg/L	20	3/15/2011 06:32 PM		
2,4-Dichlorophenol	ND	200	µg/L	20	3/15/2011 06:32 PM		
2,4-Dimethylphenol	ND	200	µg/L	20	3/15/2011 06:32 PM		
2,4-Dinitrophenol	ND	1000	µg/L	20	3/15/2011 06:32 PM		
2,4-Dinitrotoluene	ND	200	µg/L	20	3/15/2011 06:32 PM		
2,6-Dinitrotoluene	ND	200	µg/L	20	3/15/2011 06:32 PM		
2-Chloronaphthalene	ND	200	µg/L	20	3/15/2011 06:32 PM		
2-Chlorophenol	ND	200	µg/L	20	3/15/2011 06:32 PM		
2-Methylnaphthalene	ND	200	µg/L	20	3/15/2011 06:32 PM		
2-Methylphenol	ND	200	µg/L	20	3/15/2011 06:32 PM		
2-Nitroaniline	ND	1000	µg/L	20	3/15/2011 06:32 PM		
2-Nitrophenol	ND	200	µg/L	20	3/15/2011 06:32 PM		
3,3'-Dichlorobenzidine	ND	400	µg/L	20	3/15/2011 06:32 PM		
3-Nitroaniline	ND	1000	µg/L	20	3/15/2011 06:32 PM		
4,6-Dinitro-2-methylphenol	ND	1000	µg/L	20	3/15/2011 06:32 PM		
4-Bromophenyl-phenylether	ND	200	µg/L	20	3/15/2011 06:32 PM		
4-Chloro-3-methylphenol	ND	1000	µg/L	20	3/15/2011 06:32 PM		
4-Chloroaniline	ND	400	µg/L	20	3/15/2011 06:32 PM		
4-Chlorophenyl-phenylether	ND	200	µg/L	20	3/15/2011 06:32 PM		
4-Methylphenol	ND	200	µg/L	20	3/15/2011 06:32 PM		
4-Nitroaniline	ND	400	µg/L	20	3/15/2011 06:32 PM		
4-Nitrophenol	ND	1000	µg/L	20	3/15/2011 06:32 PM		
Acenaphthene	ND	200	µg/L	20	3/15/2011 06:32 PM		
Acenaphthylene	ND	200	µg/L	20	3/15/2011 06:32 PM		
Anthracene	ND	200	µg/L	20	3/15/2011 06:32 PM		
Benzidine (M)	ND	1000	µg/L	20	3/15/2011 06:32 PM		
Benzo(a)anthracene	ND	200	µg/L	20	3/15/2011 06:32 PM		
Benzo(a)pyrene	ND	200	µg/L	20	3/15/2011 06:32 PM		
Benzo(b)fluoranthene	ND	200	µg/L	20	3/15/2011 06:32 PM		
Benzo(g,h,i)perylene	ND	200	µg/L	20	3/15/2011 06:32 PM		

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference
 DO Surrogate Diluted Out

E Value above quantitation range
 ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation **Client Sample ID:** MW-1A
Lab Order: 116746 **Collection Date:** 3/4/2011
Project: SHHC Site **Matrix:** GROUNDWATER
Lab ID: 116746-010C

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C EPA 8270C						
RunID: MS 13_110315B	QC Batch: 71420			PrepDate: 3/10/2011		Analyst: JSD
Benzo(k)fluoranthene	ND	200		µg/L	20	3/15/2011 06:32 PM
Benzoic acid	ND	1000		µg/L	20	3/15/2011 06:32 PM
Benzyl alcohol	ND	400		µg/L	20	3/15/2011 06:32 PM
Bis(2-chloroethoxy)methane	ND	200		µg/L	20	3/15/2011 06:32 PM
Bis(2-chloroethyl)ether	ND	200		µg/L	20	3/15/2011 06:32 PM
Bis(2-chloroisopropyl)ether	ND	200		µg/L	20	3/15/2011 06:32 PM
Bis(2-ethylhexyl)phthalate	ND	200		µg/L	20	3/15/2011 06:32 PM
Butylbenzylphthalate	ND	200		µg/L	20	3/15/2011 06:32 PM
Chrysene	ND	200		µg/L	20	3/15/2011 06:32 PM
Di-n-butylphthalate	ND	200		µg/L	20	3/15/2011 06:32 PM
Di-n-octylphthalate	ND	200		µg/L	20	3/15/2011 06:32 PM
Dibenz(a,h)anthracene	ND	200		µg/L	20	3/15/2011 06:32 PM
Dibenzofuran	ND	200		µg/L	20	3/15/2011 06:32 PM
Diethylphthalate	ND	200		µg/L	20	3/15/2011 06:32 PM
Dimethylphthalate	ND	200		µg/L	20	3/15/2011 06:32 PM
Fluoranthene	ND	200		µg/L	20	3/15/2011 06:32 PM
Fluorene	ND	200		µg/L	20	3/15/2011 06:32 PM
Hexachlorobenzene	ND	200		µg/L	20	3/15/2011 06:32 PM
Hexachlorobutadiene	ND	400		µg/L	20	3/15/2011 06:32 PM
Hexachlorocyclopentadiene	ND	200		µg/L	20	3/15/2011 06:32 PM
Hexachlorobellane	ND	200		µg/L	20	3/15/2011 06:32 PM
Indeno(1,2,3-cd)pyrene	ND	200		µg/L	20	3/15/2011 06:32 PM
Isophorone	ND	200		µg/L	20	3/15/2011 06:32 PM
N-Nitrosodi-n-propylamine	ND	200		µg/L	20	3/15/2011 06:32 PM
N-Nitrosodiphenylamine	ND	200		µg/L	20	3/15/2011 06:32 PM
Naphthalene	ND	200		µg/L	20	3/15/2011 06:32 PM
Nitrobenzene	ND	200		µg/L	20	3/15/2011 06:32 PM
Pentachlorophenol	ND	1000		µg/L	20	3/15/2011 06:32 PM
Phenanthrene	ND	200		µg/L	20	3/15/2011 06:32 PM
Phenol	ND	200		µg/L	20	3/15/2011 06:32 PM
Pyrene	ND	200		µg/L	20	3/15/2011 06:32 PM
Surr: 1,2-Dichlorobenzene-d4	75.4	46-67		%REC	20	3/15/2011 06:32 PM
Surr: 2,4,6-Tribromophenol	81.2	50-124		%REC	20	3/15/2011 06:32 PM
Surr: 2-Chlorophenol-d4	60.0	49-93		%REC	20	3/15/2011 06:32 PM
Surr: 2-Fluorobiphenyl	80.4	57-107		%REC	20	3/15/2011 06:32 PM

Qualifiers: B Analyte detected in the associated Method Blank B Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out



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Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation Client Sample ID: MW-1A
 Lab Order: 116746 Collection Date: 3/4/2011
 Project: SHHC Site Matrix: GROUNDWATER
 Lab ID: 116746-010C

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID: MS 13_110315B	QC Batch: 71420	PrepDate: 3/10/2011	Analyst: JSD
Surr: 2-Fluorophenol	30.8	27-60	%REC 20 3/15/2011 06:32 PM
Surr: 4-Torphonyl-d14	82.2	69-132	%REC 20 3/15/2011 06:32 PM
Surr: Nitrobenzene-d5	66.8	52-107	%REC 20 3/15/2011 06:32 PM
Surr: Phenol-d5	21.4	15-50	%REC 20 3/15/2011 06:32 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	B	Value above quantitation range
	G	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

.....
CLIENT: Testa Environmental Corporation Client Sample ID: MW-1A
Lab Order: 116746 Collection Date: 3/4/2011
Project: SHHC Site Matrix: GROUNDWATER
Lab ID: 116746-0100
.....

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C			EPA 8015B(M)		
RunID: GC16_110311C	OC Batch: 71410			PrepDate: 3/9/2011		Analyst: MFR
DRO	2.4	0.20		mg/L	1	3/11/2011 03:44 PM
Surr: p-Terphenyl	63.1	36-126		%REC	1	3/11/2011 03:44 PM

.....
Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DD Surrogate Diluted On



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Laboratories

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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SDDC Site
Lab ID: 116746-010E

Client Sample ID: MW-1A
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analyses	Result	PQI, Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID					
	EPA 3510C		EPA 8015B(M)		
RunID: GC10_110314C	QC Batch: 71451		PrepDate: 3/10/2011	Analyst: CBR	
DRO	0.46	0.20	mg/L	1	3/15/2011 01:24 AM
Surrogate: p-Terphenyl	88.9	36-126	%REC	1	3/15/2011 01:24 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	11	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	100	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

Client: Testa Environmental Corporation

Client Sample ID: MW-17

Lab Order: 116746

Collection Date: 3/4/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-011A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS2_110309B	QC Batch: Q11VW024	PrepDate:	Analyst: SLL		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
1,1,1-Trichloroethane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
1,1,2-Trichloroethane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
1,1-Dichloroethane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
1,1-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
1,1-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
1,2,3-Trichloropropane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
1,2-Dibromomethane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
1,2-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
1,2-Dichloroethane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
1,2-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
1,3-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
1,3-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
1,4-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
2,2-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
2-Chlorotoluene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
4-Chlorotoluene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
4-Isopropyltoluene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Benzene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Bromobenzene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Bromodichloromethane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Bromoform	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Bromomethane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Carbon tetrachloride	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Chlorobenzene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Chloroethane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Chloroform	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Chloromethane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
cis-1,2-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 11:25 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DK Surrogate Diluted Out



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-17

Lab Order: 116746

Collection Date: 3/4/2011

Project: SJHC Site

Matrix: GROUNDWATER

Lab ID: 116746-011A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS2_110309S	QC Batch:	Q11VW024	PrepDate:	Analyst: SLL	
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Di-isopropyl ether	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Dibromochloromethane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Dibromomethane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Dichlorodifluoromethane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Ethyl tert-butyl ether	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Ethylbenzene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Hexachlorobutadiene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Isopropylbenzene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
m,p-Xylene	ND	10	µg/L	1	3/9/2011 11:25 PM
Methylene chloride	ND	5.0	µg/L	1	3/9/2011 11:25 PM
MTBE	130	50	µg/L	10	3/9/2011 11:46 PM
n-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
n-Propylbenzene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Naphthalene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
o-Xylene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
sec-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Styrene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Tert-amyl methyl ether	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Tert-Butanol	ND	100	µg/L	1	3/9/2011 11:25 PM
tert-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Tetrachloroethene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Toluene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Trichloroethene	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Trichlorofluoromethane	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Vinyl chloride	ND	5.0	µg/L	1	3/9/2011 11:25 PM
Sum: 1,2-Dichloroethane-d4	85.1	70-130	%REC	1	3/9/2011 11:25 PM
Sum: 1,2-Dichloroethane-d4	84.1	70-130	%REC	10	3/9/2011 11:46 PM
Sum: 4-Bromofluorobenzene	107	70-130	%REC	1	3/9/2011 11:25 PM
Sum: 4-Bromofluorobenzene	103	70-130	%REC	10	3/9/2011 11:46 PM
Sum: Dibromofluoromethane	86.1	70-130	%REC	1	3/9/2011 11:25 PM
Sum: Dibromofluoromethane	85.2	70-130	%REC	10	3/9/2011 11:46 PM
Sum: Toluene-d8	87.5	70-130	%REC	10	3/9/2011 11:46 PM
Sum: Toluene-d8	80.1	70-130	%REC	1	3/9/2011 11:25 PM

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference
 DO Surrogate Diluted Out

R Value above quantitation range
 ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-17

Lab Order: 116746

Collection Date: 3/4/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-011B

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC19_110300A	QC Batch: M11VW049	PrepDate:		Analyst: DDL		
GRD	0.35	0.20	mg/L	1	3/9/2011 05:00 PM	
Sur: Bromofluorobenzene (FID)	97.1	70-130	%REC	1	3/9/2011 05:00 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

**Advanced Technology
Laboratories**

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-011C

Client Sample ID: MW-17
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C			EPA 8270C			
RunID: MS_13_110515B	QC Batch: 71420			PrepDate: 3/10/2011	Analyst: JSD	
1,2,4-Trichlorobenzene	ND	200		µg/L	20	3/15/2011 06:59 PM
1,2-Dichlorobenzene	ND	200		µg/L	20	3/15/2011 06:59 PM
1,3-Dichlorobenzene	ND	200		µg/L	20	3/15/2011 06:59 PM
1,4-Dichlorobenzene	ND	200		µg/L	20	3/15/2011 06:59 PM
2,4,5-Trichlorophenol	ND	200		µg/L	20	3/15/2011 06:59 PM
2,4,6-Trichlorophenol	ND	200		µg/L	20	3/15/2011 06:59 PM
2,4-Dichlorophenol	ND	200		µg/L	20	3/15/2011 06:59 PM
2,4-Dimethylphenol	ND	200		µg/L	20	3/15/2011 06:59 PM
2,4-Dinitrophenol	ND	1000		µg/L	20	3/15/2011 06:59 PM
2,4-Dinitrotoluene	ND	200		µg/L	20	3/15/2011 06:59 PM
2,6-Dinitrotoluene	ND	200		µg/L	20	3/15/2011 06:59 PM
2-Chloronaphthalene	ND	200		µg/L	20	3/15/2011 06:59 PM
2-Chlorophenol	ND	200		µg/L	20	3/15/2011 06:59 PM
2-Methylnaphthalene	ND	200		µg/L	20	3/15/2011 06:59 PM
2-Methylphenol	ND	200		µg/L	20	3/15/2011 06:59 PM
2-Nitroaniline	ND	1000		µg/L	20	3/15/2011 06:59 PM
2-Nitrophenol	ND	200		µg/L	20	3/15/2011 06:59 PM
3,3'-Dichlorobenzidine	ND	400		µg/L	20	3/15/2011 06:59 PM
3-Nitroaniline	ND	1000		µg/L	20	3/15/2011 06:59 PM
4,6-Dinitro-2-methylphenol	ND	1000		µg/L	20	3/15/2011 06:59 PM
4-Bromophenyl-phenylether	ND	200		µg/L	20	3/15/2011 06:59 PM
4-Chloro-3-methylphenol	ND	1000		µg/L	20	3/15/2011 06:59 PM
4-Chloroaniline	ND	400		µg/L	20	3/15/2011 06:59 PM
4-Chlorophenyl-phenylether	ND	200		µg/L	20	3/15/2011 06:59 PM
4-Methylphenol	ND	200		µg/L	20	3/15/2011 06:59 PM
4-Nitroaniline	ND	400		µg/L	20	3/15/2011 06:59 PM
4-Nitrophenol	ND	1000		µg/L	20	3/15/2011 06:59 PM
Acenaphthene	ND	200		µg/L	20	3/15/2011 06:59 PM
Acenaphthylene	ND	200		µg/L	20	3/15/2011 06:59 PM
Anthracene	ND	200		µg/L	20	3/15/2011 06:59 PM
Benzidine (M)	ND	1000		µg/L	20	3/15/2011 06:59 PM
Benzo(a)anthracene	ND	200		µg/L	20	3/15/2011 06:59 PM
Benzo(a)pyrene	ND	200		µg/L	20	3/15/2011 06:59 PM
Benzo(b)fluoranthene	ND	200		µg/L	20	3/15/2011 06:59 PM
Benzo(g,h,i)pyrene	ND	200		µg/L	20	3/15/2011 06:59 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHIC Site
Lab ID: 116746-011C

Client Sample ID: MW-17
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID: MS 13_110315B	QC Batch: 71420	PrepDate: 3/10/2011	Analyst: JSD
Benzo(k)fluoranthene	ND	200	µg/L
Benzoic acid	ND	1000	µg/L
Benzyl alcohol	ND	400	µg/L
Bis(2-chloroethoxy)methane	ND	200	µg/L
Bis(2-chloroethyl)ether	ND	200	µg/L
Bis(2-chloroisopropyl)ether	ND	200	µg/L
Bis(2-ethylhexyl)phthalate	ND	200	µg/L
Butylbenzylphthalate	ND	200	µg/L
Chrysene	ND	200	µg/L
Di-n-butylphthalate	ND	200	µg/L
Di-n-octylphthalate	ND	200	µg/L
Dibenz(a,h)anthracene	ND	200	µg/L
Dibenzofuran	ND	200	µg/L
Dioctylphthalate	ND	200	µg/L
Dimethylphthalate	ND	200	µg/L
Fluoranthene	ND	200	µg/L
Fluorene	ND	200	µg/L
Hexachlorobenzene	ND	200	µg/L
Hexachlorobutadiene	ND	400	µg/L
Hexachlorocyclopentadiene	ND	200	µg/L
Hexachloroethane	ND	200	µg/L
Indeno(1,2,3-cd)pyrene	ND	200	µg/L
Isophorone	ND	200	µg/L
N-Nitrosodi-n-propylamine	ND	200	µg/L
N-Nitrosodiphenylamine	ND	200	µg/L
Naphthalene	ND	200	µg/L
Nitrobenzene	ND	200	µg/L
Perchlorophenol	ND	1000	µg/L
Phenanthrene	ND	200	µg/L
Phenol	ND	200	µg/L
Pyrene	ND	200	µg/L
Sum: 1,2-Dichlorobenzene-d4	77.2	46-97	%REC
Sum: 2,4,6-Tribromophenol	67.0	59-124	%REC
Sum: 2-Chlorophenol-d4	56.0	49-93	%REC
Sum: 2-Fluorobiphenyl	75.6	57-107	%REC

Qualifier:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Standard outside of limits due to matrix interference		Results are wet unless otherwise specified
	DG	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-17

Lab Order: 116746

Collection Date: 3/4/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-011C

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3510C****EPA 8270C**

RunID: MS 13_110315B	OC Batch: 71420	PrepDate: 3/10/2011	Analyst: JSD
Surr: 2-Fluorophenol	32.4	27-60	%REC 20 3/15/2011 06:59 PM
Surr: 4-Terphenyl-d14	77.6	69-132	%REC 20 3/15/2011 06:59 PM
Surr: Nitrobenzene-d5	67.4	52-107	%REC 20 3/15/2011 06:59 PM
Surr: Phenol-d5	21.2	15-50	%REC 20 3/15/2011 06:59 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	U	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DC	Surrogate Diluted Out		

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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-17

Lab Order: 116746

Collection Date: 3/4/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-011D

Analyses	Result	PQL	Qual	Units	DP	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C			EPA 8015B(M)			
RunID: GC16_110311C	QC Batch: 71410	PrepDate: 3/9/2011		Analyst: MFR		
DRO	1.1	0.20	mg/L	1	3/11/2011 05:12 PM	
Sum: p-Torphenyl	69.7	36-126	%REC	1	3/11/2011 05:12 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Summation outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Summation Diluted Out		

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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-0113

Client Sample ID: MW-17
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3510C			EPA 8015B(M)			
RunID: GC16_110314C	QC Batch: 71451	PrepDate: 3/10/2011 Analyst: CBR				
DRO	ND	0.20		mg/L	1	3/15/2011 12:56 AM
Surr: p-Terphenyl	72.4	36-126		%REC	1	3/15/2011 12:56 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-012A

Client Sample ID: MW-3
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS2_110310A	QC Batch:	Q111VW025	PrepDate:	Analyst:	SLL
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
1,1,1-Trichloroethane	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
1,1,2-Trichloroethane	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
1,1-Dichloroethane	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
1,1-Dichloroethene	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
1,1-Dichloropropene	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
1,2,3-Trichloropropane	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
1,2,4-Trimethylbenzene	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
1,2-Dibromoethane	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
1,2-Dichlorobenzene	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
1,2-Dichloroethane	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
1,2-Dichloropropane	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
1,3,5-Trimethylbenzene	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
1,3-Dichlorobenzene	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
1,3-Dichloropropane	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
1,4-Dichlorobenzene	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
2,2-Dichloropropane	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
2-Chlorotoluene	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
4-Chlorotoluene	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
4-Isopropyltoluene	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
Benzene	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
Bromobenzene	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
Bromochloromethane	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
Bromofarm	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
Bromomethane	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
Carbon tetrachloride	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
Chlorobenzene	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
Chloroethane	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
Chloroform	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
Chloromethane	ND	5.0	µg/L	1	3/10/2011 10:14 AM	
cis-1,2-Dichloroethene	ND	5.0	µg/L	1	3/10/2011 10:14 AM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
100 Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-012A

Client Sample ID: MW-3
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS2_110310A	QC Batch: Q11VW025	PrepDate:	Analyst: SLL
cis-1,3-Dichloropropene	ND	5.0	µg/L
Di-isopropyl ether	ND	5.0	µg/L
Dibromochloromethane	ND	5.0	µg/L
Dibromomethane	ND	5.0	µg/L
Dichlorodifluoromethane	ND	5.0	µg/L
Ethyl tert-butyl ether	ND	5.0	µg/L
Ethylbenzene	ND	5.0	µg/L
Hexachlorobutadiene	ND	5.0	µg/L
Isopropylbenzene	ND	5.0	µg/L
m,p-Xylene	ND	10	µg/L
Methylene chloride	ND	5.0	µg/L
MIBK	ND	5.0	µg/L
n-Butylbenzene	ND	5.0	µg/L
n-Propylbenzene	ND	5.0	µg/L
Naphthalene	ND	5.0	µg/L
o-Xylene	ND	5.0	µg/L
sec-Butylbenzene	ND	5.0	µg/L
Styrene	ND	5.0	µg/L
tert-amyl methyl ether	ND	5.0	µg/L
tert-Butanol	ND	100	µg/L
tert-Butylbenzene	ND	5.0	µg/L
Tetrachloroethene	ND	5.0	µg/L
Toluene	ND	5.0	µg/L
trans-1,2-Dichloroethene	ND	5.0	µg/L
Trichloroethene	ND	5.0	µg/L
Trichlorofluoromethane	ND	5.0	µg/L
Vinyl chloride	ND	5.0	µg/L
Sum: 1,2-Dichloroethene-d4	82.3	70-130	%REC
Sum: 4-Bromofluorobenzene	101	70-130	%REC
Sum: Dibromofluoromethane	83.4	70-130	%REC
Sum: Toluene-d8	88.1	70-130	%REC

Qualifiers: H Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DC Surrogate Diluted Out



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-3

Lab Order: 116746

Collection Date: 3/4/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-0121

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

RunID: GC19_110308A

GC Batch: M11VWS49

PrepDate:

Analyst: DDL

GRO ND 0.20 mg/L 1 3/9/2011 05:20 PM

Surrogate: Bromofluorobenzene (FID) 99.4 70-130 %REC 1 3/9/2011 05:20 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	R	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DD	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SUTIC Site
Lab ID: 116746-012C

Client Sample ID: MW-3
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS 13_110315B	QC Batch:	71420	PrepDate:	3/10/2011	Analyst:	JSD
1,2,4-Trichlorobenzene	ND	10	µg/L	1	3/15/2011 07:27 PM		
1,2-Dichlorobenzene	ND	10	µg/L	1	3/15/2011 07:27 PM		
1,3-Dichlorobenzene	ND	10	µg/L	1	3/15/2011 07:27 PM		
1,4-Dichlorobenzene	ND	10	µg/L	1	3/15/2011 07:27 PM		
2,4,5-Trichlorophenol	ND	10	µg/L	1	3/15/2011 07:27 PM		
2,4,6-Trichlorophenol	ND	10	µg/L	1	3/15/2011 07:27 PM		
2,4-Dichlorophenol	ND	10	µg/L	1	3/15/2011 07:27 PM		
2,4-Dimethylphenol	ND	10	µg/L	1	3/15/2011 07:27 PM		
2,4-Dinitrophenol	ND	50	µg/L	1	3/15/2011 07:27 PM		
2,4-Dinitrotoluene	ND	10	µg/L	1	3/15/2011 07:27 PM		
2,6-Dinitrotoluene	ND	10	µg/L	1	3/15/2011 07:27 PM		
2-Chloronaphthalene	ND	10	µg/L	1	3/15/2011 07:27 PM		
2-Chlorophenol	ND	10	µg/L	1	3/15/2011 07:27 PM		
2-Methylnaphthalene	ND	10	µg/L	1	3/15/2011 07:27 PM		
2-Methylphenol	ND	10	µg/L	1	3/15/2011 07:27 PM		
2-Nitroaniline	ND	50	µg/L	1	3/15/2011 07:27 PM		
2-Nitrophenol	ND	10	µg/L	1	3/15/2011 07:27 PM		
3,3'-Dichlorobenzidine	ND	20	µg/L	1	3/15/2011 07:27 PM		
3-Nitroaniline	ND	50	µg/L	1	3/15/2011 07:27 PM		
4,6-Dinitro-2-methylphenol	ND	50	µg/L	1	3/15/2011 07:27 PM		
4-Bromophenyl-phenylether	ND	10	µg/L	1	3/15/2011 07:27 PM		
4-Chloro-3-methylphenol	ND	50	µg/L	1	3/15/2011 07:27 PM		
4-Chloroaniline	ND	20	µg/L	1	3/15/2011 07:27 PM		
4-Chlorophenyl-phenylether	ND	10	µg/L	1	3/15/2011 07:27 PM		
4-Methylphenol	ND	10	µg/L	1	3/15/2011 07:27 PM		
4-Nitroaniline	ND	20	µg/L	1	3/15/2011 07:27 PM		
4-Nitrophenol	ND	50	µg/L	1	3/15/2011 07:27 PM		
Acenaphthene	ND	10	µg/L	1	3/15/2011 07:27 PM		
Acenaphthylene	ND	10	µg/L	1	3/15/2011 07:27 PM		
Anthracene	ND	10	µg/L	1	3/15/2011 07:27 PM		
Benztidine (M)	ND	50	µg/L	1	3/15/2011 07:27 PM		
Benzo(a)anthracene	ND	10	µg/L	1	3/15/2011 07:27 PM		
Benzo(a)pyrene	ND	10	µg/L	1	3/15/2011 07:27 PM		
Benzo(b)fluoranthene	ND	10	µg/L	1	3/15/2011 07:27 PM		
Benzo(g,h,i)perylene	ND	10	µg/L	1	3/15/2011 07:27 PM		

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DU Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation **Client Sample ID:** MW-3
Lab Order: 116746 **Collection Date:** 3/4/2011
Project: SHHC Site **Matrix:** GROUNDWATER
Lab ID: 116746-012C

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS 13_110315B	QC Batch:	71420	PrepDate:	3/10/2011	Analyst:	JSD
Benzo(k)fluoranthene	ND	10	µg/L	1	3/15/2011 07:27 PM		
Benzoic acid	ND	50	µg/L	1	3/15/2011 07:27 PM		
Benzyl alcohol	ND	20	µg/L	1	3/15/2011 07:27 PM		
Bis(2-chloroethoxy)methane	ND	10	µg/L	1	3/15/2011 07:27 PM		
Bis(2-chloroethyl)ether	ND	10	µg/L	1	3/15/2011 07:27 PM		
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1	3/15/2011 07:27 PM		
Bis(2-ethylhexyl)phthalate	ND	10	µg/L	1	3/15/2011 07:27 PM		
Butylbenzylphthalate	ND	10	µg/L	1	3/15/2011 07:27 PM		
Chrysene	ND	10	µg/L	1	3/15/2011 07:27 PM		
Di-n-butylphthalate	ND	10	µg/L	1	3/15/2011 07:27 PM		
Di-n-octylphthalate	ND	10	µg/L	1	3/15/2011 07:27 PM		
Dibenz(a,h)anthracene	ND	10	µg/L	1	3/15/2011 07:27 PM		
Dibenzofuran	ND	10	µg/L	1	3/15/2011 07:27 PM		
Diallylphthalate	ND	10	µg/L	1	3/15/2011 07:27 PM		
Dimethylphthalate	ND	10	µg/L	1	3/15/2011 07:27 PM		
Fluoranthene	ND	10	µg/L	1	3/15/2011 07:27 PM		
Fluorene	ND	10	µg/L	1	3/15/2011 07:27 PM		
Hexachlorobenzene	ND	10	µg/L	1	3/15/2011 07:27 PM		
Hexachlorobutadiene	ND	20	µg/L	1	3/15/2011 07:27 PM		
Hexachlorocyclopentadiene	ND	10	µg/L	1	3/15/2011 07:27 PM		
Hexachloroethane	ND	10	µg/L	1	3/15/2011 07:27 PM		
Indeno(1,2,3-cd)pyrene	ND	10	µg/L	1	3/15/2011 07:27 PM		
Isophorone	ND	10	µg/L	1	3/15/2011 07:27 PM		
N-Nitrosodim-n-propylamine	ND	10	µg/L	1	3/15/2011 07:27 PM		
N-Nitrosodiphenylamine	ND	10	µg/L	1	3/15/2011 07:27 PM		
Naphthalene	ND	10	µg/L	1	3/15/2011 07:27 PM		
Nitrobenzene	ND	10	µg/L	1	3/15/2011 07:27 PM		
Pentachlorophenol	ND	50	µg/L	1	3/15/2011 07:27 PM		
Phenanthrene	ND	10	µg/L	1	3/15/2011 07:27 PM		
Phenol	ND	10	µg/L	1	3/15/2011 07:27 PM		
Pyrene	ND	10	µg/L	1	3/15/2011 07:27 PM		
Sum: 1,2-Dichlorobenzene-d4	82.1	46-97	%REC	1	3/15/2011 07:27 PM		
Sum: 2,4,6-Trichlorophenol	102	59-124	%REC	1	3/15/2011 07:27 PM		
Sum: 2-Chlorophenol-d4	69.1	49-93	%REC	1	3/15/2011 07:27 PM		
Sum: 2-Fluorobiphenyl	86.8	57-107	%REC	1	3/15/2011 07:27 PM		

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference
 DO Surrogate Diluted Out
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Tesla Environmental Corporation
Lab Order: 116746
Project: SIHC Site
Lab ID: J16746-012C

Client Sample ID: MW-3
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3510C****EPA 8270C**

RunID: MS 13_110315B	QC Batch: 71420	PrepDate: 3/10/2011	Analyst: JSD
Sum: 2-Fluorophenol	39.8	27-60	%REC 1 3/15/2011 07:27 PM
Sum: 4-Terphenyl-d14	83.5	69-132	%REC 1 3/15/2011 07:27 PM
Sum: Nitrobenzene-d5	84.0	52-107	%REC 1 3/15/2011 07:27 PM
Sum: Phenol-d5	28.5	15-50	%REC 1 3/15/2011 07:27 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT:	Testa Environmental Corporation	Client Sample ID:	MW-3
Lab Order:	116746	Collection Date:	3/4/2011
Project:	SHHC Site	Matrix:	GROUNDWATER
Lab ID:	116746-012D		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C		EPA 8015B(M)			
RunID: GC#6_110311C	QC Batch:	71410		PrepDate:	3/9/2011	Analyst: MFR
DRO	0.21	0.20	ng/L	1	3/11/2011 03:05 PM	
Surr: p-Torphenyl	70.8	36-126	%REC	1	3/11/2011 03:05 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

**Advanced Technology
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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-3

Lab Order: 116746

Collection Date: 3/4/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-0121

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
	EPA 3510C		EPA 8015B(M)			
RunID: GC16_110314C	QC Batch: 71451			PrepDate: 3/10/2011		Analyst: CBR
DRO	ND	0.20		mg/L	1	3/15/2011 12:47 AM
Sur: p-Terphenyl	25.0	36-126	S	%REC	1	3/15/2011 12:47 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DD	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-013A

Client Sample ID: MW-13
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_110309A	QC Batch: A11VW046	PrepDate:	Analyst: SLL		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	1	3/9/2011 01:48 PM
1,1,1-Trichloroethane	ND	5.0	µg/L	1	3/9/2011 01:48 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	1	3/9/2011 01:48 PM
1,1,2-Trichloroethane	ND	5.0	µg/L	1	3/9/2011 01:48 PM
1,1-Dichloroethane	ND	5.0	µg/L	1	3/9/2011 01:48 PM
1,1-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 01:48 PM
1,1-Dichloropropene	ND	5.0	µg/L	1	3/9/2011 01:48 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1	3/9/2011 01:48 PM
1,2,3-Trichloropropane	ND	5.0	µg/L	1	3/9/2011 01:48 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	3/9/2011 01:48 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/L	1	3/9/2011 01:48 PM
1,2-Dichloro-3-chloropropane	ND	5.0	µg/L	1	3/9/2011 01:48 PM
1,2-Dichloroethane	ND	5.0	µg/L	1	3/9/2011 01:48 PM
1,2-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 01:48 PM
1,2-Dichloroethane	ND	5.0	µg/L	1	3/9/2011 01:48 PM
1,2-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 01:48 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/L	1	3/9/2011 01:48 PM
1,3-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 01:48 PM
1,3-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 01:48 PM
1,4-Dichlorobenzene	ND	5.0	µg/L	1	3/9/2011 01:48 PM
2,2-Dichloropropane	ND	5.0	µg/L	1	3/9/2011 01:48 PM
2-Chlorotoluene	ND	5.0	µg/L	1	3/9/2011 01:48 PM
4-Chlorotoluene	ND	5.0	µg/L	1	3/9/2011 01:48 PM
4-Isopropyltoluene	ND	5.0	µg/L	1	3/9/2011 01:48 PM
Benzene	ND	5.0	µg/L	1	3/9/2011 01:48 PM
Bromobenzene	ND	5.0	µg/L	1	3/9/2011 01:48 PM
Bromodichloromethane	ND	5.0	µg/L	1	3/9/2011 01:48 PM
Bromoform	ND	5.0	µg/L	1	3/9/2011 01:48 PM
Bromomethane	ND	5.0	µg/L	1	3/9/2011 01:48 PM
Carbon tetrachloride	ND	5.0	µg/L	1	3/9/2011 01:48 PM
Chlorobenzene	ND	5.0	µg/L	1	3/9/2011 01:48 PM
Chloroethane	ND	5.0	µg/L	1	3/9/2011 01:48 PM
Chloroform	ND	5.0	µg/L	1	3/9/2011 01:48 PM
Chloromethane	ND	5.0	µg/L	1	3/9/2011 01:48 PM
cis-1,2-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 01:48 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
 Lab Order: 116746
 Project: SHEIC Site
 Lab ID: 116746-013A

Client Sample ID: MW-13
 Collection Date: 3/4/2011
 Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS11_110309A	QC Batch:	A11VW046	PrepDate:	Analyst:	SLL
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	3/9/2011 01:48 PM	
Di-isopropyl ether	ND	5.0	µg/L	1	3/9/2011 01:48 PM	
Dibromochloromethane	ND	5.0	µg/L	1	3/9/2011 01:48 PM	
Dibromomethane	ND	5.0	µg/L	1	3/9/2011 01:48 PM	
Dichlorodifluoromethane	ND	5.0	µg/L	1	3/9/2011 01:48 PM	
Ethyl tert-butyl ether	ND	5.0	µg/L	1	3/9/2011 01:48 PM	
Ethylbenzene	ND	5.0	µg/L	1	3/9/2011 01:48 PM	
Hexachlorobutadiene	ND	5.0	µg/L	1	3/9/2011 01:48 PM	
Isopropylbenzene	51	5.0	µg/L	1	3/9/2011 01:48 PM	
m,p-Xylene	ND	10	µg/L	1	3/9/2011 01:48 PM	
Methylene chloride	ND	5.0	µg/L	1	3/9/2011 01:48 PM	
MTBE	19	5.0	µg/L	1	3/9/2011 01:48 PM	
n-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 01:48 PM	
n-Propylbenzene	44	5.0	µg/L	1	3/9/2011 01:48 PM	
Naphthalene	260	50	µg/L	10	3/9/2011 02:28 PM	
o-Xylene	ND	5.0	µg/L	1	3/9/2011 01:48 PM	
sec-Butylbenzene	11	5.0	µg/L	1	3/9/2011 01:48 PM	
Styrene	ND	5.0	µg/L	1	3/9/2011 01:48 PM	
Tert-amyl methyl ether	ND	5.0	µg/L	1	3/9/2011 01:48 PM	
Tert-Butanol	ND	100	µg/L	1	3/9/2011 01:48 PM	
Tert-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 01:48 PM	
Tetrachloroethene	ND	5.0	µg/L	1	3/9/2011 01:48 PM	
Toluene	ND	5.0	µg/L	1	3/9/2011 01:48 PM	
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 01:48 PM	
Trichloroethene	ND	5.0	µg/L	1	3/9/2011 01:48 PM	
Trichlorofluoromethane	ND	5.0	µg/L	1	3/9/2011 01:48 PM	
Vinyl chloride	ND	5.0	µg/L	1	3/9/2011 01:48 PM	
Surr: 1,2-Dichloroethane-d4	92.0	70-130	%REC	1	3/9/2011 01:48 PM	
Surr: 1,2-Dichloroethane-d4	93.2	70-130	%REC	10	3/9/2011 02:28 PM	
Surr: 4-Bromofluorobenzene	116	70-130	%REC	1	3/9/2011 01:48 PM	
Surr: 4-Bromofluorobenzene	115	70-130	%REC	10	3/9/2011 02:28 PM	
Surr: Dibromofluoromethane	93.8	70-130	%REC	1	3/9/2011 01:48 PM	
Surr: Dibromofluoromethane	94.6	70-130	%REC	10	3/9/2011 02:28 PM	
Surr: Toluene-d8	109	70-130	%REC	10	3/9/2011 02:28 PM	
Surr: Toluene-d8	107	70-130	%REC	1	3/9/2011 01:48 PM	

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference
 DD Surrogate Diluted Out
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHBC Site
Lab ID: 116746-013B

Client Sample ID: MW-13
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID**EPA 8015B(M)**

RunID: GC19_110309A	GC Batch: M11VW049	PrepDate:	Analyst: DDL			
GRD	0.69	0.20	mg/L	1	3/3/2011 06:39 PM	
Surr: Bromofluorobenzene (FID)	163	70-130	%	%REC	1	3/3/2011 06:39 PM

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out

b Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
 Lab Order: 116746
 Project: SHHC Site
 Lab ID: 116746-013C

Client Sample ID: MW-13
 Collection Date: 3/4/2011
 Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS 15_110516B	QC Batch:	71420	PrepDate:	3/10/2011	Analyst:	JSD
1,2,4-Trichlorobenzene	ND	200	µg/L	20	3/15/2011 07:56 PM		
1,2-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 07:56 PM		
1,3-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 07:56 PM		
1,4-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 07:56 PM		
2,4,5-Trichlorophenol	ND	200	µg/L	20	3/15/2011 07:56 PM		
2,4,6-Trichlorophenol	ND	200	µg/L	20	3/15/2011 07:56 PM		
2,4-Dichlorophenol	ND	200	µg/L	20	3/15/2011 07:56 PM		
2,4-Dimethylphenol	ND	200	µg/L	20	3/15/2011 07:56 PM		
2,4-Dinitrophenol	ND	1000	µg/L	20	3/15/2011 07:56 PM		
2,4-Dinitrotoluene	ND	200	µg/L	20	3/15/2011 07:56 PM		
2,6-Dinitrotoluene	ND	200	µg/L	20	3/15/2011 07:56 PM		
2-Chloronaphthalene	ND	200	µg/L	20	3/15/2011 07:56 PM		
2-Chlorophenol	ND	200	µg/L	20	3/15/2011 07:56 PM		
2-Methylnaphthalene	ND	200	µg/L	20	3/15/2011 07:56 PM		
2-Methylphenol	ND	200	µg/L	20	3/15/2011 07:56 PM		
2-Nitroaniline	ND	1000	µg/L	20	3/15/2011 07:56 PM		
2-Nitrophenol	ND	200	µg/L	20	3/15/2011 07:56 PM		
3,3'-Dichlorobenzidine	ND	400	µg/L	20	3/15/2011 07:56 PM		
3-Nitroaniline	ND	1000	µg/L	20	3/15/2011 07:56 PM		
4,6-Dinitro-2-methylphenol	ND	1000	µg/L	20	3/15/2011 07:56 PM		
4-Bromophenyl-phenylether	ND	200	µg/L	20	3/15/2011 07:56 PM		
4-Chloro-3-methylphenol	ND	1000	µg/L	20	3/15/2011 07:56 PM		
4-Chloroaniline	ND	400	µg/L	20	3/15/2011 07:56 PM		
4-Chlorophenyl-phenylether	ND	200	µg/L	20	3/15/2011 07:56 PM		
4-Methylphenol	ND	200	µg/L	20	3/15/2011 07:56 PM		
4-Nitroaniline	ND	400	µg/L	20	3/15/2011 07:56 PM		
4-Nitrophenol	ND	1000	µg/L	20	3/15/2011 07:56 PM		
Acenaphthylene	ND	200	µg/L	20	3/15/2011 07:56 PM		
Acenaphthylene	ND	200	µg/L	20	3/15/2011 07:56 PM		
Anthracene	ND	200	µg/L	20	3/15/2011 07:56 PM		
Benzidine (M)	ND	1000	µg/L	20	3/15/2011 07:56 PM		
Benzo(a)anthracene	ND	200	µg/L	20	3/15/2011 07:56 PM		
Benzo(a)pyrene	ND	200	µg/L	20	3/15/2011 07:56 PM		
Benzo(b)fluoranthene	ND	200	µg/L	20	3/15/2011 07:56 PM		
Benzo(g,h,i)perylene	ND	200	µg/L	20	3/15/2011 07:56 PM		

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DD Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-013C

Client Sample ID: MW-13
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C EPA 8270C						
RunID: MS_13_110315B	QC Batch: 71420	PrepDate: 3/10/2011 Analyst: JSD				
Benzo(k)fluoranthene	ND	200		µg/L	20	3/15/2011 07:56 PM
Benzoic acid	ND	1000		µg/L	20	3/15/2011 07:56 PM
Benzyl alcohol	ND	400		µg/L	20	3/15/2011 07:56 PM
Bis(2-chloroethoxy)methane	ND	200		µg/L	20	3/15/2011 07:56 PM
Bis(2-chloroethyl)ether	ND	200		µg/L	20	3/15/2011 07:56 PM
Bis(2-chloroisopropyl)ether	ND	200		µg/L	20	3/15/2011 07:56 PM
Bis(2-ethylhexyl)phthalate	ND	200		µg/L	20	3/15/2011 07:56 PM
Butylbenzylphthalate	ND	200		µg/L	20	3/15/2011 07:56 PM
Chrysene	ND	200		µg/L	20	3/15/2011 07:56 PM
Di-n-butylphthalate	ND	200		µg/L	20	3/15/2011 07:56 PM
Di-n-octylphthalate	ND	200		µg/L	20	3/15/2011 07:56 PM
Dibenz(a,h)anthracene	ND	200		µg/L	20	3/15/2011 07:56 PM
Dibenzofuran	ND	200		µg/L	20	3/15/2011 07:56 PM
Diethylphthalate	ND	200		µg/L	20	3/15/2011 07:56 PM
Dimethylphthalate	ND	200		µg/L	20	3/15/2011 07:56 PM
Fluoranthene	ND	200		µg/L	20	3/15/2011 07:56 PM
Fluorene	ND	200		µg/L	20	3/15/2011 07:56 PM
Hexachlorobenzene	ND	200		µg/L	20	3/15/2011 07:56 PM
Hexachlorobutadiene	ND	400		µg/L	20	3/15/2011 07:56 PM
Hexachlorocyclopentadiene	ND	200		µg/L	20	3/15/2011 07:56 PM
Hexachloroethane	ND	200		µg/L	20	3/15/2011 07:56 PM
Indeno(1,2,3-cd)pyrene	ND	200		µg/L	20	3/15/2011 07:56 PM
Isophthalene	ND	200		µg/L	20	3/15/2011 07:56 PM
N-Ethoxydi-n-propylamine	ND	200		µg/L	20	3/15/2011 07:56 PM
N-Ethoxydiphenylamine	ND	200		µg/L	20	3/15/2011 07:56 PM
Naphthalene	ND	200		µg/L	20	3/15/2011 07:56 PM
Nitrobenzene	ND	200		µg/L	20	3/15/2011 07:56 PM
Pentachlorophenol	ND	1000		µg/L	20	3/15/2011 07:56 PM
Phenanthrene	ND	200		µg/L	20	3/15/2011 07:56 PM
Phenol	ND	200		µg/L	20	3/15/2011 07:56 PM
Pyrene	ND	200		µg/L	20	3/15/2011 07:56 PM
Surr: 1,2-Dichlorobenzene-d4	74.4	49-97		%REC	20	3/15/2011 07:56 PM
Surr: 2,4,6-Tribromophenol	90.4	59-124		%REC	20	3/15/2011 07:56 PM
Surr: 2-Chlorophenol-d4	64.4	49-93		%REC	20	3/15/2011 07:56 PM
Surr: 2-Fluorobiphenyl	77.6	57-107		%REC	20	3/15/2011 07:56 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 D0 Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT:	Testa Environmental Corporation	Client Sample ID:	MW-13
Lab Order:	116746	Collection Date:	3/4/2011
Project:	SHHC Site	Matrix:	GROUNDWATER
Lab ID:	116746-013C		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID: MS_13_1103158	QC Batch: 71420	PrepDate: 3/10/2011	Analyst: JSD
Surr: 2-Fluorephenol	32.0	27-60	%REC
Surr: 4-Terphenyl-d14	77.4	69-132	%REC
Surr: Nitrobenzene-d5	65.6	52-107	%REC
Surr: Phenol-d5	20.8	15-50	%REC

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation **Client Sample ID:** MW-13
Lab Order: 116746 **Collection Date:** 3/4/2011
Project: SHHC Site **Matrix:** GROUNDWATER
Lab ID: 116746-013D

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C		EPA 8015B(M)			
RunID: GC16_110311C	QC Batch:	71410		PrepDate:	3/9/2011	Analyst: MFR
DAO	8.5	2.0	mg/L	10	3/11/2011 04:23 PM	
Surz: p-Terphenyl	76.1	36-126	%REC	10	3/11/2011 04:23 PM	

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

- E Value above quantitation range
 - ND Not Detected at the Reporting Limit
- Results are wet unless otherwise specified



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation **Client Sample ID:** MW-13
Lab Order: 116746 **Collection Date:** 3/4/2011
Project: SIHC Site **Matrix:** GROUNDWATER
Lab ID: 116746-013E

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
	EPA 3510C		EPA 8015B(M)			
RunID: GC16_110314C	QC Batch: 71451			PrepDate: 3/10/2011	Analyst: CBR	
DRO	1.1	0.20		mg/L	1	3/15/2011 02:21 AM
Surrogate: p-Terphenyl	63.6	36-126		%REC	1	3/15/2011 02:21 AM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantification range
 H Holding times for preparation or analysis exceeded ND Not Detected in the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DD Surrogate Diluted Out



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SJHC Site
Lab ID: 116746-034A

Client Sample ID: MW-1
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analysis	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_110309A	GC Batch: A11VW046	PrepDate:	Analyst: SLL
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L
1,1,1-Trichloroethane	ND	5.0	µg/L
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L
1,1,2-Trichloroethane	ND	5.0	µg/L
1,1-Dichloroethane	ND	5.0	µg/L
1,2-Dichloroethane	ND	5.0	µg/L
1,2-Dichloropropene	ND	5.0	µg/L
1,2,3-Trichlorobenzene	ND	5.0	µg/L
1,2,3-Trichloropropane	ND	5.0	µg/L
1,2,4-Trichlorobenzene	ND	5.0	µg/L
1,2,4-Trimethylbenzene	ND	5.0	µg/L
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L
1,2-Dibromoethane	ND	5.0	µg/L
1,2-Dichlorobenzene	ND	5.0	µg/L
1,2-Dichloroethane	ND	5.0	µg/L
1,2-Dichloropropane	ND	5.0	µg/L
1,3,5-Trimethylbenzene	ND	5.0	µg/L
1,3-Dichlorobenzene	ND	5.0	µg/L
1,3-Dichloropropane	ND	5.0	µg/L
1,4-Dichlorobenzene	ND	5.0	µg/L
2,2-Dichloropropane	ND	5.0	µg/L
2-Chlorotoluene	ND	5.0	µg/L
4-Chlorotoluene	ND	5.0	µg/L
4-Isopropyltoluene	ND	5.0	µg/L
Benzene	ND	5.0	µg/L
Bromobenzene	ND	5.0	µg/L
Bromodichloromethane	ND	5.0	µg/L
Bromoform	ND	5.0	µg/L
Bromomethane	ND	5.0	µg/L
Carbon tetrachloride	ND	5.0	µg/L
Chlorobenzene	ND	5.0	µg/L
Chloroethane	ND	5.0	µg/L
Chloroform	ND	5.0	µg/L
Chloromethane	ND	5.0	µg/L
cis-1,2-Dichloroethane	ND	5.0	µg/L

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DD	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-1

Lab Order: 116746

Collection Date: 3/4/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-014A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_110309A	QC Batch: A11VW046	PrepDate:	Analyst: SLL
cis-1,3-Dichloropropene	ND	5.0	µg/L
Di-isopropyl ether	ND	5.0	µg/L
Dibromochloromethane	ND	5.0	µg/L
Dibromomethane	ND	5.0	µg/L
Dichlorodifluoromethane	ND	5.0	µg/L
Ethyl tert-butyl ether	ND	5.0	µg/L
Ethylbenzene	ND	5.0	µg/L
Hexachlorobutadiene	ND	5.0	µg/L
Isopropylbenzene	ND	5.0	µg/L
m,p-Xylene	ND	10	µg/L
Methylalum chloride	ND	5.0	µg/L
MTBE	ND	5.0	µg/L
n-Butylbenzene	ND	5.0	µg/L
n-Propylbenzene	ND	5.0	µg/L
Naphthalene	ND	5.0	µg/L
o-Xylene	ND	5.0	µg/L
sec-Butylbenzene	ND	5.0	µg/L
Styrene	ND	5.0	µg/L
Tert-amyl methyl ether	ND	5.0	µg/L
Tert-Butanol	ND	100	µg/L
tert-Butylbenzene	ND	5.0	µg/L
Tetrachloroethene	ND	5.0	µg/L
Toluene	ND	5.0	µg/L
trans-1,2-Dichloroethene	ND	5.0	µg/L
Trichloroethene	ND	5.0	µg/L
Trichlorofluoromethane	ND	5.0	µg/L
Vinyl chloride	ND	5.0	µg/L
Surr: 1,2-Dichloroethane-d4	95.8	70-130	%REC
Surr: 4-Bromofluorobenzene	113	70-130	%REC
Surr: Dibromofluoromethane	100	70-130	%REC
Surr: Toluene-d8	108	70-130	%REC

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference
 DO Surrogate Diluted Out

L Value above quantitation range
 ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation **Client Sample ID:** MW-1
Lab Order: 116746 **Collection Date:** 3/4/2011
Project: SHHC Site **Matrix:** GROUNDWATER
Lab ID: 116746-01413

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC10_110309A	QC Batch: M11VW049	PrepDate:	Analyst: DDL
GRO	ND	0.20	mg/L
Surrogate: Bromofluorobenzene (FID)	98.9	70-130	%REC

Qualifiers:	B	Analyte detected in the assigned Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected in the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DD	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-014C

Client Sample ID: MW-1
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID: MS 13_110315B	QC Batch: 71420	PrepDate: 3/10/2011	Analyst: JSD		
1,2,4-Trichlorobenzene	ND	200	µg/L	20	3/15/2011 09:44 PM
1,2-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 09:44 PM
1,3-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 09:44 PM
1,4-Dichlorobenzene	ND	200	µg/L	20	3/15/2011 09:44 PM
2,4,5-Trichlorophenol	ND	200	µg/L	20	3/15/2011 09:44 PM
2,4,6-Trichlorophenol	ND	200	µg/L	20	3/15/2011 09:44 PM
2,4-Dichlorophenol	ND	200	µg/L	20	3/15/2011 09:44 PM
2,4-Dimethylphenol	ND	200	µg/L	20	3/15/2011 09:44 PM
2,4-Dinitrophenol	ND	1000	µg/L	20	3/15/2011 09:44 PM
2,4-Dinitrotoluene	ND	200	µg/L	20	3/15/2011 09:44 PM
2,6-Dinitrotoluene	ND	200	µg/L	20	3/15/2011 09:44 PM
2-Chloronaphthalene	ND	200	µg/L	20	3/15/2011 09:44 PM
2-Chlorophenol	ND	200	µg/L	20	3/15/2011 09:44 PM
2-Methylnaphthalene	ND	200	µg/L	20	3/15/2011 09:44 PM
2-Methylphenol	ND	200	µg/L	20	3/15/2011 09:44 PM
2-Nitroaniline	ND	1000	µg/L	20	3/15/2011 09:44 PM
2-Nitrophenol	ND	200	µg/L	20	3/15/2011 09:44 PM
3,3'-Dichlorobenzidine	ND	400	µg/L	20	3/15/2011 09:44 PM
3-Nitroaniline	ND	1000	µg/L	20	3/15/2011 09:44 PM
4,6-Dinitro-2-methylphenol	ND	1000	µg/L	20	3/15/2011 09:44 PM
4-Bromophenyl-phenylether	ND	200	µg/L	20	3/15/2011 09:44 PM
4-Chloro-3-methylphenol	ND	1000	µg/L	20	3/15/2011 09:44 PM
4-Chloroaniline	ND	400	µg/L	20	3/15/2011 09:44 PM
4-Chlorophenyl-phenylether	ND	200	µg/L	20	3/15/2011 09:44 PM
4-Methylphenol	ND	200	µg/L	20	3/15/2011 09:44 PM
4-Nitroaniline	ND	400	µg/L	20	3/15/2011 09:44 PM
4-Nitrophenol	ND	1000	µg/L	20	3/15/2011 09:44 PM
Acenaphthene	ND	200	µg/L	20	3/15/2011 09:44 PM
Acenaphthylene	ND	200	µg/L	20	3/15/2011 09:44 PM
Anthracene	ND	200	µg/L	20	3/15/2011 09:44 PM
Benzidine (M)	ND	1000	µg/L	20	3/15/2011 09:44 PM
Benzo(a)anthracene	ND	200	µg/L	20	3/15/2011 09:44 PM
Benzo(a)pyrene	ND	200	µg/L	20	3/15/2011 09:44 PM
Benzo(b)fluoranthene	ND	200	µg/L	20	3/15/2011 09:44 PM
Benzo(g,h,i)perylene	ND	200	µg/L	20	3/15/2011 09:44 PM

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DC Surrogate Diluted Out

E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-014C

Client Sample ID: MW-1
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID: MS 13_110315B	QC Batch: 71420	PrepDate: 3/10/2011	Analyst: JSD
Benzo(k)fluoranthene	ND	200	µg/L
Benzoic acid	ND	1000	µg/L
Benzyl alcohol	ND	400	µg/L
Bis(2-chloroethoxy)methane	ND	200	µg/L
Bis(2-chloroethyl)ether	ND	200	µg/L
Bis(2-chloroisopropyl)ether	ND	200	µg/L
Bis(2-ethylhexyl)phthalate	ND	200	µg/L
Butylbenzylphthalate	ND	200	µg/L
Chrysene	ND	200	µg/L
Di-n-butylphthalate	ND	200	µg/L
Di-n-octylphthalate	ND	200	µg/L
Dibenz(a,h)anthracene	ND	200	µg/L
Dibenzofuran	ND	200	µg/L
Diethylphthalate	ND	200	µg/L
Dimethylphthalate	ND	200	µg/L
Fluoranthene	ND	200	µg/L
Fluorene	ND	200	µg/L
Hexachlorobenzene	ND	200	µg/L
Hexachlorobutadiene	ND	400	µg/L
Hexachlorocyclopentadiene	ND	200	µg/L
Hexachloroethane	ND	200	µg/L
Indeno(1,2,3-cd)pyrene	ND	200	µg/L
Isophorone	ND	200	µg/L
N-Nitrosodl-n-propylamine	ND	200	µg/L
N-Nitrosodiphenylamine	ND	200	µg/L
Naphthalene	ND	200	µg/L
Nitrobenzene	ND	200	µg/L
Pentachlorophenol	ND	1000	µg/L
Phenanthrene	ND	200	µg/L
Phenol	ND	200	µg/L
Pyrene	ND	200	µg/L
Surr: 1,2-Dichlorobenzene-d4	76.4	46-97	%REC
Surr: 2,4,6-Tribromophenol	95.4	59-124	%REC
Surr: 2-Chlorophenol-d4	60.0	49-93	%REC
Surr: 2-Fluorobiphenyl	83.6	57-107	%REC

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Tesla Environmental Corporation **Client Sample ID:** MW-1
Lab Order: 116746 **Collection Date:** 3/4/2011
Project: SHHC Site **Matrix:** GROUNDWATER
Lab ID: 116746-014C

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS 13_110315B	QC Batch:	71420	PrepDate:	3/10/2011	Analyst:	JSD
Surr:	2-Fluorophenol	34.2	27-60	%REC	20	3/15/2011 09:44 PM	
Surr:	4-Terphenyl-d14	61.4	69-132	%REC	20	3/15/2011 09:44 PM	
Surr:	Nitrobenzene-d5	66.2	52-107	%REC	20	3/15/2011 09:44 PM	
Surr:	Phenol-d5	22.2	15-50	%REC	20	3/15/2011 09:44 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation **Client Sample ID:** MW-1
Lab Order: 116746 **Collection Date:** 3/4/2011
Project: SHBIC Site **Matrix:** GROUNDWATER
Lab ID: 116746-0140

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C			EPA 8015B(M)			
RunID: GC16_110311C	GC Batch: 71410	PrepDate: 3/9/2011			Analyst: MFR	
ORO	5.5	2.0		mg/L	10	3/11/2011 04:33 PM
Surrogate: p-Terphenyl	72.0	36-126		%REC	10	3/11/2011 04:33 PM

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference
 DD Surrogate Diluted Out
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation **Client Sample ID:** MW-1
Lab Order: 116746 **Collection Date:** 3/4/2011
Project: SHHC Site **Matrix:** GROUNDWATER
Lab ID: 116746-014E

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
EPA 3510C			EPA 8015B(M)			
RunID: GC16_110314C	QC Batch: 71451	PrepDate: 3/10/2011 Analyst: CBR				
DRO	0.65	0.20		mg/L	1	3/15/2011 01:53 AM
Surr: p-Torphenyl	75.6	36.126		%REC	1	3/15/2011 01:53 AM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 D Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-015A

Client Sample ID: MW-10
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_110309A	QC Batch: A11VW046	PrepDate:	Analyst: SLL
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L
1,1,1-Trichloroethane	ND	5.0	µg/L
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L
1,1,2-Trichloroethane	ND	5.0	µg/L
1,1-Dichloroethane	ND	5.0	µg/L
1,1-Dichloroethene	ND	5.0	µg/L
1,1-Dichloropropane	ND	5.0	µg/L
1,2,3-Trichlorobenzene	ND	5.0	µg/L
1,2,3-Trichloropropane	ND	5.0	µg/L
1,2,4-Trichlorobenzene	ND	5.0	µg/L
1,2,4-Trimethylbenzene	ND	5.0	µg/L
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L
1,2-Dibromoethane	ND	5.0	µg/L
1,2-Dichlorobenzene	ND	5.0	µg/L
1,2-Dichloroethane	ND	5.0	µg/L
1,2-Dichloropropane	ND	5.0	µg/L
1,3,5-Trimethylbenzene	ND	5.0	µg/L
1,3-Dichlorobenzene	ND	5.0	µg/L
1,3-Dichloropropane	ND	5.0	µg/L
1,4-Dichlorobenzene	ND	5.0	µg/L
2,2-Dichloropropane	ND	5.0	µg/L
2-Chlorotoluene	ND	5.0	µg/L
4-Chlorotoluene	ND	5.0	µg/L
4-Isopropyltoluene	ND	5.0	µg/L
Benzene	ND	5.0	µg/L
Bromobenzene	ND	5.0	µg/L
Bromedichloromethane	ND	5.0	µg/L
Bromoform	ND	5.0	µg/L
Bromomethane	ND	5.0	µg/L
Carbon tetrachloride	ND	5.0	µg/L
Chlorobenzene	ND	5.0	µg/L
Chloroethane	ND	5.0	µg/L
Chloroform	ND	5.0	µg/L
Chloromethane	ND	5.0	µg/L
cis-1,2-Dichloroethene	ND	5.0	µg/L

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DU	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-015A

Client Sample ID: MW-10
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_110309A	QC Batch: A11VW046	PrepDate:	Analyst: SLL		
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	3/9/2011 12:08 PM
Di-isopropyl ether	ND	5.0	µg/L	1	3/9/2011 12:08 PM
Dibromochloromethane	ND	5.0	µg/L	1	3/9/2011 12:08 PM
Dibromomethane	ND	5.0	µg/L	1	3/9/2011 12:08 PM
Dichlorodifluoromethane	ND	5.0	µg/L	1	3/9/2011 12:08 PM
Ethyl tert-butyl ether	ND	5.0	µg/L	1	3/9/2011 12:08 PM
Ethylbenzene	ND	5.0	µg/L	1	3/9/2011 12:08 PM
Hexachlorobutadiene	ND	5.0	µg/L	1	3/9/2011 12:08 PM
Isopropylbenzene	ND	5.0	µg/L	1	3/9/2011 12:08 PM
m,p-Xylene	ND	10	µg/L	1	3/9/2011 12:08 PM
Methylene chloride	ND	5.0	µg/L	1	3/9/2011 12:08 PM
MTBE	ND	5.0	µg/L	1	3/9/2011 12:08 PM
n-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 12:08 PM
n-Propylbenzene	ND	5.0	µg/L	1	3/9/2011 12:08 PM
Naphthalene	ND	5.0	µg/L	1	3/9/2011 12:08 PM
o-Xylene	ND	5.0	µg/L	1	3/9/2011 12:08 PM
sec-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 12:08 PM
Styrene	ND	5.0	µg/L	1	3/9/2011 12:08 PM
Tert-amyl methyl ether	ND	5.0	µg/L	1	3/9/2011 12:08 PM
Tert-Butanol	ND	100	µg/L	1	3/9/2011 12:08 PM
Tert-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 12:08 PM
Tetrachloroethene	ND	5.0	µg/L	1	3/9/2011 12:08 PM
Toluene	ND	5.0	µg/L	1	3/9/2011 12:08 PM
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 12:08 PM
Trichloroethene	ND	5.0	µg/L	1	3/9/2011 12:08 PM
Trichlorofluoromethane	ND	5.0	µg/L	1	3/9/2011 12:08 PM
Vinyl chloride	ND	5.0	µg/L	1	3/9/2011 12:08 PM
Surr: 1,2-Dichloroethane-d4	92.9	70-130	%REC	1	3/9/2011 12:08 PM
Surr: 4-Bromofluorobenzene	113	70-130	%REC	1	3/9/2011 12:08 PM
Surr: Dibromofluoromethane	95.7	70-130	%REC	1	3/9/2011 12:08 PM
Surr: Toluene-d8	105	70-130	%REC	1	3/9/2011 12:08 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitative range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DD	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation Client Sample ID: MW-10
 Lab Order: 116746 Collection Date: 3/4/2011
 Project: SHHC Site Matrix: GROUNDWATER
 Lab ID: 116746-015B

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC19_110309A	QC Batch: M11VW049	PrepDate:	Analyst: DDL
GR0	ND	0.20	mg/L
Surrogate: Bromofluorobenzene (FID)	90.4	70-130	%REC

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	HI	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

Client: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-015C

Client Sample ID: MW-10
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID: MS 13_110315B	QC Batch: 71420	PrepDate: 3/10/2011	Analyst: JSD
1,2,4-Trichlorobenzene	ND	200	µg/L
1,2-Dichlorobenzene	ND	200	µg/L
1,3-Dichlorobenzene	ND	200	µg/L
1,4-Dichlorobenzene	ND	200	µg/L
2,4,5-Trichlorophenol	ND	200	µg/L
2,4,6-Trichlorophenol	ND	200	µg/L
2,4-Dichlorophenol	ND	200	µg/L
2,4-Dimethylphenol	ND	200	µg/L
2,4-Dinitrophenol	ND	1000	µg/L
2,4-Dinitrotoluene	ND	200	µg/L
2,6-Dinitrotoluene	ND	200	µg/L
2-Chloronaphthalene	ND	200	µg/L
2-Chlorophenol	ND	200	µg/L
2-Methylnaphthalene	ND	200	µg/L
2-Methylphenol	ND	200	µg/L
2-Nitroaniline	ND	1000	µg/L
2-Nitrophenol	ND	200	µg/L
3,3'-Dichlorobenzidine	ND	400	µg/L
3-Nitroaniline	ND	1000	µg/L
4,6-Dinitro-2-methylphenol	ND	1000	µg/L
4-Bromophenyl-phenylether	ND	200	µg/L
4-Chloro-3-methylphenol	ND	1000	µg/L
4-Chloroaniline	ND	400	µg/L
4-Chlorophenyl-phenylether	ND	200	µg/L
4-Methylphenol	ND	200	µg/L
4-Nitroaniline	ND	400	µg/L
4-Nitrophenol	ND	1000	µg/L
Acenaphthene	ND	200	µg/L
Acenaphthylene	ND	200	µg/L
Anthracene	ND	200	µg/L
Benzidine (M)	ND	1000	µg/L
Benzo(a)anthracene	ND	200	µg/L
Benzo(a)pyrene	ND	200	µg/L
Benzo(b)fluoranthene	ND	200	µg/L
Benzo(g,h,i)perylene	ND	200	µg/L

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SJHC Site
Lab ID: 116746-01SC

Client Sample ID: MW-10
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS 13_110315B	QC Batch:	71420	PrepDate:	3/10/2011	Analyst:	JSD
Benzo(k)fluoranthene	ND	200	µg/L	20	3/15/2011 10:12 PM		
Benzoic acid	ND	1000	µg/L	20	3/15/2011 10:12 PM		
Benzyl alcohol	ND	400	µg/L	20	3/15/2011 10:12 PM		
Bis(2-chloroethoxy)methane	ND	200	µg/L	20	3/15/2011 10:12 PM		
Bis(2-chloroethyl)ether	ND	200	µg/L	20	3/15/2011 10:12 PM		
Bis(2-chloroisopropyl)ether	ND	200	µg/L	20	3/15/2011 10:12 PM		
Bis(2-ethylhexyl)phthalate	ND	200	µg/L	20	3/15/2011 10:12 PM		
Butylbenzylphthalate	ND	200	µg/L	20	3/15/2011 10:12 PM		
Chrysene	ND	200	µg/L	20	3/15/2011 10:12 PM		
Di-n-butylphthalate	ND	200	µg/L	20	3/15/2011 10:12 PM		
Di-n-octylphthalate	ND	200	µg/L	20	3/15/2011 10:12 PM		
Dibenz(a,h)anthracene	ND	200	µg/L	20	3/15/2011 10:12 PM		
Dibenzofuran	ND	200	µg/L	20	3/15/2011 10:12 PM		
Diethylphthalate	ND	200	µg/L	20	3/15/2011 10:12 PM		
Dimethylphthalate	ND	200	µg/L	20	3/15/2011 10:12 PM		
Fluoranthene	ND	200	µg/L	20	3/15/2011 10:12 PM		
Fluorene	ND	200	µg/L	20	3/15/2011 10:12 PM		
Hexachlorobenzene	ND	200	µg/L	20	3/15/2011 10:12 PM		
Hexachlorobutadiene	ND	400	µg/L	20	3/15/2011 10:12 PM		
Hexachlorocyclopentadiene	ND	200	µg/L	20	3/15/2011 10:12 PM		
Hexachloroethane	ND	200	µg/L	20	3/15/2011 10:12 PM		
Indeno(1,2,3-cd)pyrene	ND	200	µg/L	20	3/15/2011 10:12 PM		
Isophorone	ND	200	µg/L	20	3/15/2011 10:12 PM		
N-Nitrosodi-n-propylamine	ND	200	µg/L	20	3/15/2011 10:12 PM		
N-Nitrosodiphenylamine	ND	200	µg/L	20	3/15/2011 10:12 PM		
Naphthalene	ND	200	µg/L	20	3/15/2011 10:12 PM		
Nitrobenzene	ND	200	µg/L	20	3/15/2011 10:12 PM		
Pentachlorophenol	ND	1000	µg/L	20	3/15/2011 10:12 PM		
Phenanthrene	ND	200	µg/L	20	3/15/2011 10:12 PM		
Phenol	ND	200	µg/L	20	3/15/2011 10:12 PM		
Pyrene	ND	200	µg/L	20	3/15/2011 10:12 PM		
Surr: 1,2-Dichlorobenzene-d4	75.8	46-97	%REC	20	3/15/2011 10:12 PM		
Surr: 2,4,6-Tribromophenol	95.8	59-124	%REC	20	3/15/2011 10:12 PM		
Surr: 2-Chlorophenol-d4	59.6	49-93	%REC	20	3/15/2011 10:12 PM		
Surr: 2-Fluorobiphenyl	65.0	57-107	%REC	20	3/15/2011 10:12 PM		

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation

Client Sample ID: MW-10

Lab Order: 116746

Collection Date: 3/4/2011

Project: SHHC Site

Matrix: GROUNDWATER

Lab ID: 116746-015C

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS**EPA 3510C****EPA 8270C**

RunID: MS_13_110315B	QC Batch: 71420	PrepDate: 3/10/2011	Analyst: JSD	
Surr: 2-Fluorophenol	33.6	27-60	%REC 20	3/15/2011 10:12 PM
Surr: 4-Terphenyl-d14	80.4	69-132	%REC 20	3/15/2011 10:12 PM
Surr: Nitrobenzene-d5	67.0	52-107	%REC 20	3/15/2011 10:12 PM
Surr: Phenol-d5	21.8	15-60	%REC 20	3/15/2011 10:12 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	11	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Fax: 562.989.4040

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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation **Client Sample ID:** MW-10
Lab Order: 116746 **Collection Date:** 3/4/2011
Project: SHHC Site **Matrix:** GROUNDWATER
Lab ID: 116746-015D

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3510C

EPA 8015B(M)

RunID: GC16_110311C	QC Batch: 71410	PrepDate: 3/9/2011	Analyst: MFR
DRO	4.9	0.20	mg/L
Surr: p-Terphenyl	84.3	36-126	%REC

Qualifiers:	B	Analyte detected in the associated Method Blank	B	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation **Client Sample ID:** MW-10
Lab Order: 116746 **Collection Date:** 3/4/2011
Project: SHHC Site **Matrix:** GROUNDWATER
Lab ID: 116746-0151

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
	EPA 3510C		EPA 8015B(M)			
RunID: GC16_110314C	QC Batch:	71451		PrepDate:	3/10/2011	Analyst: CBR
DRO	0.30	0.20		mg/L	1	3/15/2011 01:15 AM
Surrogate: p-Terphenyl	37.1	36-126		%REC	1	3/15/2011 01:15 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	B	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DD	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

Client: Testa Environmental Corporation
Lab Order: 116746
Project: SHIC Site
Lab ID: 116746-016A

Client Sample ID: MW-2
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_110309A	QC Batch:	AttVW046	PrepDate:	Analyst: SLL
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	3/9/2011 12:48 PM
1,1,1-Trichloroethane	ND	5.0	µg/L	3/9/2011 12:48 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/L	3/9/2011 12:48 PM
1,1,2-Trichloroethane	ND	5.0	µg/L	3/9/2011 12:48 PM
1,1-Dichloroethane	ND	5.0	µg/L	3/9/2011 12:48 PM
1,1-Dichloroethene	ND	5.0	µg/L	3/9/2011 12:48 PM
1,1-Dichloropropene	ND	5.0	µg/L	3/9/2011 12:48 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/L	3/9/2011 12:48 PM
1,2,3-Trichloropropane	ND	5.0	µg/L	3/9/2011 12:48 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/L	3/9/2011 12:48 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/L	3/9/2011 12:48 PM
1,2-Dibromo-3-chloropropane	ND	5.0	µg/L	3/9/2011 12:48 PM
1,2-Dibromoethane	ND	5.0	µg/L	3/9/2011 12:48 PM
1,2-Dichlorobenzene	ND	5.0	µg/L	3/9/2011 12:48 PM
1,2-Dichloroethane	ND	5.0	µg/L	3/9/2011 12:48 PM
1,2-Dichloropropane	ND	5.0	µg/L	3/9/2011 12:48 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/L	3/9/2011 12:48 PM
1,3-Dichlorobenzene	ND	5.0	µg/L	3/9/2011 12:48 PM
1,3-Dichloropropane	ND	5.0	µg/L	3/9/2011 12:48 PM
1,4-Dichlorobenzene	ND	5.0	µg/L	3/9/2011 12:48 PM
2,2-Dichloropropane	ND	5.0	µg/L	3/9/2011 12:48 PM
2-Chlorotoluene	ND	5.0	µg/L	3/9/2011 12:48 PM
4-Chlorotoluene	ND	5.0	µg/L	3/9/2011 12:48 PM
4-Isopropyltoluene	ND	5.0	µg/L	3/9/2011 12:48 PM
Benzene	ND	5.0	µg/L	3/9/2011 12:48 PM
Bromobenzene	ND	5.0	µg/L	3/9/2011 12:48 PM
Bromodichloromethane	ND	5.0	µg/L	3/9/2011 12:48 PM
Bromoform	ND	5.0	µg/L	3/9/2011 12:48 PM
Bromomethane	ND	5.0	µg/L	3/9/2011 12:48 PM
Carbon tetrachloride	ND	5.0	µg/L	3/9/2011 12:48 PM
Chlorobenzene	ND	5.0	µg/L	3/9/2011 12:48 PM
Chloroethane	ND	5.0	µg/L	3/9/2011 12:48 PM
Chloroform	ND	5.0	µg/L	3/9/2011 12:48 PM
Chloromethane	ND	5.0	µg/L	3/9/2011 12:48 PM
cis-1,2-Dichloroethene	ND	5.0	µg/L	3/9/2011 12:48 PM

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out

E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-016A

Client Sample ID: MW-2
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_110309A	QC Batch: A11VW046	PrepDate:	Analyst: SLL		
cis-1,3-Dichloropropene	ND	5.0	µg/L	1	3/9/2011 12:48 PM
Di-isopropyl ether	ND	5.0	µg/L	1	3/9/2011 12:48 PM
Dibromochloromethane	ND	5.0	µg/L	1	3/9/2011 12:48 PM
Dibromomethane	ND	5.0	µg/L	1	3/9/2011 12:48 PM
Dichlorodifluoromethane	ND	5.0	µg/L	1	3/9/2011 12:48 PM
Ethyl tert-butyl ether	ND	5.0	µg/L	1	3/9/2011 12:48 PM
Ethylbenzene	ND	5.0	µg/L	1	3/9/2011 12:48 PM
Hexachlorobutadiene	ND	5.0	µg/L	1	3/9/2011 12:48 PM
Isopropylbenzene	ND	5.0	µg/L	1	3/9/2011 12:48 PM
m,p-Xylene	ND	10	µg/L	1	3/9/2011 12:48 PM
Methylene chloride	ND	5.0	µg/L	1	3/9/2011 12:48 PM
MTBE	ND	5.0	µg/L	1	3/9/2011 12:48 PM
n-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 12:48 PM
n-Propylbenzene	ND	5.0	µg/L	1	3/9/2011 12:48 PM
Naphthalene	ND	5.0	µg/L	1	3/9/2011 12:48 PM
o-Xylene	ND	5.0	µg/L	1	3/9/2011 12:48 PM
sec-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 12:48 PM
Styrene	ND	5.0	µg/L	1	3/9/2011 12:48 PM
Tert-amyl methyl ether	ND	5.0	µg/L	1	3/9/2011 12:48 PM
Tert-Butanol	ND	100	µg/L	1	3/9/2011 12:48 PM
tert-Butylbenzene	ND	5.0	µg/L	1	3/9/2011 12:48 PM
Tetrachloroethene	ND	5.0	µg/L	1	3/9/2011 12:48 PM
Toluene	ND	5.0	µg/L	1	3/9/2011 12:48 PM
trans-1,2-Dichloroethene	ND	5.0	µg/L	1	3/9/2011 12:48 PM
Trichloroethene	ND	5.0	µg/L	1	3/9/2011 12:48 PM
Trichlorofluoromethane	ND	5.0	µg/L	1	3/9/2011 12:48 PM
Vinyl chloride	ND	5.0	µg/L	1	3/9/2011 12:48 PM
Surr: 1,2-Dichloroethane-d4	94.9	70-130	%REC	1	3/9/2011 12:48 PM
Surr: 4-Bromofluorobenzene	112	70-130	%REC	1	3/9/2011 12:48 PM
Surr: Dibromofluoromethane	90.2	70-130	%REC	1	3/9/2011 12:48 PM
Surr: Toluene-d8	100	70-130	%REC	1	3/9/2011 12:48 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation **Client Sample ID:** MW-2
Lab Order: 116746 **Collection Date:** 3/4/2011
Project: SHHC Site **Matrix:** GROUNDWATER
Lab ID: 116746-016B

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC19_110309A	QC Batch: M11VW049	PrepDate:	Analyst: DDL
GR0	ND	0.20	mg/L
Surr: Bromofluorobenzene (FID)	97.0	70-130	%REC

3/9/2011 06:37 PM
3/9/2011 06:37 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	R	Value above quantitation range
IT	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spikes/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DC	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation
Lab Order: 116746
Project: SHHC Site
Lab ID: 116746-016C

Client Sample ID: MW-2
Collection Date: 3/4/2011
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID: MS 13_110315B	QC Batch: 71420	PrepDate: 3/10/2011	Analyst: JSD
1,2,4-Trichlorobenzene	ND	10	µg/L
1,2-Dichlorobenzene	ND	10	µg/L
1,3-Dichlorobenzene	ND	10	µg/L
1,4-Dichlorobenzene	ND	10	µg/L
2,4,5-Trichlorophenol	ND	10	µg/L
2,4,6-Trichlorophenol	ND	10	µg/L
2,4-Dichlorophenol	ND	10	µg/L
2,4-Dimethylphenol	ND	10	µg/L
2,4-Dinitrophenol	ND	50	µg/L
2,4-Dinitrotoluene	ND	10	µg/L
2,6-Dinitrotoluene	ND	10	µg/L
2-Chloronaphthalene	ND	10	µg/L
2-Chlorophenol	ND	10	µg/L
2-Methylnaphthalene	ND	10	µg/L
2-Methylphenol	ND	50	µg/L
2-Nitroaniline	ND	50	µg/L
2-Nitrophenol	ND	10	µg/L
3,3'-Dichlorobenzidine	ND	20	µg/L
3-Nitroaniline	ND	50	µg/L
4,6-Dinitro-2-methylphenol	ND	50	µg/L
4-Bromophenyl-phenylether	ND	10	µg/L
4-Chloro-3-methylphenol	ND	50	µg/L
4-Chloroaniline	ND	20	µg/L
4-Chlorophenyl-phenylether	ND	10	µg/L
4-Methylphenol	ND	10	µg/L
4-Nitroaniline	ND	20	µg/L
4-Nitrophenol	ND	50	µg/L
Acenaphthene	ND	10	µg/L
Acenaphthylene	ND	10	µg/L
Anthracene	ND	10	µg/L
Benzidine (M)	ND	50	µg/L
Benzo(a)anthracene	ND	10	µg/L
Benzo(a)pyrene	ND	10	µg/L
Benzo(b)fluoranthene	ND	10	µg/L
Benzo(g,h,i)perylene	ND	10	µg/L

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation **Client Sample ID:** MW-2
Lab Order: 116746 **Collection Date:** 3/4/2011
Project: SHHC Site **Matrix:** GROUNDWATER
Lab ID: 116746-016C

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C			EPA 8270C			
RunID: MS 13_110215B	QC Batch: 71420			PrepDate: 3/10/2011	Analyst: JSD	
Benz(a)fluoranthene	ND	10		µg/L	1	3/15/2011 10:41 PM
Benzoic acid	ND	50		µg/L	1	3/15/2011 10:41 PM
Benzyl alcohol	ND	20		µg/L	1	3/15/2011 10:41 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	3/15/2011 10:41 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	3/15/2011 10:41 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	3/15/2011 10:41 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	3/15/2011 10:41 PM
Butylbenzylphthalate	ND	10		µg/L	1	3/15/2011 10:41 PM
Chrysene	ND	10		µg/L	1	3/15/2011 10:41 PM
Di-n-butylphthalate	ND	10		µg/L	1	3/15/2011 10:41 PM
Di-n-octylphthalate	ND	10		µg/L	1	3/15/2011 10:41 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	3/15/2011 10:41 PM
Dibenzofuran	ND	10		µg/L	1	3/15/2011 10:41 PM
Diethylphthalate	ND	10		µg/L	1	3/15/2011 10:41 PM
Dimethylphthalate	ND	10		µg/L	1	3/15/2011 10:41 PM
Fluoranthene	ND	10		µg/L	1	3/15/2011 10:41 PM
Fluorene	ND	10		µg/L	1	3/15/2011 10:41 PM
Hexachlorobenzene	ND	10		µg/L	1	3/15/2011 10:41 PM
Hexachlorobutadiene	ND	20		µg/L	1	3/15/2011 10:41 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	3/15/2011 10:41 PM
Hexachlorohexane	ND	10		µg/L	1	3/15/2011 10:41 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	3/15/2011 10:41 PM
Isophorone	ND	10		µg/L	1	3/15/2011 10:41 PM
N-Nitrosodis-n-propylamine	ND	10		µg/L	1	3/15/2011 10:41 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	3/15/2011 10:41 PM
Naphthalene	ND	10		µg/L	1	3/15/2011 10:41 PM
Nitrobenzene	ND	10		µg/L	1	3/15/2011 10:41 PM
Pentachlorophenol	ND	50		µg/L	1	3/15/2011 10:41 PM
Phenanthrene	ND	10		µg/L	1	3/15/2011 10:41 PM
Phenol	ND	10		µg/L	1	3/15/2011 10:41 PM
Pyrene	ND	10		µg/L	1	3/15/2011 10:41 PM
Surr: 1,2-Dichlorobenzene-d4	74.3	46-97		%REC	1	3/15/2011 10:41 PM
Surr: 2,4,6-Tribromophenol	96.9	59-124		%REC	1	3/15/2011 10:41 PM
Surr: 2-Chlorophenol-d4	62.9	49-93		%REC	1	3/15/2011 10:41 PM
Surr: 2-Fluorobiphenyl	81.0	57-107		%REC	1	3/15/2011 10:41 PM

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference
 DD Surrogate Diluted Out

E Value above quantitation range
 ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation **Client Sample ID:** MW-2
Lab Order: 116746 **Collection Date:** 3/4/2011
Project: S011C Site **Matrix:** GROUNDWATER
Lab ID: 116746-016C

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS 13_110315B	GC Batch:	71420	PrepDate:	3/10/2011	Analyst:	JSD
Surr: 2-Fluorophenol	36.0	27-60	%REC	1	3/15/2011 10:41 PM		
Surr: 4-Terphenyl-d14	64.0	69-132	%REC	1	3/15/2011 10:41 PM		
Surr: Nitrobenzene-d5	75.4	52-107	%REC	1	3/15/2011 10:41 PM		
Surr: Phenol-d5	25.7	15-50	%REC	1	3/15/2011 10:41 PM		

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	11	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DD	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation **Client Sample ID:** MW-2
Lab Order: 116746 **Collection Date:** 3/4/2011
Project: SHHC Site **Matrix:** GROUNDWATER
Lab ID: 116746-016D

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C		EPA 8015B(M)			
RunID: GC16_110311C	QC Batch: 71410				PropDate: 3/9/2011	Analyst: MFR
DrO	ND	0.20		mg/L	1	3/11/2011 02:55 PM
Sum: p-Terphenyl	76.9	30-126		%REC	1	3/11/2011 02:55 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 16-Mar-11

CLIENT: Testa Environmental Corporation **Client Sample ID:** MW-2
Lab Order: 116746 **Collection Date:** 3/4/2011
Project: SHHC Site **Matrix:** GROUNDWATER
Lab ID: 116746-01615

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SILICA GEL CLEANUP DRO BY GC-FID						
	EPA 3510C		EPA 8015B(M)			
RunID: GC16_110314C	QC Batch: 71451			PrepDate: 3/10/2011	Analyst: CBR	
DRO	ND	0.20		mg/L	1	3/15/2011 12:38 AM
Surf: p-Torphenyl	63.2	36-126		%REC	1	3/15/2011 12:38 AM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Detected Out



Advanced Technology
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3275 Walnut Avenue, Signal Hill, CA 90755

Tel: 562.989.4045

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CLIENT: Testa Environmental Corporation

Work Order: 116746

Project: SHHC Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID	MB-71410	Sample Type:	MBLK	Test Code:	8015_W_DSL	Units:	mg/L	Prep Date:	3/9/2011	Run No:	130963			
Client ID:	PBW	Batch ID:	71410	Test No:	EPA 8015B(M)	EPA 3510C		Analysis Date:	3/11/2011	Seq No:	2131785			
Analyte		Result:		PQL	SPK value	SPK Ref Val		%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

DRO

Sur: p-Terphenyl

ND

0.059

0.05000

73.6

36

126

Sample ID	LCS-71410	Sample Type:	LCS	TestCode:	8015_W_DSL	Units:	mg/L	Prep Date:	3/9/2011	RunNo:	130963			
Client ID:	LCSW	Batch ID:	71410	TestNo:	EPA 8015B(M)	EPA 3510C		Analysis Date:	3/11/2011	SeqNo:	2131787			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO

Sur: p-Terphenyl

0.584

0.057

1.000

0.05000

58.4

36

126

Sample ID: MB-71410MS	Sample Type: MS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 3/9/2011	RunNo: 130963						
Client ID: ZZZZZZ	Batch ID: 71410	TestNo: EPA 8015B(M)	EPA 3510C	Analysis Date: 3/11/2011	SeqNo: 2131788						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO

Sur: p-Terphenyl

0.577

0.065

1.000

0.05000

57.7

35

126

Sample ID	MB-71410MSD	Sample Type	MSD	TestCode	8015_W_DSL	Units	mg/L	Prep Date	3/9/2011	RunNo	130963			
Client ID	ZZZZZZ	Batch ID	71410	TestNo	EPA 8015B(M)	EPA 3510C		Analysis Date	3/11/2011	SeqNo	2131789			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO

Sur: p-Terphenyl

0.534

0.056

1.000

0.05000

53.4

36

126

0.5768

7.70

20

0

0

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above manufacturer range
- R RPD outside accepted recovery limits

Calculations are based on raw values

- H Holding time for preparation or analysis exceeded
- S Spikes/arrogate outside of limits due to matrix interference



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CLIENT: Testa Environmental Corporation
 Work Order: 116746
 Project: SHHC Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL HSGT

Sample ID	MB-71451	Sample Type:	MBLK	Test Code:	8015_W_DSL	Units:	mg/L	Prep Date:	3/10/2011	RunNo:	131046		
Client ID:	PSW	Batch ID:	71451	TestNo:	EPA 8015B(M)	EPA 3510C		Analysis Date:	3/14/2011	SeqNo:	2133328		
Analyte		Result:		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID	LCS-71451	SampleType:	LCS	TestCode:	8015_W_DSL	Units:	mg/L	Prep Date:	3/10/2011	RunNo:	131046		
Client ID:	LCSW	Batch ID:	71451	TestNo:	EPA 8015B(M)	EPA 3510C		Analysis Date:	3/15/2011	SeqNo:	2133366		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID	MB-71451MS	SampleType:	MS	TestCode:	8015_W_DSL	Units:	mg/L	Prep Date:	3/10/2011	RunNo:	131046		
Client ID:	ZZZZZZ	Batch ID:	71451	TestNo:	EPA 8015B(M)	EPA 3510C		Analysis Date:	3/15/2011	SeqNo:	2133369		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
				</									

Sample ID	MB-71451MSD	Sample Type:	MSD	Test Code:	8015_W_DSL	Units:	mg/L	Prep Date:	3/10/2011	Run No:	131046		
Client ID:	ZZZZZZ	Batch ID:	71451	Test No:	EPA 8015B(M)	EPA 3510C		Analysis Date:	3/15/2011	Seq No:	2133370		
Analyte		Result:		PQL	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DD Surrogate Diluted Out
- F Value above quantitation range
- R RPD outside accepted recovery limits

Calculations are based on raw values

- 31 Holding times for preparation or analysis exceeded
- 5 Spikes/Samples outside of limits due to matrix interference



Advanced Technology Laboratories
 3275 Bland Avenue, Signal Hill, CA 90755 Tel: 562.989.4645 Fax: 562.989.4646

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

CLIENT: Testa Environmental Corporation
 Work Order: 116746
 Project: SHHC Site

Sample ID	M110309LCS2	Sample Type:	LCS	TestCode:	8015_W_G_P	Units:	mg/L	Prep Date:	RunNo:	130855	
Client ID:	LCSW	Batch ID:	M11VW049	TestNo:	EPA 8015B(M)			Analysis Date:	SeqNo:	2129695	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	1.075	0.20	1.000	0	100	70	130				
Surf: Bromofluorobenzene (FID)	104.626		100.0		100	70	130				

Sample ID	M110309MS1MS	Sample Type:	MS	Test Code:	8015_W_G_P	Units:	mg/L	Prep Date:	RunNo: 130855				
Client ID:	ZZZZZZ	Batch ID:	M11VW049	TestNo:	EPA 8015B(M)			Analysis Date:	3/9/2011	SeqNo: 2129696			
Analyte		Result:		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPO RefVal	%RPD	RPDLimit	Qual

GRO	1.026	0.20	1.000	0	100	70	130				
Surf: Bromofluorobenzene (FID)	101.509		100.0		100	70	130				

Sample ID	M110309MS1MSD	SampleType:	MSD	TestCode:	8015_W_G_P	Units:	mg/L	Prep Date:	RunNo:	130855			
Client ID:	ZZZZZZ	Batch ID:	M11VW049	TestNo:	EPA 8015B(M)			Analysis Date:	SeqNo:	2129697			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	1.029	0.20	1.000	0	100	70	130	1.026	0.292	20	
Surf: Bromofluorobenzene (FID)	102.706		100.0		100	70	130		0	0	

Sample ID: M110309MB1	Sample Type: MBLK	TestCode: 8015_W_G_P	Units: mg/L	Prep Date:	RunNo: 130855						
Client ID: PBW	Batch ID: M11VW049	TestNo: EPA 8015B(M)		Analysis Date: 3/9/2011	SeqNo: 2129698						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	ND	0.20									
Surf: Bromofluorobenzene (FID)	97.686		100.0		97.7	70	130				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- NO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of linear due to matrix interference
- C Calculations are based on raw values



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133 of 150

ANALYTICAL QC SUMMARY REPORT

CLIENT: Testa Environmental Corporation
 Work Order: 116746
 Project: SRIHC Site

TestCode: 8260_WP

Sample ID: A110309LCS1	Sample Type: LCS	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 130868
Client ID: LCSW	Batch ID: A11VW046	TestNo: EPA 8260B		Analysis Date: 3/9/2011	SeqNo: 2129946

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	21.850	5.0	20.00	0	105	70	130				
Benzene	43.860	5.0	40.00	0	109	70	130				
Chlorobenzene	21.870	5.0	20.00	0	109	70	130				
MTBE	23.670	5.0	20.00	0	118	70	130				
Toluene	44.980	5.0	40.00	0	112	70	130				
Trichloroethene	21.030	5.0	20.00	0	105	70	130				
Surf: 1,2-Dichloroethane-d4	24.220		25.00		96.9	70	130				
Surf: 4-Bromofluorobenzene	28.850		25.00		115	70	130				
Surf: Dibromofluoromethane	23.260		25.00		93.0	70	130				
Surf: Toluene-d8	26.940		25.00		108	70	130				

Sample ID: A110309MB2MS	Sample Type: MS	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 130868
Client ID: ZZZZZZ	Batch ID: A11VW046	TestNo: EPA 8260B		Analysis Date: 3/9/2011	SeqNo: 2129947

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	18.430	5.0	20.00	0	92.2	70	130				
Benzene	42.210	5.0	40.00	0	106	70	130				
Chlorobenzene	21.270	5.0	20.00	0	106	70	130				
MTBE	23.500	5.0	20.00	0	116	70	130				
Toluene	43.010	5.0	40.00	0	105	70	130				
Trichloroethene	19.850	5.0	20.00	0	99.2	70	130				
Surf: 1,2-Dichloroethane-d4	24.290		25.00		97.2	70	130				
Surf: 4-Bromofluorobenzene	28.840		25.00		115	70	130				
Surf: Dibromofluoromethane	23.530		25.00		94.1	70	130				
Surf: Toluene-d8	27.150		25.00		109	70	130				

Sample ID: A110309MB2MSD	Sample Type: MSD	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 130868
Client ID: ZZZZZZ	Batch ID: A11VW046	TestNo: EPA 8260B		Analysis Date: 3/9/2011	SeqNo: 2129948

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- 0 Value above quantitation range
- R RPD outside accepted recovery limits
- 5 Spikes/Surrogate outside of limits due to matrix interference
- 51 Holding times for preparation or analysis exceeded

ANALYTICAL QC SUMMARY REPORT

CLIENT: Testa Environmental Corporation

Work Order: 116746

Project: STHC Site

TestCode: 8260_WP

Sample ID	A110309MB2MSD	SampleType: MSD	TestCode: 8260_WP	Units: µg/L	Prop Date:	RunNo: 130868					
Client ID:	ZZZZZZ	Batch ID: A11VW046	TestNo: EPA 8260S		Analysis Date: 3/9/2011	SeqNo: 2129948					
Analyte	Result	PQL	SPX value	SPK Ref Val	%REC	LowLimit	HighLimit	RPO Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	19.390	5.0	20.00	0	97.0	70	130	18.43	5.06	20	20
Benzene	42.240	5.0	40.00	0	106	70	130	42.31	0.070	20	20
Chlorobenzene	21.180	5.0	20.00	0	106	70	130	21.27	0.424	20	20
MIBK	23.530	5.0	20.00	0	118	70	130	23.50	0.128	20	20
Toluene	43.130	5.0	40.00	0	108	70	130	43.01	0.279	20	20
Trichloroethene	20.150	5.0	20.00	0	101	70	130	19.85	1.50	20	20
Surf: 1,2-Dichloroethane-d4	24.320		25.00		97.3	70	130		0	0	0
Surf: 4-Bromofluorobenzene	29.150		25.00		117	70	130		0	0	0
Surf: Dibromofluoromethane	23.680		25.00		94.7	70	130		0	0	0
Surf: Toluene-d8	27.350		25.00		109	70	130		0	0	0

Sample ID	A110309MB2	SampleType:	MBLK	TestCode:	8260_WP	Units:	µg/L	Prop Date:		RunNo:	130868		
Client ID:	PBW	Batch ID:	A11VW046	TestNo:	EPA 8260B			Analysis Date:	3/9/2011	SeqNo:	2129949		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND		5.0									
1,1,1-Trichloroethane		ND		5.0									
1,1,2,2-Tetrachloroethane		ND		5.0									
1,1,2-Trichloroethane		ND		5.0									
1,1-Dichloroethane		ND		5.0									
1,1-Dichloroethene		ND		5.0									
1,1-Dichloropropene		ND		5.0									
1,2,3-Trichlorobenzene		ND		5.0									
1,2,3-Trichloropropane		ND		5.0									
1,2,4-Trichlorobenzene		ND		5.0									
1,2,4-Trimethylbenzene		ND		5.0									
1,2-Dibromo-3-chloropropane		ND		5.0									
1,2-Dibromomethane		ND		5.0									
1,2-Dichlorobenzene		ND		5.0									
1,2-Dichloroethane		ND		5.0									

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- LO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values

- FE Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference



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CLIENT: Testa Environmental Corporation
 Work Order: 116746
 Project: SHHC Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID A110309MB2	SampleType: MBLK	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 130888						
Client ID: PBW	Batch ID: A11VW046	TestNo: EPA 8260B		Analysis Date: 3/9/2011	SeqNo: 2129949						
Analyte	Result:	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Chlorotoluene	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Isopropyltoluene	ND	5.0								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Di-isopropyl ether	ND	5.0								
Dibromochloromethane	ND	5.0								
Dibromomethane	ND	5.0								
Dichlorodifluoromethane	ND	5.0								
Ethyl tert-butyl ether	ND	5.0								
Ethylbenzene	ND	5.0								
Hexachlorobutadiene	ND	5.0								
Isopropylbenzene	ND	5.0								
m,p-Xylene	ND	10								

Qualifiers:

- A Analyte detected in the signed Method Blank
- ND Not Detected at the Reporting Limit
- LO Surrogate Diluted Out
- E Value above quantization range
- R RPD outside accepted recovery limits
- Calculateds are based on raw values
- F1 Exceeding limit for concentration or analysis exceeded
- S Spike/Negative outside of limits due to matrix interference



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CLIENT: Testa Environmental Corporation
 Work Order: 116746
 Project: SHHC Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: A110309MB2	SampleType: MBLK	TestCode: 8260_WP	Units: pg/L	Prep Date:	RunNo: 130568						
Client ID: PBW	Batch ID: A11VW046	TestNo: EPA 8260B		Analysis Date: 3/9/2011	SeqNo: 2129949						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-44	24.180		25.00		96.7	70		130			
Surr: 4-Bromofluorobenzene	27.400		25.00		110	70		130			
Surr: Dibromofluoromethane	24.870		25.00		98.7	70		130			
Surr: Toluene-d8	27.060		25.00		108	70		130			

Qualifiers:

B Analyte detected in the associated Method Blank
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out
 E Value above quantitation range
 R RPD outside accepted recovery limits
 Calculations are based on raw values

H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference



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137 of 150

ANALYTICAL QC SUMMARY REPORT

CLIENT: Testa Environmental Corporation
 Work Order: 116746
 Project: SHHC Site

TestCode: 8260_WP

Sample ID: Q110309LCS2	SampleType: LCS	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 130863
Client ID: LCSW	Batch ID: Q11VW024	TestNo: EPA 8260B		Analysis Date: 3/9/2011	SeqNo: 2129695

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.190	5.0	20.00	0	65.0	70	130				
Benzene	39.470	5.0	40.00	0	98.7	70	130				
Chlorobenzene	28.460	5.0	20.00	0	102	70	130				
MTBE	21.350	5.0	20.00	0	105	70	130				
Toluene	40.390	5.0	40.00	0	101	70	130				
Trichloroethene	20.020	5.0	20.00	0	100	70	130				
Surr: 1,2-Dichloroethane-d4	21.040		25.00		84.3	70	130				
Surr: 4-Bromofluorobenzene	25.930		25.00		104	70	130				
Surr: Dibromofluoromethane	22.020		25.00		88.1	70	130				
Surr: Toluene-d8	22.610		25.00		90.6	70	130				

Sample ID: Q110309MB4	SampleType: MBLK	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 130863
Client ID: PBW	Batch ID: Q11VW024	TestNo: EPA 8260B		Analysis Date: 3/9/2011	SeqNo: 2129695

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethene	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromochloroethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- 0 Value above quantitation range
- R RPD outside analytical recovery limits
- 21 Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference



1275 Blount Avenue, Signal Hill, CA 90755 Tel: 562-982-4943 Fax: 562-982-4946

ANALYTICAL QC SUMMARY REPORT

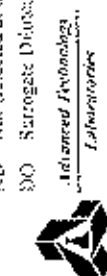
CLIENT: Testa Environmental Corporation
 Work Order: 116746
 Project: SHHC Site

TestCode: 8260_WP

Sample ID	Q110308MB4	Sample Type	MBLK	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 130863					
Client ID:	PBW	Batch ID: Q11VW024	TestNo: EPA 8260B	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,2-Dichloropropane	ND	5.0										
1,3,5-Trimethylbenzene	ND	5.0										
1,3-Dichlorobenzene	ND	5.0										
1,3-Dichloropropane	ND	5.0										
1,4-Dichlorobenzene	ND	5.0										
2,2-Dichloropropane	ND	5.0										
2-Chlorotoluene	ND	5.0										
4-Chlorotoluene	ND	5.0										
4-Isopropyltoluene	ND	5.0										
Benzene	ND	5.0										
Bromobenzene	ND	5.0										
Bromodichloromethane	ND	5.0										
Bromoform	ND	5.0										
Bromomethane	ND	5.0										
Carbon tetrachloride	ND	5.0										
Chlorobenzene	ND	5.0										
Chloroethane	ND	5.0										
Chloroform	ND	5.0										
Chloromethane	ND	5.0										
cis-1,2-Dichloroethene	ND	5.0										
cis-1,3-Dichloropropene	ND	5.0										
Diisopropyl ether	ND	5.0										
Dibromochloromethane	ND	5.0										
Dibromomethane	ND	5.0										
Dichlorodifluoromethane	ND	5.0										
Ethyl tert-butyl ether	ND	5.0										
Ethylbenzene	ND	5.0										
Hexachlorobutadiene	ND	5.0										
Isopropylbenzene	ND	5.0										
m,p-Xylene	ND	10										

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference



2075 Walnut Avenue, Napa, CA 94558 Tel: 562.979.4045 Fax: 562.979.4040

139 of 150

CLIENT: Testa Environmental Corporation
 Work Order: 116746
 Project: SHHC Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: Q110309MB4	SampleType: MBLK	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 130863						
Client ID: PBW	Batch ID: Q11VW024	TestNo: EPA 8260B		Analysis Date: 3/9/2011	SeqNo: 2128896						
Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual

Methylene chloride	ND	5.0									
MIBK	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	100									
Tert-Butanol	ND	5.0									
Tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	22.520		25.00		91.3	70	130				
Surr: 4-Bromofluorobenzene	26.970		25.00		108	70	130				
Surr: Dibromofluoromethane	22.570		25.00		90.3	70	130				
Surr: Toluene-d8	22.520		25.00		90.1	70	130				

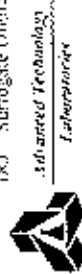
Sample ID	Q110309MB4MS	Sample Type	MS	Test Code	8260_WP	Units	µg/L	Prep Date	RunNo: 130863				
Client ID	ZZZZZZ	Batch ID	Q11VW024	Test No	EPA 8260B			Analysis Date	3/10/2011				
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPQLimit	Qual

1,1-Dichloroethane	16.680	5.0	20.00	0	83.4	70	130				
Benzene	39.900	5.0	40.00	0	99.8	70	130				
Chlorobenzene	20.860	5.0	20.00	0	104	70	130				
MIBK	21.910	5.0	20.00	0	110	70	130				

Qualifiers:

- B Analyte detected in the associated Method Blank
 - ND Not Detected at the Reporting Limit
 - TX Surrogate Diluted Car
 - E Value above quantitation range
 - R RPD outside accepted recovery limits
- Calculations are based on raw values

H Holding time for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference



3275 Wagmont Avenue, Signal Hill, CA 90755 Tel: 562 899-4945 Fax: 562 899-4949

140 of 150

ANALYTICAL QC SUMMARY REPORT

CLIENT: Testa Environmental Corporation
 Work Order: 116746
 Project: SHRC Site

TestCode: 8260_WP

Sample ID: Q110309MB4MS	Sample Type: MS	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 130863
Client ID: ZZZZZZ	Batch ID: Q11VW024	TestNo: EPA 8260B		Analysis Date: 3/10/2011	SeqNo: 2129896

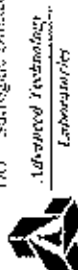
Analyte	Result	POL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPO Ref Val	%RPO	RPDLimit	Qual
Toluene	48.590	5.0	40.00	0	102	70	130				
Trichloroethene	19.570	5.0	20.00	0	96.4	70	130				
Surr: 1,2-Dichloroethane-d4	21.760		25.00		86.8	70	130				
Surr: 4-Bromofluorobenzene	27.030		25.00		106	70	130				
Surr: Dibromofluoromethane	22.030		25.00		88.1	70	130				
Surr: Toluene-d8	26.120		25.00		92.5	70	130				

Sample ID: Q110309MB4MSD	Sample Type: MSD	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 130863
Client ID: ZZZZZZ	Batch ID: Q11VW024	TestNo: EPA 8260B		Analysis Date: 3/10/2011	SeqNo: 2129897

Analyte	Result	POL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPO Ref Val	%RPO	RPDLimit	Qual
1,1-Dichloroethene	18.920	5.0	20.00	0	94.5	70	130	16.68	12.5	20	
Benzene	35.310	5.0	40.00	0	88.3	70	130	38.50	1.49	20	
Chlorobenzene	20.360	5.0	20.00	0	102	70	130	20.89	2.57	20	
MTBE	18.680	5.0	20.00	0	93.4	70	130	21.91	15.9	20	
Toluene	40.510	5.0	40.00	0	102	70	130	40.65	0.938	20	
Trichloroethene	19.980	5.0	20.00	0	99.9	70	130	10.67	1.56	20	
Surr: 1,2-Dichloroethane-d4	20.960		25.00		83.9	70	130		0	0	
Surr: 4-Bromofluorobenzene	25.990		25.00		104	70	130		0	0	
Surr: Dibromofluoromethane	20.790		25.00		83.2	70	130		0	0	
Surr: Toluene-d8	22.320		25.00		89.3	70	130		0	0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- NE Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- S Spikes/Surrogate outside of limits due to matrix interference



2125 Bluffton Avenue, Signal Hill, CA 90753 Tel: 562.890.4945 Fax: 562.890.4949

141 of 150

CLIENT: Testa Environmental Corporation
 Work Order: 116746
 Project: SARC Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID	Q110310LCS1	Sample Type: LCS	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 130926					
Client ID: LCSW		Batch ID: Q11VW025	TestNo: EPA 8260B		Analysis Date: 3/10/2011	SeqNo: 2131083					
Analyte	Result:	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	18.270	5.0	20.00	0	91.4	70	130				
Benzene	29.100	5.0	40.00	0	97.8	70	130				
Chlorobenzene	20.320	5.0	20.00	0	102	70	130				
MTBE	21.720	5.0	20.00	0	109	70	130				
Toluene	39.070	5.0	40.00	0	99.9	70	130				
Trichloroethene	19.620	5.0	20.00	0	98.1	70	130				
Surf: 1,2-Dichloroethane-d4	21.020		25.00		84.1	70	130				
Surf: 4-Bromofluorobenzene	25.530		25.00		103	70	130				
Surf: Dibromofluoromethane	21.540		25.00		86.8	70	130				
Surf: Toluene-d8	22.590		25.00		90.4	70	130				

Sample ID	Q110310MB2M3	Sample Type: MS	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 130926					
Client ID:	ZZZZZZ	Batch ID: Q11VW025	TestNo: EPA 8260B		Analysis Date: 3/10/2011	SeqNo: 2131084					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.400	5.0	20.00	0	87.0	70	130				
Benzene	39.000	5.0	40.00	0	97.7	70	130				
Chlorobenzene	20.450	5.0	20.00	0	102	70	130				
MTBE	22.110	5.0	20.00	0	111	70	130				
Toluene	39.780	5.0	40.00	0	99.4	70	130				
Trichloroethene	19.110	5.0	20.00	0	95.6	70	130				
Surf: 1,2-Dichloroethane-d4	20.860		25.00		83.4	70	130				
Surf: 4-Bromofluorobenzene	25.420		25.00		102	70	130				
Surf: Dibromofluoromethane	21.240		25.00		85.0	70	130				
Surf: Toluene-d8	22.110		25.00		88.4	70	130				

Sample ID: Q110310MB2MSD	Sample Type: MSD	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 130926						
Client ID: ZZZZZZ	Batch ID: Q11VW025	TestNo: EPA 8260B		Analysis Date: 3/10/2011	SeqNo: 2131085						
Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- LO Surrogate Diluted Out
- E Value above quantitation range
- R RPD exceeds accepted recovery limits

Calculations are based on raw values.

If Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference



3255 Midway Avenue, Signal Hill, CA 90755 Tel: 562.959.2045 Fax: 562.999.2949

ANALYTICAL QC SUMMARY REPORT

CLIENT: Testa Environmental Corporation
 Work Order: 116746
 Project: SHHC Site

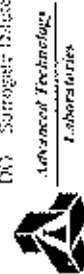
TestCode: 8260_WP

Sample ID: Q110310MB2MSD	Sample Type: MSD	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 130926						
Client ID: ZZZZZZ	Batch ID: Q11VW025	TestNo: EPA 8260B		Analysis Date: 3/10/2011	SeqNo: 2131085						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.450	5.0	20.00	0	87.2	70	130	17.40	0.287	20	
Benzene	38.740	5.0	40.00	0	96.9	70	130	39.09	0.899	20	
Chlorobenzene	20.270	5.0	20.00	0	101	70	130	20.45	0.854	20	
MTBE	21.860	5.0	20.00	0	109	70	130	22.11	1.14	20	
Toluene	39.670	5.0	40.00	0	99.2	70	130	39.78	0.277	20	
Trichloroethene	19.560	5.0	20.00	0	97.8	70	130	19.11	2.33	20	
Surf: 1,2-Dichloroethane-d4	21.080		25.00		84.3	70	130		0	0	
Surf: 4-Bromofluorobenzene	25.000		25.00		100	70	130		0	0	
Surf: Dibromodifluoromethane	21.270		25.00		85.1	70	130		0	0	
Surf: Toluene-d8	22.050		25.00		88.2	70	130		0	0	

Sample ID	Q110310MB2	SampleType:	MBLK	TestCode:	8260_WP	Units:	µg/L	Prep Date:	RunNo:	130926	
Client ID:	PBW	Batch ID:	Q11VW025	TestNo:	EPA 8260B			Analysis Date:	3/10/2011	SeqNo:	2131086
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropane	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DN Surrogate Diluted Out
- C Value above quantitation range
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference



3775 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4945 Fax: 562.989.4940

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

CLIENT: Testa Environmental Corporation
 Work Order: 116746
 Project: SHHC Site

Sample ID	Q140310MB2	SampleType: MBLK	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 130926					
Client ID:	PBW	Batch ID: Q11VW025	TestNo: EPA 8260B		Analysis Date: 3/10/2011	SeqNo: 2131086					
Analyte	Result	PQL	SPK value	SPX Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorobutane	ND	5.0									
4-Chlorobutane	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoforn	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									

Qualifiers:

B Analyte detected in the associated Method Blank
 ND Not Detected at the Reporting Limit
 PD Surrogate Dilution Out
 F Value above quantitation range
 R RPD out of acceptable recovery limits
 S Spike/Surrogate outside of limits due to matrix interference
 Calculations are based on raw values



Advanced Technology Laboratories
 2755 Walnut Avenue, Signal Hill, CA 90753
 Tel: 562.986.4945 Fax: 562.986.4946

CLIENT: Testa Environmental Corporation
Work Order: 116746
Project: SHIC Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID	Q110310MB2	Sample Type: MBLK	TestCode: 8260_WP	Units: µg/L	Prep Date:	RunNo: 130926					
Client ID:	PBW	Batch ID: Q11VW025	TestNo: EPA 8260B		Analysis Date: 3/10/2011	SeqNo: 2131086					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPD Limit	Qual
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-64	20.730		25.00		82.9	70		130			
Surr: 4-Bromofluorobenzene	24.930		25.00		99.7	70		130			
Surr: Dibromofluoromethane	21.070		25.00		84.3	70		130			
Surr: Toluene-68	21.570		25.00		86.5	70		130			

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- ND Surrogate Diluted On

- B Failing times for preparation or analysis exceeded
- S Spikes/Surrogate outside of limits due to matrix interference



Advanced Technology Laboratories
 3255 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4845 Fax: 562.989.9940

CLIENT: Tests Environmental Corporation
 Work Order: 116746
 Project: SHHC Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID	MB-71420	SampleType: MBLK	Batch ID: 71420	TestCode: 8270_W_FUL	Units: µg/L	Prep Date: 3/16/2011	RunNo: 131079			
Client to:	PBW			TestNo: EPA 8270C	EPA 3510C	Analysis Date: 3/15/2011	SeqNo: 2133861			
Analyte	Result	POI	SPK value	SPK Ref Val	%REC	LowLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10								
1,2-Dichlorobenzene	ND	10								
1,3-Dichlorobenzene	ND	10								
1,4-Dichlorobenzene	ND	10								
2,4,5-Trichlorophenol	ND	10								
2,4,5-Trichlorophenol	ND	10								
2,4-Dichlorophenol	ND	50								
2,4-Dimethylphenol	ND	50								
2,4-Dinitrophenol	ND	10								
2,4-Dinitrotoluene	ND	10								
2,6-Dinitrotoluene	ND	10								
2-Chloronaphthalene	ND	10								
2-Chlorophenol	ND	10								
2-Methylnaphthalene	ND	10								
2-Methylphenol	ND	50								
2-Nitroaniline	ND	10								
2-Nitrophenol	ND	20								
3,5'-Dichlorobenzidine	ND	50								
3-Nitroaniline	ND	50								
4,6-Dinitro-2-methylphenol	ND	10								
4-Bromophenyl-phenylether	ND	50								
4-Chloro-3-methylphenol	ND	20								
4-Chloroaniline	ND	10								
4-Chlorophenyl-phenylether	ND	10								
4-Methylphenol	ND	20								
4-Nitroaniline	ND	50								
4-Nitrophenol	ND	10								
Acenaphthene	ND	10								
Acenaphthylene	ND	10								
Anthracene	ND	10								

Qualifiers:

- B Analyte Detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- 11 Holding times for preparation or analysis exceeded
- S Spike/surrogate outside of limits due to matrix interference



3275 Wepart Avenue, Signal Hill, CA 90755 Tel: 562.900.4643 Fax: 562.900.4649

CLIENT: Testa Environmental Corporation

116746

TestCode: S270 W FULL

Sample ID	MBL71420	Sample Type	MBLK	Test Code: 8270_W_EUL	Units: µg/L	Prep Date: 3/10/2011	Run No: 131079
Client ID:	P8W	Batch ID: 71420	Result	YestNo: EPA 8270C	EPA 3510C	Analysis Date: 3/15/2011	SeqNo: 2133861
Analyte				PQL	SPK value	%REC LowLimit HighLimit RPD Ref Val	%RPD SPDLimit Qual
Benzidine (M)			ND	50			
Benz(a)anthracene			ND	10			
Benz(a)pyrene			ND	10			
Benz(b)fluoranthene			ND	10			
Benz(g,h,i)perylene			ND	10			
Benz(k)fluoranthene			ND	10			
Benzoic acid			ND	50			
Benzyl alcohol			ND	20			
Bis(2-chloroethoxy)methane			ND	10			
Bis(2-chloroethyl)ether			ND	10			
Bis(2-chloroisopropyl)ether			ND	10			
Bis(2-ethylhexyl)phthalate			ND	10			
Sulfolbenzylphthalate			ND	10			
Chrysene			ND	10			
Di-n-butylphthalate			ND	10			
Di-n-octylphthalate			ND	10			
Dibenz(a,h)anthracene			ND	10			
Dibenzofuran			ND	10			
Diethylphthalate			ND	10			
Dimethylphthalate			ND	10			
Fluoranthene			ND	10			
Fluorene			ND	10			
Hexachlorobenzene			ND	10			
Hexachlorobutadiene			ND	20			
Hexachlorocyclopentadiene			ND	10			
Hexachloroethane			ND	10			
Indeno(1,2,3-cd)pyrene			ND	10			
Isochlorane			ND	10			
N-Nitrosodi-n-propylamine			ND	10			
N-Nitrosodiphenylamine			ND	10			

Qualifiers:

It Arrive delayed in the associated Medical Bank

Not Detected in the Secretariat List

Do Surrogate-Drafted Or

1. The above question may be

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Waiting times for preparation of analyses exceeded

Stokes' Surrogate outside of limits due to matrix interference

ANALYTICAL QC SUMMARY REPORT

CLIENT: Testa Environmental Corporation
 Work Order: 116746
 Project: SHHC Site

TestCode: 8270_W_FULL

Sample ID: MB-71420	SampleType: MBLK	TestCode: 8270_W_FUL	Units: µg/L	Prep Date: 3/10/2011	RunNo: 131079						
Client ID: PBW	Batch ID: 71420	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 3/15/2011	SeqNo: 2133861						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Naphthalene 10

Nitrobenzene 10

Pentachlorophenol 50

Phenanthrene 10

Phenol 10

Pyrene 10

Surr: 1,2-Dichlorobenzene-d4 100.0

Surr: 2,4,6-Trichlorophenol 100.0

Surr: 2-Chlorophenol-d4 100.0

Surr: 2-Ethylphenol 100.0

Surr: 2-Fluorophenol 100.0

Surr: 4-Terphenyl-d14 100.0

Surr: Nitrobenzene-d5 100.0

Surr: Phenol-d5 100.0

63.6 46 97

86.5 59 124

58.5 49 93

73.5 57 107

35.4 27 60

84.7 59 132

65.4 52 107

27.8 15 50

Sample ID: MB-71420MS	Sample Type: MS	TestCode: 8270_W_FUL	Units: µg/L	Prep Date: 3/10/2011	RunNo: 131079						
Client ID: ZZZZZZ	Batch ID: 71420	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 3/15/2011	SeqNo: 2133968						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene 10

1,4-Dichlorobenzene 10

2,4-Dinitrotoluene 10

2-Chlorophenol 10

4-Chloro-3-methylphenol 50

4-Nitrophenol 50

Acenaphthene 10

N-Nitrosodipropylamine 10

Pentachlorophenol 50

Phenol 10

Pyrene 10

70.180 60 106

63.660 52 98

94.920 81 123

58.970 46 105

79.550 51 149

38.910 20 74

89.340 64 119

75.220 65 117

66.730 55 142

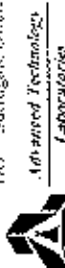
28.500 28.5 52

98.500 99.5 120

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Official On
- E Value above quantitation range
- R RPD outside accepted recovery limits
- S Spike Surrogate outside of limits due to matrix interference

Calculations are based on raw values



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148 of 150

ANALYTICAL QC SUMMARY REPORT

CLIENT: Testa Environmental Corporation
 Work Order: 116746
 Project: SHHC Site

TestCode: 8270_W_FULL

Sample ID MB-71420MS	SampleType: MS	TestCode: 8270_W_FUL	Units: µg/L	Prep Date: 3/10/2011	RunNo: 131079						
Client ID: ZZZZZZ	Batch ID: 71420	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 3/15/2011	SeqNo: 2133958						
Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual

Surr: 1,2-Dichlorobenzene-d4	60.190		100.0		00.2	46	57				
Surr: 2,4,6-Trichlorophenol	92.240		100.0		92.2	59	124				
Surr: 2-Chlorophenol-d4	56.930		100.0		56.9	49	93				
Surr: 2-Fluorobiphenyl	70.810		100.0		70.8	57	107				
Surr: 2-Fluorophenol	34.060		100.0		34.1	27	60				
Surr: 4-Terphenyl-d14	95.130		100.0		95.1	59	132				
Surr: Nitrobenzene-d5	64.320		100.0		64.3	52	107				
Surr: Phenol-d5	27.140		100.0		27.1	15	50				

Sample ID	LCS-71420	Sample Type	LCS	TestCode	8270_W_FULL	Units	µg/L	Prep Date	3/10/2011	RunNo	131079
Client ID	LGSW	Batch ID	71420	TestNo	EPA 8270C	EPA	3510C	Analysis Date	3/15/2011	SeqNo	2133969
Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	75.970	10	100.0	0	76.0	60	106				
1,4-Dichlorobenzene	58.380	10	100.0	0	55.4	52	98				
2,4-Dinitrotoluene	100.800	10	100.0	0	101	81	123				
2-Chlorophenol	62.450	10	100.0	0	62.4	46	105				
4-Chloro-3-methylphenol	38.570	50	100.0	0	88.5	51	140				
4-Nitrophenol	45.160	50	100.0	0	45.2	29	74				
Acenaphthene	101.700	10	100.0	0	102	54	119				
N-Nitrosodi-n-propylamine	85.120	10	100.0	0	85.1	65	117				
Pentachlorophenol	82.730	50	100.0	0	82.7	55	142				
Phenol	31.510	10	100.0	0	31.5	18	52				
Pyrene	105.650	10	100.0	0	106	73	120				
Surr: 1,2-Dichlorobenzene-d4	64.550		100.0		64.5	46	97				
Surr: 2,4,6-Trichlorophenol	100.800		100.0		101	50	124				
Surr: 2-Chlorophenol-d4	62.540		100.0		62.5	49	93				
Surr: 2-Fluorobiphenyl	77.550		100.0		77.5	57	107				
Surr: 2-Fluorophenol	36.770		100.0		36.8	27	60				
Surr: 4-Terphenyl-d14	97.550		100.0		97.5	69	132				

Qualifiers: B Analyte detected in the associated Method Blank
 N/D Not Detected at the Reporting Limit
 300 Surrogate Diluted Out

E Value above quantitation range
 R RPD outside accepted recovery limits
 Calculations are based on raw values

H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Testa Environmental Corporation
 Work Order: 116746
 Project: SHHC Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID	LCS-71420	SampleType:	LCS	TestCode: 8270_W_FULL	Units: µg/L	Prep Date: 3/10/2011	RunNo: 131079				
Client ID:	LCSW	Batch ID:	71420	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 3/15/2011	SeqNo: 2133969				
Analyte	Result:	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sur: Nitrobenzene-d5
 Sur: Phenol-d5

69.590
 30.770

100.0
 100.0

99.6
 30.6

52
 15

107
 50

Sample ID	MS-71420MSD	SampleType	MSD	TestCode: 8270_W_FULL	Units: µg/L	Prep Date: 3/10/2011	RunNo: 131079				
Client ID:	ZZZZZZ	Batch ID:	71420	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 3/15/2011	SeqNo: 2133970				
Analyte	Result:	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene
 1,4-Dichlorobenzene
 2,4-Dinitrotoluene
 2-Chlorophenol
 4-Chloro-3-methylphenol
 4-Nitrophenol
 Acenaphthene
 N-Nitrosodi-n-propylamine
 Pentachlorophenol
 Phenol
 Pyrene
 Sur: 1,2-Dichlorobenzene-d4
 Sur: 2,4,6-Trichlorophenol
 Sur: 2-Chlorophenol-d6
 Sur: 2-Fluorobiphenyl
 Sur: 2-Fluorophenol
 Sur: 4-Terphenyl-d14
 Sur: Nitrobenzene-d5
 Sur: Phenol-d5

71.580
 67.000
 66.520
 59.590
 85.540
 39.740
 93.710
 80.980
 65.370
 30.550
 98.790
 52.150
 89.650
 60.310
 73.520
 34.890
 93.580
 65.440
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71.6
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 65.4
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 89.6
 60.3
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 34.9
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 85.4
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60
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106
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 93
 107
 60
 132
 107
 50

70.18
 63.66
 84.92
 50.97
 79.55
 38.91
 88.34
 75.22
 66.73
 28.50
 99.50
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1.88
 5.11
 1.67
 4.50
 7.13
 0
 4.77
 7.35
 2.06
 6.94
 0.716
 0
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Qualifiers

- A Analyte detected in the associated Method Blank
- ND Not Detected in the Reporting Limit
- IX Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- S Spikes/Surrogate outside of limits due to matrix interference



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$$\frac{1}{2} \frac{d}{dt} \left(\frac{1}{2} \frac{d}{dt} \right)$$
[illegible]

CHAIN OF CUSTODY RECORD

Page 2 of 2

FOR LABORATORY USE ONLY:		FOR LABORATORY USE ONLY:	
ADVANCED TECHNOLOGY LABORATORIES 5275 Walnut Ave., Signal Hill, CA 90755 Tel: (562) 989-4045 • Fax: (562) 989-4040	P.O. # _____ Quote # _____ Date _____ Logged By _____ NOTE: Please include your Quote No. to ensure proper pricing of your project.	Method of Transport ☒ Client ☐ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other: _____	Sample Condition Upon Receipt 1. CHILLED ☒ YES ☐ NO 4. SEALED ☒ YES ☐ NO 2. HEADSPACE (VOA) ☒ YES ☐ NO 5. # OF SPLS MATCH COC ☒ YES ☐ NO 3. CONTAINER INTACT ☒ YES ☐ NO 6. PRESERVED ☒ YES ☐ NO
Client: <u>Strata</u> Attn: <u>Testa</u>		Address: _____ City: _____ State: _____ Zip Code: _____	
Project #: _____ Project Name: <u>SHHC Site</u>		Sampler: <u>B. Fletcher</u> Received by: (Signature and Printed Name) _____ Date: <u>12/15</u> Time: _____ Received by: (Signature and Printed Name) _____ Date: <u>3/16/11</u> Time: _____	
Relinquished by: (Signature and Printed Name) _____ Relinquished by: (Signature and Printed Name) _____		Received by: (Signature and Printed Name) _____ Date: _____ Time: _____	
Special Instructions/Comments: <u>Tests</u>		Special Instructions/Comments: <u>Tests</u>	
Bill To: Attn: _____ Co: _____ Addr: _____ City: _____ State: _____ Zip: _____		Circle or Add: Analysis(ies): _____ Presumptive: _____	
Sample/Records - Archival & Disposal Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report. Storage Fees (applies when storage is requested): • Sample : \$2.00 / sample / mo (after 45 days) • Records : \$1.00 / ATL worksheet / mo (after 1 year)		QA/QC RTNE ☐ CT ☐ Legal ☐ SWRCA ☐ Logcode ☐ OTHER ☐	
LAB USE ONLY: Batch # _____ Lab No. _____		PRESERVATION (Container(s)) _____ TAT # _____ Type _____	
Sample Description Sample I.D. / Location _____ Date _____ Time _____		Specimen Appropriate Matrix DRINKING WATER ☐ SOLID ☐ GROUND WATER ☐ SOIL ☐ SURFACE WATER ☐ SEDIMENT ☐ AQUEOUS ☐	
116746-17 13 13 1 10 2		DRINKING WATER GROUND WATER SURFACE WATER AQUEOUS	
Container Types: T=Tube V=VOA L=Filter P=Pin J=Jar B=Bedler G=Glass P=Plastic M=Metal		Preservatives: H=HCl N=HNO ₃ S=H ₂ SO ₄ C=4°C Z=Zn(Ac) O=NaOH T=Na ₂ SO ₃	