

# APPENDIX A

Well Purging and Sampling Records February 2009 Sentry Event

# DFSP Norwalk Quarterly GWM – Feb. 2009

# **GAUGING DATA**

Page \_\_\_ of \_\_\_

Date	Time	Well no.	DTP	DTW	notes
02/09/09	08.38	GMW-61	-	27.56	
1	08:44	GMW-60		28.27	
	08:52	MW-13		29.88	
	09:00	GMW-47		28.07	
	09:05	GMW-57		28.72	
	09:12	GMW-58		26.78	Product odor
	09:18	GMW-59		26.05	Product odor
	09:25	EXP-01		52.56	
	09:29	MW-17		29.36	
	09:38	GMW-50		27.40	
	09:42	GMW-51	_	27.49	
	09:51	GW-15	27.98	28.02	Piezometer
	10:02	GMW-45		27.68	
	10:08	GMW-56	٠	28.50	
	10:20	GMW-06		20.62	
	10:27	GMW-15		28.51	
	10:35	GMW_05		29.88	
	10:48	MW-23M		32.78	
	10:52	TF-24		29.90	
	11:00	GMW-16		29.18	
	11.06	GW-08		28.59	
	11:10	MW_10		30.05	
	11:17	GW_05	_	27.68	
	11:25	GW-06	_	27.38	
A	11:34	TF-26		27.91	Piezometer
DTP = Depth	to Product	DTW	= Depth to W	ater	

# DFSP Norwalk Quarterly GWM - Feb. 2009

# **GAUGING DATA**

Page 2 of 4

Date	Time	Well no.	DTP	DTW	notes
02/09/09	11:38	GMW-21	_	27.48	
1	12:21	GW-04		26.05	Piezometer
	12:27	MW-24		29.67	
	12:36	EXP-02		52.81	
	12:45	GW-03		27.12	
	12:54	GW-02		27.61	Piezometer
	12:59	MW-14		30.77	
	13:07	GW-13		28.88	
	13:15	GW-01		27.06	Piezometer
	13:40	MW-22M		32.96	
	13:43	MW-25		30.70	
	13:51	MW-26		29.11	
V	14:02	MW-27		30.44	
02/10/09	08:19	TF_08		27.69	
	08:25	TF-09		27.82	
	08:33	GMW-17		27.05	
	08:41	TF_11		26.90	Piezo meter
	08:50	GMW-31		28.87	<u> </u>
	08:54	PZ-04		27.05	
	09:05	PZ-03		27.31	
	09:10	TF-25		27.62	Piezometer
	09:16	GW-07		27.75	
	09:35	TF-10		25.44	
	09:40	GMW-54		26.78	
	09:47	GMW-40		25.05	

DTP = Depth to Product

DTW = Depth to Water

# DFSP Norwalk Quarterly GWM - Feb. 2009

# **GAUGING DATA**

Page <u>3</u> of <u>4</u>

Date	Time	Well no.	DTP	DTW	notes
0210/09	09:52	GMW-41		26.58	
	10:12	TF-21		26.72	Piezometer
	10:18	GMW-35		27.70	
	10:30	TF-22		26.32	Piezometer (GMW-46)
	10:36	TF-23		26.46	(GMW-46)
	10:43	TF-20	27.24	27.85	
	11:21	TF-17	26.05	27.66	
	11.45	GW-14		26.62	
	12:35	TF-16		27.73	Piezometer
	12:44	TF-15		27.78	Piezometer Piezometer
	12:51	GMW-44		26.87	
	12:56	GMW-43		26.79	
	13:05	TF-14		26.91	Piezometer
	13:09	GMW-18		26.50	
	13:19	GMW-07		26.23	
	13:24	TF-13		26.14	Piezometer
	13:35	GMW-19		21.35	
	13:52	MW-16		28.54	
	13:57	GMW-52		26.95	
	14:01	GMW-53		26.78	
	14:09	TF-19		27.70	Piezomoter
	14:17	TF-18		25.88	
	14:30	MW-29		30.26	
	14:34	GMW-32		26.15	
V	14:48	GMW-12		26.39	

DTP = Depth to Product

DTW = Depth to Water

# DFSP Norwalk Quarterly GWM – Feb. 2009

# **GAUGING DATA**

Date	Time	Well no.	DTP	DTW	notes
02/10/09	<del> </del>	GMW-33		27.05	
	15:23	EXP.03		52.16	
	15.50	GMW-63		29.08	
	15:58	GMW-64		27.47	
₩	16:07	GMW-62		28.31	
		•			

DTP = Depth to Product

DTW = Depth to Water

## **PARSONS** 100 W. Walnut St. Pasadena, Ca. 91124 **WELL PURGING LOG** Well ID: GMW-61 Project Name: DFSP Norwalk Project Number: 746442 Measured by: 7.6, Location: Norwalk, CA. Sample Collected by: D.T. Sample No.: GMW 61 Date: 0211 2000 Equipment Purging Method/Equipment: Vacuum Truck Sampling Equipment/IDNo.: Horiba U-10 and Disposable Bailer **Purging Information** Casing Diameter (inches): circle one 2 3 4.5 5 6 8 12 other 0.16 0.38 0.66 0.83 1.02 1.5 2.6 5.8 other Gallons/linear foot TD: 50 - DTW: $27.56 = 22.44 \times Gallons = 14.81 \times Casing = 44.5 \times Galculated$ Water linear ft 1 casing volumes Purge Column volume Actual purge (gals): Start (2400 hr): 082 U End (2400 hr): 0857 Time (2400 hr): 0820 Date Purged: Date Sampled: Turbidity Time Volume Temp. Electrical Dissolve Color Odor Remarks (2400 Purged Conductivity Oxygen (Clarity) (NTU) (deg. (C)or F) (mg/L) hr) (gals.) (uS/cm or mS/cm) 08.21 12.5 204 none 6,95 2.02 -0.09 0829 10 2,09 Strong 7.48 -0,06 mila 2.01 -0.06 7.53 96 -0,06 7.63 -6.06 7.69 -0.56 Comments:

		4		
Completed By:	D TRAN	Signature:	MMW.	

(print name)

WELL PURGING LOG	PARSONS 100 W. Walnut St. Pasadena, Ca. 91124									
Purging Information   Casing Diameter (inches): circle one     2	Project Name: DFSP Norwalk Project Number: 746442 Measured by: P.G. Sample Collected by: D.T. Date: 02 11 2009  Equipment Purging Method/Equipment: Vacuum Truck									
2   3   4   4.5   5   6   8   12   other	Purging Information									
TD:										
TD: $90$ - DTW: $28.27 = 21.73 \times 90$ Water $100 \times 100 \times 100$ Purge (gals):  Date Purge (gals):  Date Purged: $100 \times 100 \times 100$ Start (2400 hr): $100 \times 100 \times 100 \times 100$ Purged (deg. Conductivity (uS/cm))  One of $100 \times 100 \times 100$		er								
(2400   Purged (deg.   Conductivity   Oxygen (Clarity) (NTU) (mS/cm) (uS/cm or (mg/L) (mS/cm)) (uS/cm) (uS/cm) (mS/cm)	Water linear ft 1 casing volumes Purge Column volume  Actual purge (gals):  Date Purged: 2 (1) (0) Start (2400 hr): (1) 8 7 End (2400 hr): 0938									
Comments:	(2400   Purged   (deg.   Conductivity   Oxygen   (Clarity)   (NTU)   (ms/cm)	narks								

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Completed By:	D. TRAN	Signature:	mal	

(print name)

		<b>ONS</b> Walnut S na, Ca. 9										
	Project Measur Date: Equipm Purging	Number: ed by: 021 nent Method/	<u>₹.6.</u> <u> </u>   7.000  Equipmer	icuum Ti						_		
ı	Sampling Equipment/IDNo.: Horiba U-10 and Disposable Bailer  Purging Information Casing Diameter (inches): circle one											
	2 0.16	0.38	0.66	-	4.5 0.83	5 1.02	1.	5	2.6	12 5.		other other
l		/linear fo		<del>,</del>	0.03	1.02	1.	5	2.0	J 3.	0	Other
	TD: <u>55</u> - DTW: <u>28.72</u> = <u>26.28</u> x <u>Gallons</u> = <u>17.35</u> x Casing = <u>52</u> Calculated Water linear ft 1 casing volume Actual purge (gals):											
	Time (2400 hr)	Volume Purged (gals.)	Temp. (deg. Ĉ or F)		luctivity m or	Dissolve Oxygen (mg/L)	Color (Clari		urbidity ITU)	Odor	pН	Remarks
0947	<b>(3)</b>	1	19.1	1,	76	20.06			86	mild	7,56	
10947	0947	10	20.0		76_	-0.06			24	mild	7,81	
10950	09	30	20.7	- (;	80	-0.06			95t 201	mild	1.87	
•	0954	40	20.0	- (;	<b>X</b> = -	-0.06	_		198	mild	7.83	•
	1062	52	209			-0.06			195	ni/1	7 87	
	(00-			į	(9)	0.00			<del>' '</del>	7	1.0 {	
	LL											
	Comme	ents:										

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(print name)				/		_

	SONS . Walnut S ena, Ca. 9								
Project Measu Date: Equip Purging Sampli Purgin	ment g Method/ling Equipn	746442 P.G. II 2000 Equipmer nent/IDNo	walk	ELL PURG	Well Loca Sam Sam	ID: <u>GM</u> tion: Norwa ple Collecte ple No.: <u>(</u>	lk, CA. ed by:	D.T.	_
2	3	/4	4.5	5	6	8	12		other
0.16	0.38	0.66	0.83	1.02	1.5	2.6	5.8		other
Gallons/linear foot  TD: $50.5$ - DTW $28.01$ = $22.43$ x $\frac{\text{Gallons}}{\text{Water}}$ x $\frac{\text{Gallons}}{\text{linear ft}}$ = $\frac{14.8}{1 \text{ casing}}$ x Casing = $\frac{44.5}{1 \text{ casing}}$ Calculated Purge volume  Actual purge (gals): $\frac{\text{Column}}{\text{Date Purged:}}$ Start (2400 hr): $\frac{10.4}{1 \text{ Casing}}$ End (2400 hr): $\frac{10.4}{1 \text{ Casing}}$ End (2400 hr): $\frac{10.4}{1 \text{ Casing}}$ Time (2400 hr): $\frac{10.4}{1 \text{ Casing}}$ End (2400 hr): $\frac{10.4}{1  Cas$									
(2400 hr)	Purged (gals.)	(deg. Ĉ or F)	Conductivity (uS/cm or (mS/cm)	(mg/L)	(Clarity)	(NTU)		- 172	
MYY	10	724	1,53	-0.05		117	Mild.	7.57	
1050	1 20	20.9	1,56	-0.06		21)	mi'ld	7.76	
(0)	7 20	2015	164	0.06		20	NONE	7.8	)
1700	40	21.3	1.60	-0.06		23/	NONE	7.80	
1103	SĎ	200	1.60	-0.05		222	None	7.82	
Comm	ents:								

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Completed By: (print name)

Project Measur Date: Equipn Purging Samplin	Number: red by: 02[1] nent g Method/	P.G. 1 2004 Equipment	nt: Va	cuum Tr	LL PURGI	Well Loca Sam Sam	ID: tion: Norwa ple Collecte ple No.:	alk, CA. ed by:	D.T.	
		(inches):	-circle	one						
2	3	14		4.5	5	6	8	12		other
0.16	0.38	0.66	3	0.83	1.02	1.5	2.6	5.8	_	other
Gallons	/linear foo	ot _			<u>'</u>					
Actual p	ourge (ga	,	\	Vater olumn	Gallons linear ft Start (2400 I	1 casin volume ar): <i>[/[0</i>	g volum e <u>{</u> End	ies	,	Calculated Purge
Time (2400 hr)	Volume Purged (gals.)	Temp. (deg. Or F)	Electric Cond (uS/c	uctivity m or	Dissolve Oxygen (mg/L)	Color (Clarity)	Turbidity (NTU)	Odor	рН	Remarks
1107	!	19.9	1.	87	-0.06		999	note.	7.60	)
1113	10	200	Ϊť	76	~0.05		187	NONO	7.92	
112	20	209	1.	11	-0.06		94	nove	7.90	
1127	30	21,5	h	71 -	-0.06		92	NONE	7.93	
1129	40	A 10	-/:	75	70,05		78	NONE	7,43	
433	50	221		74	-0.06		772	NONE	7,53	<u> </u>
1137	60	721		, 17	-0.05		79	NINE	7.1:	)
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PARSONS 100 W. Walnut St. Pasadena, Ca. 91124

PARSONS 100 W. Walnut St. Pasadena, Ca. 91124										
WELL PURGING LOG  Project Name: DFSP Norwalk Project Number: 746442 Project Number: 746442 Measured by: P.G. Sample Collected by: D.T. Sample No.: CMW 59  Equipment Purging Method/Equipment: Vacuum Truck Sampling Equipment/IDNo.: Horiba U-10 and Disposable Bailer  Purging Information										
		(inches):	circle one							
2	3	1 4	4.5	5	6	8	12		other	
0.16	0.38 s/linear foo	€ 0.66	0.83	1.02	1.5	2.6	5.8		other	
Actual	TD: $\underline{55}$ - DTW: $\underline{26.05}$ = $\underline{28.95}$ x $\underline{\text{Gallons}}$ = $\underline{\frac{19.1}{1 \text{ casing}}}$ x Casing = $\underline{57.3}$ Calculated Water linear ft 1 casing volumes Purge Actual purge (gals): Volume  Actual purge (gals): Start (2400 hr): $\underline{\frac{1172}{2000}}$ End (2400 hr): $\underline{\frac{1217000}{105}}$ Date Sampled: $\underline{0212}$ $\underline{7000}$ Time (2400 hr): $\underline{\underline{1105}}$									
Time (2400 hr)	Volume Purged (gals.)	Temp. (deg. (C or F)	Electrical Conductivity (uS/cm or nS/cm)	Dissolve Oxygen (mg/L)	Color (Clarity)	Turbidity (NTU)	Odor	рН	Remarks	
1145		19.8	TIYO	-0,06		930	STAM	7.60		
1149	10	[9.7]	0.701	-0.06		249	mild	7.71		
1152	20	18.4	0,740	-0.06		173	NOVE			
1157	30 40	15.1	J. D. C.	-0,06		128	NINE			
1003	50	1916	(1.916	-0106		111	NONE			
1207	60	2017	0.410	-0.06		100	NANA	0 4		
212	-00	7017	0.401				N 3/V C	0,00		
			<u> </u>							
Comme	ents:									

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Completed By:	D. TRAN	Signature:	MAN.	

(print name)

100 W. Walnut St. Pasadena, Ca. 91							
Project Name: DF Project Number: 74 Measured by: Date:	SP Norwalk 46442 ア. <i></i> よ.	WELL PURGI	Well II Locati Samp	D: <u>MW</u> _ on: Norwa le Collecte le No.: <u>M</u>	lk, CA. d by:	D.T.	_ <b>t</b>
Purging Method/Ed Sampling Equipme Purging Informati			osable Baile	er			
Casing Diameter (	inches): circle one	5	6	8	12		other
0.16 0.38	(0.66) 0.83		1.5	2.6	5.8		other
Actual purge (gals) Date Purged:		r linear ft	1 casing volume ar): 13	volum $17_{End}$	es	F	Purge
(2400 Purged (gals.) (	Temp. Electrical (deg. Conductivi (us/cm or ms/cm))  20,1 2,15  14,2 2,21		Color (Clarity)	Turbidity (NTU)  3 66 214 217 76 216 192	Note Nove	PH 8.00	Remarks
Comments:							

Signature:

D. TRAN

Completed By: (print name)

# **PARSONS** 100 W. Walnut St. Pasadena, Ca. 91124 Project Name: DFSP Norwalk Project Number: 746442 Measured by: P.C.

WELL PURGING LOG	
Well ID: <u>MW-1</u> 4	
Location: Norwalk, CA.	
Sample Collected by: D.T.	
Sample No.: MW 14	

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Εa		n	m	•	m

Purging Method/Equipment: Vacuum Truck

Sampling Equipment/IDNo.: Horiba U-10 and Disposable Bailer

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	J				

Casing Diameter (inches) sircle one

Cacing	Bidiffictor (III	10),100). Q10	10 0110					
2	3	[ 4 ]	4.5	5	6	8	12	other
0.16	0.38	0.66	0.83	1.02	1.5	2.6	5.8	other
Gallons	/linear foot							· ·

TD: 50 - DTW:  $30.77 = 19.23 \times Gallons$  | Gallons | Fig. 2.7 | Casing | Solution | Calculated Purge | Calculated Purge | Calculated Column Actual purge (gals): Start (2400 hr): 146 End (2400 hr): 429
Time (2400 hr): 11:30 Date Purged:

Time	Volume	Temp.	Electrical	Dissolve	Color	Turbidity	Odor	рН	Remarks
(2400 hr)	Purged (gals.)	(deg. (Cor F)	Conductivity (uS/cm or nS/cm)>	Oxygen (mg/L)	(Clarity)	(NTU)			
1411	7	18.5	2.04	-0.66		333	NoNe	7.41	
4116	10	2011	3.0)	-0.06		9/	NONE	7.85	7
1420	20	20.3	2.04	-0.06	_	196	Nove	7.86	
1424	30	20.7	2.05	-0.06		140	NONE	7.86	
1428	40	19,2	2107	-0.06		140	Nove	7.1	)
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Comments:				
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Completed By: \_\_\_ (print name)

Signature:

## **PARSONS** 100 W. Walnut St. Pasadena, Ca. 91124 WELL PURGING LOG Well ID: GMW\_64 Project Name: DFSP Norwalk Project Number: 743447 746442 Location: Norwalk, CA. Sample Collected by: D.T. Sample No.: 64 P.G. Measured by; 07/11/2009 Date: Equipment Purging Method/Equipment: Vacuum Truck Sampling Equipment/IDNo.: Horiba U-10 and Disposable Bailer **Purging Information** Casing Diameter (inches): circle one 2 3 4.5 5 6 8 12 other 0.38 0.66 2.6 0.16 0.83 1.02 1.5 5.8 other Gallons/linear foot TD: 40 - DTW: $27.47 = 12.53 \times Gallons = <math>8.27 \times Gallons = 24.8 \times Gallons$ Water linear ft 1 casing volumes Purge volume Column Actual purge (gals): Start (2400 hr): / 453 End (2400 hr): Time (2400 hr): 12:58 Date Purged: Date Sampled: Time Volume Temp. Electrical Dissolve Color Turbidity Odor Remarks (2400 Purged (deg. Cor F) Conductivity Oxygen (Clarity) (NTU) (uS/cm or hr) (gals.) (mg/L) mS/cm) 999 -0.07 NONE -0,07 10 0,06 15 340K 10. Jr Comments

Comments.				
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Completed By:	D. TRAN	Signature:	MM.	

	ONS Walnut S ena, Ca. 9								
Project Measur Date: _ Equipr Purging Sampli	g Method/I	746442 P.G. 1 2000 Equipmer			Well Loca Sam Sam	ID: tion: Norwa ple Collecte ple No.: ler	alk, CA. ed by:	D.T.	_
		7	circle one				40		-41
0.16	0.38	0.66	4.5	5 1.02	6 1.5	8 2.6	12 5.8		other other
			,   0.63	1.02	၂ 1.၃	2.0	5.6		Other
Gallons/linear foot  TD: $40$ - DTW: $29.08 = 0.92$ x $0.92$ x $0.92$ x $0.92$ x $0.92$ Casing = $0.92$ x Casing = $0.92$ Calculated Purge  Actual purge (gals): $0.92$ Start (2400 hr): $0.92$ End (2400 hr): $0.92$ Date Sampled: $0.92$ $0.92$ Start (2400 hr): $0.92$ $0.92$ Time (2400 hr): $0.92$ $0.92$ $0.92$ $0.92$ Time (2400 hr): $0.92$ $0.9$									
Time (2400 hr)	Volume Purged (gals.)	Temp. (deg. (C)or F)	Electrical Conductivity (uS/cm or (mS/cm)	Dissolve Oxygen (mg/L)	Color (Clarity)	Turbidity (NTU)	Odor	рН	Remarks
1511	1	13.9	1.79	70.0		914	MNe	792	
ISIS	<u>_</u> 5	17.1	1,63	-0.07		354	rove	8.03	
1518	10	17.2	116	70.07		300	NONE	8.03	
1500	15	15.6	h 6 /a	-0.07		213=	NONE.	803	
152	25	1-),2	1,50	-6.07 -0.07		/3/	Nove	70.7	•
1520		1 1.1	113	0.0		// 7	NWVE	710	
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Comple	eted By: _	D.	TRAN	Signa	ature:	767	3/m	1.	

Completed By: \_ (print name)

PARSONS 100 W. Walnut St. Pasadena, Ca. 91124						
Project Name: DFSP Norwalk Project Number: 746442 Measured by: P.G. Date: 12 11 7000	ELL PURGI - -	Well Loca Sam	ID: <u>GM t</u> tion: Norwa ple Collecte ple No.:	alk, CA. ed by: _	D.T	
Purging Method/Equipment: Vacuum T Sampling Equipment/IDNo.: Horiba U-		osable Bai	iler			
Purging Information Casing Diameter (inches): circle one						
2 3 4 4.5	5	6	8	12		other
0.16   0.38   0.66   0.83   Gallons/linear foot	1.02	1.5	2.6	5.8	3	other
TD: $4D$ - DTW $28.3$ ] = $1.69$ x Gallons linear ft $1$ casing volume $1$ Calculated Purge (gals): $2$ Calculated Purge (gals): $2$ Start (2400 hr): $2$ End (2400 hr): $2$ End (2400 hr): $2$ Date Sampled: $2$ Time (2400 hr): $2$ End $2$						
Time Volume Temp. Electrical Conductivity (gals.) Cor F) (us/cm or mS/cm)	Dissolve Oxygen (mg/L)	Color (Clarity)	Turbidity (NTU)	Odor	pН	Remarks
1530 1 13.3 2.61	-0.08		291	Mild	7.72	
1543 5 179 2.76	-6,06		104	mild.	7.92	
10 172 2.73	-0.06		1/2	Ni/d	791	
1452 15 /82 2,67 446 20 /72 2,66	-0.06		97	my g	7.9	
1559 25 177 2163	-0.66		86	NoNe	7,92	
1)3	10.00			// WY	///2	<del></del>
			l			
Comments:						
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Completed By: _	D.	TRAN	Signature: _	MM	)	
(print name)			_			

# WELL GAUGING DATA

Project # 090223 - TR   Date 2	23/09 Clien	t KNEP
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Site 15304 NORWALK BLUD - NORWALK

		·	<del></del>								
		Well		Depth to	Thickness of	Volume of Immiscibles			Surve	i i	1
		Size	Sheen /		e Immiscibl			Depth to well	Point:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HR.
Well ID	Time	(in.)	Odor		) Liquid (ft.		(ft.)	bottom (ft.)	ТОВ	Notes	
wcw-1	3 0740	4					29.65	40149		*	
WCW-	3 0830	+					28,10	50.56		*	
EXP-5	3925	4					47,61	109,42 - <del>80,42</del>	-	*	
GMW-	1025	4					23,63	47.90		*	
B-2	1110	4					23.90	49,32		*	
-0-1 G'04AA-	1145	4					22,70	4914		*	
wcw-7	1225	4					28,45	21.20		* "	STRUC
GHW- 0-14	1305	4					25. <b>5</b> 3	49.89		*	1
HW - SF-4	1350	4					30.96	44150		*	
EXP-2	1330	4					53142	123,40		× 08	Mrue
EXP-1	0929	y	-				53,40	123,92		*	
EXP-3	1010	4					52152	122162		*	
GMW-39	1055	ij					24.70	50,62		*	
3 ll	1135	4		25,80	0,33		24,13				
P2-5	W50	4					25.25	38.03		*	
NW- 5F-1	1250	6					30.00	50,90		*0	POR
GMW- 0-15	1350	4		24.74	002		24.76				

Project =	#: 0907	223-7	R	Client:		KM	EP Norwalk	
Sampler	TR			Start Date	0: 2/24	107		
Well I.□	): EXP	_ (		Well Diar	neter: 2	3 4	) 6 8	
	ell Depth:		2	Depth to	Water:	Pre: 53	ع. نان Post:	53.44
Depth to	Free Prod	luct:		Thickness	of Free P	roduct (fe	eet):	
Referenc	ced to:	(V)c	Grade	Flow Cell	Type:		YS (556	
Purge Met <b>l</b> Sampling N		2" Grundi Dedicated			Peristaltic F	g g	Bladder Pump Other	
Flow Rate:	200 M	·   M In	<u>) @ 09.</u>	34	Pump Depti	h:^_	25	
Time	Temp.	рН	Cond. (mS or AS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mD)	Depth to water
0937	21.43	7.42	1085	4	2,26	29.2	600.	53,43
5940	21,60	7,40	1088	4	2,08	29.4	1200	53,43
0943	21,80	7,40	१०३८	5	1,77	28,8	1800	53643
0946	22,34	7.41	1040	lo	1165	27.9	2460	53.43
9949	22,80	7,38	1090	5	1,55	280	3000	63,44
0452	22,80	7,37	1089	5	1,51	2715	3600	53.44
							·	
oid well d	ewater?	Yes	<u>49</u> )		Amount a	ctually ev	/acuated: るん	oonl
ampling [	Time: 🔊	155					124/04	
	).: EXP -				Laborator		Alpha Analytical	
nalyzed f	for:	PHg TP	Mfp VOO's			~ .~	BR	
quipment	Blank I.D		@ Time		Duplicate		-	

Project	#: 0902	123-7	72/	Client:		KM	EP Norwall	<
Sampler	:TR			Start Date	e: 2/2L	1/07		
Well I.E	).:EXP-	2		Well Dia	meter: 2	3 (1	7) 6 8	
Total W	ell Depth:	128:4	O	Depth to	Water:	Pre: S	3.40 Post	: 53,48
Depth to	Free Proc	luct:	9	Thickness	s of Free P	roduct (f	et):	
Reference	ed to:	PYC	Grade	Flow Cell	Type:		YSI 556	
	Method:		•	> p	Peristaltic New Tubin Pump Dept	•	Bladder Pump Other	
Time	Temp.	рН	Cond. (mS or TS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed	Depth to water
0 <b>B</b> 23	20,93	7.37	1458	5	585	40,8	600	53,43
095W	21,12	7.28	1460	5	Siyo	4113	1200	53,44
0359	21,30	7,25	1463	7	5,26	41.4	1800	634B
0902	21,33	7,24	1448	S	5120	4118	2400	53,48
0905	21,33	7.24	4465	\$	Sille	41,0	3000	53,48
			·					
Did well d	ewater?	Yes ]	ON		Amount a	ctually ev	/acuated: ろっ	DOML
ampling	Time: 09	10			Sampling	Date: 2	24/09	
ample I.I	).: EX4	'~ 2			Laborator	y: ,	Alpha Analytical	
nalyzed f	for:	PHg TP	Hfp vões	MTBE	(	Ortier: Tr	312	
quipment	Blank I.D	),:	@ Time	· ]	Duplicate			

		<u>LOW</u>	FLOW WI	ELL MON	ITORING	<b>J DATA</b>	SHEET	
Project #	#: 0902	_23	TR 1	Client:		KM	EP Norwalk	(
Sampler	: 7/L			Start Date	=: 2/21	1/07		
Well I.D	):: Ety-	-3 .		Well Dian	meter: 2	3 4	) 6 8	
	ell Depth: ۱		2.	Depth to '	Water:	Pre: S 2	USZ Post:	:52.56
Depth to	Free Prod	luct:		Thickness	s of Free Pi	roduct (fe		
Reference	ed to:	₽₹C	Grade	Flow Cell			YSI 550	
Purge Meth Sampling N	Method:	2" Grundf Dedicated	l Tubing		Peristaltic F	g	Bladder Pump Other	
Flow Rate:		VC I M	100010	T	Pump Deptl	n:	20	****
Time	Temp.	pН	Cond. (mS or (LS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. oi(กิน)	Depth to water
1014	21.02	7.73	688	3	1.07	23.9	ره ب <i>ی</i>	52153
1022	21,16	7159	695	5	0.87	251	1200	52.53
1025	21,26	7,56	694	4	01 <del>8</del> 0	25,2	1800	82,85
1028	21,40	7,57	le 9 lo	5	0,72	2418	2400	52,55
1031	21,42	7:50	696	5	0,70	247	3000	52.55
1034	्रा.५५	7,54	696	5	ゆいつ	2418	3400	5255
oid well d	lewater?	Yes †	<b>∞</b>		Amount a	ctually ev	acuated: عد	4 00 s
ampling [	Time: 10	35					123/09	
ample I.D	D.: EXP	- 3_		-	Laboratory	y: #	Alpha Analytical	
nalyzed f	ior: 7	IP)g TP	Hyp VOCs	MTBB	(	Othey:	BA	-
quipment	Blank I.D	).:	@ Time	7	Duplicate l	ID·		

		LUW	FLUW WI	CILL IVIOIN	IIUKIN	JUAIA	SHEET	
Project	#: 0902	23-T	r l	Client:		KM	EP Norwalk	(
Sample	: 72			Start Date	2/23	109		
Well I.L	).: EXP.	-5		Well Diar	neter: 2	3 4	) 6 8	
Total W	ell Depth:	100114	. 2	Depth to	Water:	Pre: 47	(a) Post:	47,74
Depth to	Free Prod	luct:		Thickness	of Free P	roduct (fe		
Referen	ced to:	₽V¢	Grade	Flow Cell	Type:		YSI 556	
Purge Met Sampling I Flow Rate:	Method:	2" Grund Dedicated	•	7	Peristaltic New Tubin Pump Dept	•	Bladder Pump Other	
Time	Temp.	рН	Cond. (mS or <sub>k</sub> [S])	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or เชเว)	Depth to water
0940	20,00	7.34	1073	5	3,64	3017	600	47.70
0943	20137	7,85	1009	5	3.42	2915	1200	47(70
594V	20158	7,85	८०७ ८	4	3,39	27,8	1800	47.72
0949	20,05	7.77	lout	5	3,20	2918	2400	47.72
0952	21103	775	1067	Ç	3,23	3113	3000	47.73
5955	21108	7173	1068	5	3.14	3310	3600	<i>ধাণ</i>
3959	2410	7:72	10kg	5	3110	34,0	4200	47,74
1001	21113	7172	iou q	7	3,08	34,2	4800	47.74
			:					
Oid well	dewater?	Yes	<b>10</b>		Amount a	ctually ev	vacuated: H q	300nL
Sampling	Time: 1	005			Sampling	Date: 2	123/09	
Sample I.I	D.: EXP	-5			Laborator	y:	Alpha Analytical	
Analyzed	for:	iDHg to	Hfp VOC's	MUBE	1	Othen: T	BA	
Equipmen	t Blank I.I	D.:	@ Time		Duplicate	I.D.:		

	270 11	A DO VI VII	TELET TAROL	ILL CANALY	UDALA	I CRUBLE	
Project #: 🏺 ۹ ८	223 -	TR 1	Client:		KN	IEP Norwall	<b>(</b>
Sampler: Tr			Start Date	e: 2/2	1/09		
Well I.D.: GM	w-3k		Well Dia	meter: 2	3 7	5 6 8	
Total Well Deptl	1:		Depth to	Water:			
Depth to Free Pr	oduct: 25	5130	Thickness	s of Free F	Product (f	eet): 0.33	
Referenced to:	(PYC	Grade	Flow Cell			YSI 556	
Purge Method: Sampling Method: Flow Rate:	2" Grund Dedicate	fes Pump d Tubing		Peristaltic New Fubio Pump Dep	ng	Bladder Pump Other	
Temp. Time (°C or °l	1	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
-0133	DF SC	H DET	ecteo	w/ 12	TERFI	oce proj	3E —
- NO B	VRGE	OR 84	ncple	Take	N		
							į
oid well dewater?	Yes	No		Amount a	ıctually e	vacuated:	
ampling Time:				Sampling	Date:		
ample I.D.				Laborator	y:	Alpha Analytical	
nalyzed for:	TPHg TP	Hfp VOC's	MTBE		Other:		
quipment Blank I	.D.:	@ Time		Duplicate	I.D.:		

		LOW.	FLOW W	ELL MON	ITORIN	G DATA	SHEET	
Project	#:0902	23-T	R1	Client:		KM	EP Norwall	ζ
Sample	r: TVL			Start Date	2/2	4/09		
Well I.L	).: GMV	1-39		Well Dia	meter: 2	3 \{	) 6 8 _	
Total W	ell Depth:	50163		Depth to	Water:	Pre: 2	ان Post	: 27, [9
Depth to	Free Prod	luct:		Thickness	of Free P	roduct (fe	eet):	
Referen	ced to:	PFVC	Grade	Flow Cell			YSI (556)	
Purge Meth Sampling I Flow Rate:	Method:	2" Grundi Dedicated L (พ.ก)		2	Peristaltic I New Tubin Pump Dept	•	Bladder Pump Other	
Time	Temp.	pН	Cond. (mS or μ§)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or ht.)	Depth to water
1105	21.81	7,38	1171	3	0137	14,5	6000	2494
११०८	21,91	7.35	11 80	3	8,40	12.6	1200	27,03
un	2211	7.29	1182	4	249	1419	1800	27110
1114	22,20	7,28	1183	3	2,56	1513	2400	27,13
1117	22.25	7,30	1181	4	0,46	15,9	3000	27.17
1120	22,29	7,31	1131	3	0.42	16.2	3600	22,19
1123	22132	7,31	1132	3	242	16.5	4200	27,19
	-							
	lewater?		40)	· · · · · · · · · · · · · · · · · · ·	Amount a	ctually ev	/acuated: 4:	200nL
ampling	Time: 11	25			Sampling	Date: 2	124/09	
ample I.I	D.: GM	W-39	7		Laborator	y; <u>/</u>	Alpha Analytical	
nalyzed	for:	PPHg TP	Hip Vacs	MTBE	(	Other: †	BAO	
quipment	Blank I.D	).:	@ Time		Duplicate	LD.:		

		LOW.	F. T. C. AA AA T	TATALL PEPE	PERMULL	JUALA	SHEEL	
Project	#: 0902	23-T	RI	Client:		KM	EP Norwall	<
Sampler	: TK			Start Date	: 2/23	107		
Well I.L	).: GMW	-0-1		Well Diar	neter: 2	3 4	0 6 8	
Total W	ell Depth:	49,0	1	Depth to	Water:	Pre: ขา	No Post	: 23-07
Depth to	Free Prod	uct:	,	Thickness	of Free P	roduct (fe	eet):	
Reference	ced to:	PC	:Grade	Flow Cell	Туре:		Y \$1 556	
Purge Meth Sampling N	Method:	2" Grund Dedicated	•		Peristaltic I New (Fub)n	g g	Bladder Pump Other	
riow Rate:			1 (6,112	7	Pump Dept	h:	0	
Time	Temp.	рН	Cond. (mS or $\varphi$ S)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
1155	21.92	7,28	2746	9	1,86	29,6	600	23,00
1159	22120	7,26	2770	9	1,78	2915	1200	23,01
1201	22142	7125	2782	৭	116	30:1	1800	23,103
1204	22,50	7.20	2787	7	ارباح	3019	2400	23,00
1207	22,56	7,20	2791	-1	1,44	30.3	3000	23107
<u> </u>								
Did well c	lewater?	Yes A	N9)		Amount a	ctually ev	/acuated: °ろo	oonl
Sampling	Time: 12	10			Sampling			
ample I.I	D.: Grun	1-0-1			Laborator	y:	Alpha Analytical	
nalyzed	for:	FPHg TP	F)fp VQC's	MTBE	(	Other: 57	P.A.	
quipmen	t Blank I.D	).:	@ Time		Duplicate			
quipmen	Blank I.L	).: 		]	Duplicate	I.D.:		

			FLUVV VVI		HUKHW	JUALA	SULLI	
Project	#: 0902	23-T	r	Client:		KM	EP Norwalk	(
Sampler	: TR			Start Date	: 2/2	3/09		
Well I.L	).: GMW	-0-2	•	Well Dian	neter: 2	3 4	) 6 8	-
Total W	ell Depth: '	49,3	2	Depth to V	Water:	Pre: 2.5	Sequ Post	: 24,31
Depth to	Free Prod	uct:		Thickness	of Free P	roduct (fe	eet):	
Reference	ced to:	₽√C	Grade	Flow Cell	Type:		YSIG36	
Purge Meth Sampling N	Method:	2" Grunds Dedicated	I Tubing		Peristaltic I	g	Bladder Pump	
Flow Rate:	200 M	J HIM	<u> </u>		Pump Dept	h: 1-40	გ	
Time	Temp.	pН	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or nil)	Depth to water
॥ १७	2441	7.09	3121	20	0189	احرو	600	24.13
1121	21,70	7.00	3152	14	פנש	2211	1200	2417
1124	22,00	હત્વહ	3166	12	0.55	25,3	1800	24,23
1127	22.09	७५८	3168	ි	0152	26,3	2400	24.28
1130	22.02	6,97	3173	ზ	<sub>१.</sub> ५९	2710	3000	24,30
1133	22102	6197	3172	<b>-7</b>	0,49	27:3	3600	24131
.*								
Did well o	lewater?	Yes	M		Amount a	ctually ev	vacuated: کاد	00 mL
Sampling	Time: (13	55			Sampling	Date: 2	23/09	
Sample I.I	D.: G vu	w-0-	. 2		Laborator	y: .	Alpha Analytical	
Analyzed	for:	IP <b>H</b> g TP	Hofp VOO's	MTBE		Other: 77	pAc	
quipmen	t Blank I.D	).:	@ Time	]	Duplicate	I.D.:		!

				:.x O : ,	22 0 2 4 2 1 1			
Project #	4: 0902	23-TY	2 (	Client:		KM	EP Norwalk	
Sampler	: TR			Start Date	: 2/23	109		
Well I.D	).: GWW	1-0-3	}	Well Diar	neter: 2	3 4	68	***************************************
Total W	ell Depth:	47.9	0	Depth to	Water:	Pre: 27	Su3 Post:	24110
Depth to	Free Prod	uct:		Thickness	of Free P	roduct (fe	eet):	
Reference		PVC	Grade	Flow Cell			Y(SI) 356	
Purge Meth Sampling M Flow Rate:	Method:	2" Grundi Dedicated			Peristaltic l New Tubin Pump Dept	•	Bladder Pump Other_	
Time	Temp.	рН	Cond. (mS or (S))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or nD)	Depth to water
1034	21,46	7,37	2448	433	D.74	-9,4	J.20	2340
1037	21,80	7,30	2511	613	1105	-11,2	1500	23.93
1040	21,39	7,21	2524	B48	0171	-18,4	22S0	23,95
1043	22,13	7,20	2536	>1000	0.58	- 20.4	3000	24,00
1046	22,20	7118	2540	757	0.50	-2113	3750	24,03
1049	22,28	7,17	2542	540	047	-22.2	4500	24,05
1052	22133	7.16	2543	S& 7	0143	-22,5	5250	24,08
1055	22,37	7(16)	2541	542	0141	-24,0	لوەەن	2410
Did well o	dewater?	Yes	<u> </u>		Amount a	ctually e	vacuated: しゅ	ODAL
Sampling	Time: 11	00			Sampling	Date: 2	23 09	
Sample I.I	D.: GM'	w- o-	3		Laborator	y:	Alpha Analytical	
Analyzed	for:	T <b>PA</b> g TŔ	Ofp vod's	MTBE	,	Other:	21/A:	
Equipmen	t Blank I.I	D.:	@ Time		Duplicate	I.D.:		

Project 7	#: 0°( o 2 °	23 - Tr	<u> </u>	Client:		KM	EP Norwalk	<u> </u>	
Sampler	: +12	•		Start Date	: 2/2	3/09			
Well I.D	).: GWW	1-0-1	4	Well Diar	meter: 2	3 4	) 6 8		
Total W	ell Depth:	49.89		Depth to	Water:	Pre: 25	S Post	25,36	
Depth to	Free Prod	uct:		Thickness	of Free P	roduct (fe			
Referenc	ced to:	PYC	Grade	Flow Cell	Туре:		YSI\558		
• •	Method:	2" Grundf Dedicated	•		Peristaltic New Tubin Pump Dept		Bladder Pump Other		-
Time	Temp.	pН	Cond. (mS or NS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed	Depth to water	
1313	22,56	2413	2,210	፞፞፞፞፞ጛጚ፟	<b>७</b> ।७७	-109.3	COD	25.85	þ
1316	23.07	7,22	571	35	०तप	+.2n-	1200	25.83	] ,
1319	23,52	7:10	940	28	0,58	-1240	1800	25.84	٤
1322	23160	7107	1068	26	0.58	72S.0	2400	25.85	,
1325	23,80	7.05	1146	26	0,58	-125.1	3000	25.85	1
1328	23 (81	7,07	1206	27	0156.	-125,5	3400	25.84	
	t								
								· · · · · · · · · · · · · · · · · · ·	
Did well c	lewater?	Yes 1	40		Amount a	ctually ex	vacuated: 34	2221	
ampling		330	<u></u>	·	Sampling			COUNT	
	D.: ENMAL		14		Laborator		Alpha Analytical		
nalyzed	· · · · · · · · · · · · · · · · · · ·		Hfp VOC's			Other:			
-	t Blank I.D		@ Time		———— Duplicate				

Project #: 090233-TR   Client: KMEP Norwalk								
Project #	1: 090	223-	-Trz.)	Client:		KM	EP Norwalk	
Sampler	: tr			Start Date	: 2/2	4/09		
Well I.D	.: GMV	1-0-	15	Well Dian	neter: 2	3 <u>A</u>	) 6 8	
Total We	ell Depth:	A.		Depth to V	Water:	Pre: 2	イコレ Post:	
Depth to	Free Prod	uct: 2	4.74	Thickness	of Free P	roduct (fe	eet): 0,02	
Referenc		P(VC)	Grade	Flow Cell			YSI 556	
Purge Meth Sampling M Flow Rate:	Iethod:	2" Grundî Dedicated			Peristaltic I New Tubin Pump Dept	g	Bladder Pump Other_	
			T		Tump Dept			
Time	Temp.	pН	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
	0102	OF	SPH &	W TECTES	p w/	NERT	TACE PROV	35
	NO P	NR GE	9R S	murie	TARRE	2		
					:			
Did well d	ewater?	Yes ]	No		Amount a	ctually e	vacuated:	
Sampling	Time:	*	_	^	Sampling			
ample I.D	).:				Laborator		Alpha Analytical	
nalyzed f	or:	ГРНg ТР	Hfp VOC's	MTBE		Other:	The state of the s	·
quipment	Blank I.D	),:	@ Time	]	Duplicate	I.D.:		

		LOW	FLOW WI	ELL MON	ITORIN	G DATA	SHEET		
Project	#: 0907	123-	TR 1	Client:		KM	EP Norwall	<	
Sampler	: TR			Start Date	e: 2/2	1/09			
Well I.D	).:'MW :	-SF	1	Well Diar	meter: 2	3 4	6 8		
Total W	ell Depth:	50-9	D	Depth to	Water:	Pre: 3 c	ocoo Post	: 30.10	
Depth to	Free Prod	luct:		Thickness	of Free P	roduct (fe	eet):		
Reference	ed to:	EV.	Grade	Flow Cell	Туре:		Y \$\frac{9}{55}6		1
Purge Metl Sampling M Flow Rate:	Method:	2" Grund Dedicated		,oQ	Peristaltic New Tubin Pump Dept	=	Bladder Pump Other		<b>⊶</b>
Time	Temp.	рН	Cond. (mS or uS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or 📆)	Depth to water	
1309	25.85	7125	2020	24	0133	-272.2	600	30.00	2000
1312	24.10	7,21	2063	61	0128	-3001	1200	30.00	٤,
1315	24,18	7,28	2032	37	0,31	-3087	1800	30,10	~(
1318	26:22	7,30	1992	26	0,23	-309.2	2400	30,10	~(
1321	2633	7,33	1979	23	0,26	-307.4	3000	3010	4
13:24	24,35	7,35	1970	20	0,23	-303,6	3600	30,16	ų
1327	26,39	7,40	1948	19	0,20	-3013	4200	30,10	
									ļ 
Did well d	ewater?	Yes	<b>(</b> 0)		Amount a	ctually ev	/acuated: ∀2	-0 mL	
ampling	Time: 13	30					-123/07		
ample I.I	).: WW	- SF -	1		Laborator	y:	Alpha Ana ytical		
nalyzed i	for: (	PIg TP	Histip VOO's	MBE		Other: $ au$	for As		
auipment	Blank I.F.	):64	@ Time \\	400 ]	Dunlicate	ID· Sa			

		LUW.	FLOW W	IVIUIV	IIUKIN	GUAIA	SHEEL		
Project	#: 0902	23 -	TRI	Client:		KM	EP Norwall	(	
Sample	r: 42			Start Date	: 2/23	109			
Well I.I	).: MW -	SF-	(	Well Diar	neter: 2	3 4	O 6 8 _		
Total W	ell Depth:	44050	>	Depth to	Water:	Pre: 30	, ay Post	•	1
Depth to	Free Prod	luct:		Thickness	of Free P	roduct (fe	eet):		1
Referen		(VC)	Grade	Flow Cell			YSI 556		-
Purge Met Sampling l	Method:	2" Grund Dedicated	-	0	Peristaltic New Tubin Pump Dept	•	Bladder Pump Other		
Time	Temp.	рН	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or pfL)	Depth to water	
403	24,90	6.95	1473	23	2,00	-113,3	600	31.00	താ മ
1404	25111	6182	1510	20	2107	-125,2	1200	31,02	11
1409	25.40	6160	1536	20	1071	-120,3	(%0 <i>0</i>	31103	M
1412	25,52	W153	15પન	19	1.62	-119.3	2400	31104	* (
1415	25.55	6157	1555	20	1,47	-114,4	3000	31104	13
1418	25,60	७७७०	1559	19	1,45	-112.0	3600	31105	<b>\1</b>
Did well o	lewater?	Yes	MO T		Amount a	ctually ev	vacuated: 34	20026	
Sampling	Time: 14'	20	<b>*</b>		Sampling	Date: 2	-123109		
ample I.I	O.: MW	-SF-4		-	Laborator	y: ,	Alpha Analytical		
nalyzed	for:	r <b>eh</b> g te	App voos	MTBE		Other:	BA		
quipmen	t Blank I.E	).: EB-	1 @ 14	40	Duplicate	I.D.:			

		LUW	FLOW W	CTT IAIOIA	VIIURIN	GDAIA	SHEET	
Project	#: 000	223 -	TRI	Client:		KM	EP Norwall	(
Sampler	TR			Start Date	e: 2/2	1/09		
Well I.D	).: PZ-	-5		Well Dia	meter: 2	3 (4	68_	
Total W	ell Depth:	33.03	•	Depth to	Water:	Pre: 25	Si25 Post	: 25,58
Depth to	Free Proc	luct:		Thickness	of Free I	Product (fe	eet):	
Referenc	ced to:	₹₩	Grade	Flow Cell			YST 55%	
Purge Metl Sampling N Flow Rate:	Method:	2" Grund Dedicated	-	9	Peristaltic New Tubi Pump Dep	•	Bladder Pump Other	
Time	Temp.	pН	Cond. (mS or as)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mb)	Depth to wate
1202	21,37	7,17	3005	હવ	298	-51.3	le 00	25.50
1205	21154	7,16	3040	51	1.00	-35(3	1200	25.53
1208	21,60	7,11	3053	42	2131	-31,2	1800	25.55
1211	21,67	7.09	3064	37	0.76	-23,6	2400	25.54
1214	2469	9,04	3073	'3 <i>o</i>	0170	-29.9	3000	25.57
217	21145	7,03	3075	29	0 ، لو ع	-30.3	3600	25.57
220	されして	7.03	3078	2 لو	१७,७५	- 31.3	4200	25.58
id well d	ewater?	Yes ]	KO)		Amount a	ctually ev	acuated: الح	0021
ampling [	Γime:	225					24/09	•
ample I.D	).: PZ-	- 5			Laborator	y: A	Alpha Analytical	
nalyzed f	or:	DHg D	Hfp VOCs			Other: T		
quipment	Blank I.D		@ Time			I.D.: 🗪		

		<u>LOW</u>	FLOW WI	ELL MON	ITORING	<u>G DATA</u>	SHEET	
Project a	#: 0902	123 -	re 1	Client:		KM	EP Norwalk	(
Sampler	: Tr			Start Date	e: 2/23	109		
Well I.D	).: WCW	-3		Well Dian	meter: 2	3 4	) 6 8	
Total W	ell Depth:	Soist	3	Depth to	Water:	Pre: Le	oato Post	: 28.27
Depth to	Free Prod	luct:		Thickness	of Free P	roduct (fe	eet):	
Reference	ced to:	RVS	Grade	Flow Cell	Type:		Y\$1536	
Purge Metl Sampling N Flow Rate:	Method:	2" Grundi Dedicated	*		Peristaltic I	•	Bladder Pump Other	
Time	Temp.		Cond. (mS or (13)		D.O. (mg/L)	ORP (mV)	Water Removed (gals. or nD)	Depth to water
0938	20.63	7,34	3206	4	210	44,2	650	28,21
०७५।	21,21	7.32	3284	مراز	2,49	५५, 8	1200	28,22
०६५५	21,66	7,33	3303	3	1,90	47.1	1800	20,24
6847	21,70	7,32	3312	3	1,64	47,9	2400	28,24
095 o	21,73	7132	3315	3	1156	49.0	3000	28125
0853	21,76	7132	415E	4	1,46	48,0	3600	29,27
		1				:		
·								
Did well o	lewater?	Yes	MO)		Amount a	ctually ev	vacuated: 34	o o onl
Sampling	Time: 2	23/0	n F 0855	5	Sampling	Date: 2	123/09	
Sample I.I	D.: MCV	<u>N-3</u>			Laborator	y:	Alpha Analytical	
Analyzed	for:	PHg TP	Hfp WC's	MTBE		Offer: T	3A	
quipment	t Blank I.D	).:	@ Time	•	Duplicate	I.D.:		

		LOW	FLOW W	ELL MON	<b>ITORIN</b>	G DATA	SHEET	
Project	#: 9902	23-7	re 1	Client:		KM	EP Norwalk	(
Sample	: TR			Start Date	: 2/2-	1/09		
Well I.I	).: W CV	2-7		Well Diar	neter: 2	3 (4	) 6 8	
Total W	ell Depth:	51,5	O	Depth to	Water:	Pre: 2 9	Post:	23.37
Depth to	Free Prod	luct:		Thickness	of Free P	roduct (fe	eet):	
Reference	ced to:	PVG	Grade	Flow Cell	Type:		YS( 55)6	
Purge Metl Sampling N Flow Rate:	Method:	2" Grund Dedicated	•	5	Peristaltic I New Tubin Pump Dept	•	Bladder Pump Other	
Time	Temp.	рН	Cond. (mS okus)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or n(L))	Depth to water
1250	20137	6,39	3276	20	1155	143,4	600	28,80
0757	21,04	6.93	3374	20	1,94	11015	1200	28182
0 6 Be	21,13	7,02	3435	24	2,24	94.0	1800	28.82
0803	21,20	7,09	3440	13	1,58	81.4	2400	28,85
6904	21,23	7,03	3445	20	1,46	73,4	3000	28,34
চ ক্র ব	21,28	7:10	3449	20	1,40	74.3	3/400	29,87
· · · · · · · · · · · · · · · · · · ·								
Did well c	lewater?	Yes (	70)		Amount a	ctually ev	acuated: 36	00
ampling	Time: ०१	810			Sampling	Date: 2	24 09	
ample I.I	D.: WCV	<u>V7</u>			Laborator	y: A	Alpha Analytical	
nalyzed	for:	PHg TE	Hifp VOC's	MTBE	(	Other: 78	A.	
quipment	Blank I.E	).:	@ Time		Duplicate	I.D.:		

		LOW	FLOW WI	ELL MON	ITORING	G DATA	SHEET	
Project #	#: 0902	23 - Tr	2	Client:		KM	EP Norwalk	
Sampler	: TVC			Start Date	: 2/23	109	· .	
Well I.D	).: NCW	-13		Well Dian	neter: 2	3 (4	<u> </u>	
Total W	ell Depth:	60,4	9	Depth to V	Water:	Pre: 2-9	(65 Post:	29.84
Depth to	Free Prod	uct:		Thickness	of Free P	roduct (fe	eet):	
Reference	ed to:	PVC)	Grade	Flow Cell	Type:		Y <b>S</b> [556	·
Purge Meth Sampling N	Method:	2" Grundi Dedicated		15	Peristaltic I New Tubin Pump Dept	g	Bladder Pump Other	
	T	7		l	T	T	T T	T
Time	Temp.	рН	Cond. (mS or <sub>(</sub> \textbf{\textit{Ti}}\textbf{S})	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or inl)	Depth to water
0748	19.31	7,57	2449	147	1101	8°€ ₹7	600	29.80
0751	19164	7:104	2513	124	0191	470	1200	29181
อาร4	20,09	סרור	2530	۹4 -	୭ମ୫	3315	1900	29183
0757	20133	7,71	2538	82	200	ાવાન	2430	29184
D 850	20,40	7,72	2540	70	0192	tov3	3000	29,85
n953	20,46	7:75	८८३८	le le	0.43	%5	3600	29135
0804	20.51	7178	2545	63	ರಿ.ಇ.	્રવ	4200	29186
0809	20153	7,80	2552	58	0.95	७१७	4800	29.36
Did well	dewater?	Yes	<u> </u>		Amount a	ctually e	vacuated: 🤜 🗞	00mL
Sampling	Time: 09	515			Sampling	Date: つ	123/07	
Sample I.l	D.: WCV	1-13		*	Laborator	y:	Alpha Analytical	
Analyzed	for:	TPHg TP		MUBE		OBD: TO	Con.	_
Equipmen	ıt Blank I.I	D.:	@ Time		Duplicate	I.D.:		

LAB SAMPLE # シジショ TIME COC / of 2 2:23:09 CONDITION DATE DATE DATE Thandat Phyu and Shiow-Whei Chou STATUS Standard 510 Superior Ave. Suite 200 Vewport Beach, CA 92663 1100 Town and CountryRd. Kinder Morgan GX-190 AMEC Geomatrix, Inc. ADD'L INFORMATION Orange CA 95112 RESULTS NEEDED Billing Information NO LATER THAN Kinder Morgan Report to: RECEIVED BY RECEIVED BY CONDUCT ANALYSIS TO DETECT COOLER # TIME SENT (32.3) qìH9T M2108 A93 TIME X TIME X X TIME X X Į X X, X EPA 8260B VOC's, TBA, MTBE X χ У X ۲ V × Х EPA 8015M TPHg y X X × K X X X TICHNINE 1680 ROGERS AVENUE SAN JOSE, CALIFORNIA 95112-1105 FAX (408) 573-7771 PHONE (408) 573-0555 \$ 七つか 704 1987 100 N 8 207 792 \$0\$ 202 CONTAINERS Preservation | Type ACL して出 JOK MCC ノッナ インサ 子に ノッサ 子にて 上土 上上 15306 Norwalk Blvd, Norwalk PERFORMED BY ف و 9 9 و ٨ و و ڰ ی SAMPLING MATRIX AQ= Vater A O L Ø 4 Ø Z A \$ 4 ð 1440 Ped 142 3 Ag Kinder Morgan 1330 0655 2,23,09/02/13 1305 004 1210 1135 TIME っせい TIME Norwalk TECH SERVICES, INC. 2.23.4 DATE DATE CHAIN OF CUSTODY 5-0-MH MCW-13 HI-C-MWH ナーといいろと ピーろいる 5-0-MM15 EXP-S GMW-0-1 ELEASED BY ELEASED BY ELEASED BY COMPLETED SAMPLE I.D. HIPPED VIA 1-dad E 13 - 1 SAMPLING CLIENT SITE

LAB SAMPLE# 1070 TIME Alpha Analytical COC Z of Z 7-22-07 CONDITION DATE DATE DATE Thandat Phyu and Shiow-Whei Chou Standard STATUS AMEC Geomatrix, Inc. 510 Superior Ave. Suite 200 Newport Beach, CA 92663 1100 Town and CountryRd. Orange CA 95112 Kinder Morgan GX-190 ADD'L INFORMATION Billing Information: RESULTS NEEDED NO LATER THAN Kinder Morgan Report to: RECEIVED BY CONDUCT ANALYSIS TO DETECT COOLER# TIME SENT SHSI TIME TIME TIME EPA 8260B VOC's, TBA, MTBE EPA 8015M TPHg, TPHre ¥ PERFORMED BY TIRHUNGS 1680 ROGERS AVENUE SAN JOSE, CALIFORNIA 95112-1105 FAX (408) 573-7771 PHONE (408) 573-0555 \$ CONTAINERS Preservation | Type 日のし 15306 Norwalk Blvd, Norwalk و SAMPLING MATRIX A Q AQ= VVater Kinder Morgan ことかり TIME 2,23.410700 TIME Norwalk TECH SERVICES, INC. 2-23-21 DATE DATE CHAIN OF CUSTODY ELEASED BY ELEASED BY OMPLETED ELEASED BY SAMPLE I.D. HIPPED VIA 1-21 MPLING CLIENT SITE

1530 LAB SAMPLE # TIME TIME ŏ かっ、トマンス CONDITION Alpha Analytical COC 1 DATE DATE DATE Thandat Phyu and Shiow-Whei Chou STATUS Standard AMEC Geomatrix, Inc. 510 Superior Ave. Suite 200 Newport Beach, CA 92663 1100 Town and CountryRd. Kinder Morgan GX-190 ADD'L INFORMATION Billing Information: Kinder Morgan RESULTS NEEDED NO LATER THAN Orange CA 95112 Report to: RECEIVED BY RECEIVED BY CONDUCT ANALYSIS TO DETECT COOLER# TIME SENT TIME TIME EPA 8260B VOC's, TBA, >**BATM** ン Х × > Х χ X STATE F EPA 8015M TPHg, TPHfp X × ¥ X X 4 1680 ROGERS AVENUE SAN JOSE, CALIFORNIA 95112-1105 PHONE (408) 573-0555 FAX (408) 573-7771 Sop CONTAINERS Preservation Type しかと 15306 Norwalk Blvd, Norwalk PERFORMED BY 5 و SAMPLING MATRIX =QA Water পু ∡{ Kinder Morgan SSIDE 9910 COTI 1330 1225 91100 2.24.09 04.30 125 1035 34 30 TIME TIME 1 Norwalk H SERVICES, INC. PO. 42. 2. DATE DATE OF CUSTODY -5F-25-3 Ŋ ( SED BY SED BY SED BY 4 D VIA ETED 7 M E.D. 7 (/) 3

LAB SAMPLE # TIME (530 Calscience <u>02174</u>08 DATE 2124109 CONDITION DATE Thandat Phyu and Shiow-Whei Chou B STATUS Standard AMEC Geomatrix, Inc. 510 Superior Ave. Suite 200 Newport Beach, CA 92663 1100 Town and CountryRd. Kinder Morgan GX-190 ADD'L INFORMATION RESULTS NEEDED NO LATER THAN Billing Information: Orange CA 95112 Kinder Morgan Report to: RECEIVED BY CONDUCT ANALYSIS TO DETECT COOLER# TIME SENT  $\cap$ 1630 TIME 1S'3 TIME **MTBE** ,A8T EPA 8260B VOC's, T. RACING S EPA 8015M TPHg, TPHfp 1680 ROGERS AVENUE FAX (408) 573-7771 PHONE (408) 573-0555 SAN JOSE, CALIFORNIA 95112-1105 Preservation Type CONTAINERS 15306 Norwalk Blvd, Norwalk PERFORMED BY # SAMPLING MATRIX AQ≃ Water 0 Kinder Morgan 2,24,00 14Q 1225 TIME TIME Norwalk TECH SERVICES, INC. かっている DATE DATE CHAIN OF CUSTODY ELEASED BY ELEASED BY ELEASED BY N OMPLETED HIPPED VIA AMPLE 1.D. AMPLING ļ CLIENT 2 SITE

# WELLHEAD INSPECTION CHECKLIST

		- · · ·							Page of _	
Client KA	rep		- months do a constant of the				Date	2/2	3/09	
Site Address	15302	e Nok	LWALK	Pow	0-1	2012 1	upa	K		
Job Number	09027	23 -Tr	۲ ا			Tech	nician	TR		
Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
WCW-13	X	Y	×							
wcw-3	٨	χ.	×							
EXP-5			×							
GH10-0-3	ベ	メ	`×`							
G MM-0-Z	×	ゃ	メ							
Gmn-0-1	X	×	$\times$							
wcw-7	*	×	~							
GMW-0-14			<b>&gt;</b> ⁄							
ium-sf- 4	×									
EXP-2	X									
exp-1	X									
EXP-3					·					
GMW-36										
P2-5	X	X	X							
NW-SF1	×									
5 WW-W-0-	×		,							
NOTES:	······································	·····			EX(	7-2,	1,3	· 2 - ·	TONOPY F	JE 2
			0 BOUTS					- ( 77)	* 1 · Y +	
<u> </u>	ed (77)	<del>- +</del>	マント10 ×70	~ 1 P is in	act 7	( Salar O	TI PE	- 5 3.5.		
	50W-	36 -	TINGER 2"X2"	200	~VVT -	. % <u>e</u>	0 Px	17 PU -	-TVOVIS	
	7,0		······································		- •	( 45	130C		·	

BLAINE TECH SERVICES, INC.

SAN JOSE SACRAMENTO 6 mw - 0-15 - VANT.

LOS ANGELES SAN DIEGO

# TEST EQUIPMENT CALIBRATION LOG

PROJECT NAI	PROJECT NAME KMEY @ Norwalk	orwalk		PRO IECT NI II	Noco Acces		
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT RFADING	EQUIPMENT CALIBRATED TO:	/ 	
155	J+02510-50	2/23/09	21 'Hd	ار کر کر کر ای کر کر کر کر اگر کر	7,00	I EIVIP.	INITIALS 72
			Ec: 3900	2890	3000	(ما د	ž
			ORP 1237,5	0.88.2	237. 6	20,02	77
f	-d	_t,	p, EUT , e,0	99.4%	99.50	20°C	7.7
451 556	050520AK	2/24/09	5 H & C. J.	2,1 c/ 9,6c/ 4,20	00.01	5.53	122
			ec 13400	3679	3400	251	£ 2
			or Pizyy	240.3	2441.0	150	Z Z
			בייר וסיס	97.3%	94,6%	2,51	TR