

APPENDIX D

FIELD LOGS AND SAMPLING DETAILS



FIELD LOGS



GROUNDWATER SAMPLING DATA SHEETS



SAMPLER: NORA KOCTING
(PRINTED NAME)

720 Olive Way, Suite 1900 Seattle, Washington 98101

		ME: 8th		_						LID: C				
SITE	ADDRE	SS: 7400	8th Ave	S, Se	attle W	A 98109					1W-1-	201412	15	
					,				DUI	P ID:				
WIN	D FRO		NE	E	SE	S	SW	W	NW	LIGHT		DIUM		HEAVY
W	EATHE	R: SUI	VNY	PRTLY	CLOUDY	etc	UDY	R	AIN	TEMPE	RATURE:	1	* Tircle appropri	٥ (
HYD	ROLOG	Y/LEVEL	MEAS	UREM	IENTS	(Nearest 0.01	ft)		[Product Thic	ckness] [W	ater Column		[Wate	r Column x Gal/ft]
Da	ite	Time	DT-B	ottom	DT-	Product	DT-Wa	ater	DTP-D7	rw D	TB-DTW		Vo	olume (gal)
12/1	5/14/1	7:47	16	91			4.	45		8	.46	X 1		. 38
1	1		150			517			-		A. Carlo	Х3	4	. 14
Gal/ft =	(dia./2) ² x 0.	163 1" =	0.041	2" =	0.163	3" =	0.367	4" =	0.653	6" = 1.46	9 10"=	4.080	12"=	5.875
METH	ODS: (A) Wa	erra (B) Perista	altic Pump (C	C) Disposal	ble Bailer	Sampled via: (1) Low-flow (2)	Purged 3 cas	ing volumes		let recover, and s	ampled		.10
GRO	JNDWA	TER SA	MPLIN	G DA	ГА					San	ple Depth:			(√ if used)
Bottle	Type	Date	Ti	me	Method	Amour	nt & Volume	mL		ative (circle)	Ice	Filter	pH	√
00 mL	HDPE \	2115/14	18	31			500 n	ıL	Н	NO3	YES	NO		V
00 mL	HDPE	2/15/14	18	31			500 п	ıL	H	NO3	YES	YES		V
00 mL	AG	15/14	18	:31		4	500 m	ıL	N	lone	YES	NO		V
10 mL v	rial	115/14	14	3		3	40 m	L	I	ICI	YES	NO		V
g OJ F		215/14	18	:31		1	500 n	ıL	N	lone	YES	NO		V
250mL	polys \	215/14	14	:31		1	250 m	ıL	N	lone	YES	NO /		V
250mL	polys \	715/14	16	: >		1	250 m	ıL	N	Ione /	YES	Yes		1
T. AG	N.	215/14	16	:31		2	11		K	lone/	YES	\NO/		V
4		Total Bottles	(include	duplicat	te count);	14								
7		LE TYPE					(Circle application)							
ved rpe	500 mL I		_			(Ag) (As) (Be	(Cd) (Cr) (C	u) (Hg) (N	i) (Pb) (Sb)	(Se) (TI) (Zn	(Ba)			
Allov e Ty	500 mL A		(PAHs)	(TPH-D)),									
ysis	40 mL via		((TDS)	(Chloric	(e)									
Analysis Allowed per Bottle Type	250 mL p		(LL Hg)											
	1L AG		(PCBs)											
WAT	ER QUA	LITY DA	TA	Purge	Start Tin	ne: 18:	05			Depth of	tubing (ft bt	oc):		
Meas.	Time	Cum.	Volume	DTW(f	ft bTOC)	рН	Turbidity (NTU)	E Conc	in.5/cm)	Temp °C	DO (mg/L)	ORP	THE WORLD	iter Quality lor, Clarity)
1	18:1		8	8	.62	691	43,2	7.8	18	11 .45	8,13	-97.5	de	cloudy,
2	18:14	1 2	.7	8	.78	6.78	25,0	7,8	71	11.50	8,05	-96,5		Yellowish
3	18:1	7 3	6	8	.67	6.67	20,1	7.8	71	11.51	7.70	-97.1		600
4	18:2	0 4.	5	8	.67	6.67	13.7	7,90	18	11.50	7.91	98.7		
5	18:2	3 5.	4	8	.67	6.50	8,89	7,9	31	11.57	8.71	-99,6		
6	18:2	5 6	3	8	.67	6.46	8,17	7.9	50	11.55	8.16	-9913		1
	18:3		2	8	.67	6.61	27.9	7,91	07	11.58	7,86	99,5	l	/
7						247		14				14.70		
7	-:-					- 4								
_								VK						
8														
8											-			
8 9 10	:					2 - 1							(Clarity, C	



SAMPLER:

(PRINTED NAME)

720 Olive Way, Suite 1900 Seattle, Washington 98101

	ECT NAM								WELI	ID:	MW-	2		
SITE A	ADDRESS	: 7400	8th Ave	e S, Sea	attle WA	98109		5			1W-0	2-121	219	
									DUI	ID:				
WIN	D FROM:	N	NE	E	(SE)	S	SW	W	NW	(IGHT)		DIUM		HEAVY
W	EATHER:	SUN	NY	PRTLY (CLOUDY	CLO	UDY	RA	IN	TEMPEI	RATURE:		14	
HYDI	ROLOGY/	LEVEL	MEAS	UREM	ENTS	Vearest 0.01	ft)		Product Thic	kness) [Wa	ter Column		Circle appropri	riate units! er Column x Gal/ft]
Da		Time		ottom		roduct	DT-Wa	ter	DTP-D7	rw D1	B-DTW		Vo	olume (gal)
12/15		:46	14	0.				02) made			X1		
12/1-	1	· 10	10		-		- 11 -	_			-	Х3	-	
0.100	(1) (m)2 (m)2 (m)		0.041	2" =	0.163	3" =	0.367	4"=	0.653	6" = 1.469	10" =	4.080	12" =	5.875
	(dia./2) ² x 0.163 DDS: (A) Waterra			1000			1) Low-flow (2)		China Ann	(3) Purged dry, le	11.72		12 -	3.073
	JNDWAT					sampled via.	1) LOW-HOW (2)	ruiged 5 casin	g volumes		ole Depth:	15	1	[√if used]
						A STANDARD		- T	D			1	-11	V
Bottle		Date			Method	Amour	nt & Volume	_	_	stive [circle]	Ice	Filter	pН	
500 mL l	12	15/14	18	:30	B	/	/500 m	+ +	_	NO3	YES	/NO\		-1/
500 mL l	HDPE /	1	25.73	:/	1	/-	500 m	L	ł H	VO3	YES	YES		_/_
500 mL	AG /	11		1		4	500 m	L	N	one	YES	NO	1	1
40 mL vi	ial ,	1		:	1 (27	3	40 m		I	ICI	YES	NO	/==1	V
Lg OJ H	IDPE /	1			1	1	500 m	L	N	one	YES	NO	1:	V
250mL p	oolys	V	7	:		/	250 m	L	N	one	YES	NO	1	1
250mL p		//	7710	.)	7/5	1	250 m	L	N	one	YES	Yes	- 14	1
'T. AG		11	1	1	V	2	1L		-	one	YES	NO		Trac
-110	Tot	al Bottles	(include	dunliant	e countly	141	- (/	1)	V	0	1	-
	BOTTLE			0- 471			E (Circle applica	ble or write n	on-standare	l analysis below	<i>'</i>)			
70	500 mL HDI			_			(Cd) (Cr) (C							
W %	500 mL AG	_		A STATE OF THE PARTY OF THE PAR	_	4 -7 4								
Typ	500 mL AG		(PAHs)	TPH-D										
is Allow	40 mL vial		(PAHs)	_										
alysis Allow r Bottle Typ			(VOCs)	_										
7	40 mL vial Lg OJ HDPE 250 mL poly		(VOCs) (TDS) (LL Hg)	(Chloride										
	40 mL vial Lg OJ HDPF 250 mL poly 1L AG	s ((VOCs) (TDS) (LL Hg) (FCBs)	(Chloride	e))								- 1	
	40 mL vial Lg OJ HDPE 250 mL poly	s ((VOCs) (TDS) (LL Hg) (FCBs)	(Chloride		e: 17:	54			Depth of tu	ibing (ft bto	oc): <i>j S</i>		ater Disalto
	40 mL vial Lg OJ HDPF 250 mL poly 1L AG	s ((VOCs) (TDS) (LL Hg) (FCBs)	(Chloride	Start Time	pН	Turbidity (NTU)	E Cond	(μS/cm)	Temp °C	DO (mg/L)	ORP	Wa	ater Quality olor, Clarity)
WATE	40 mL vial Lg OJ HDPB 250 mL poly 1L AG ER QUALI	s ((VOCs) (TDS) (LL Hg) (FCBs)	(Chloride	e)) Start Time	pН	Turbidity	E Cond	(μS/cm)	Temp °C		ORP	(Co	olor, Clarity)
WATE	40 mL vial Lg OJ HDPB 250 mL poly 1L AG ER QUALI	s ((VOCs) (TDS) (LL Hg) (FCBs)	(Chloride	e) Start Time	pН	Turbidity (NTU)		(μS/cm) 90	Temp °C	DO (mg/L)	ORP	(Co	olor, Clarity)
WATE Meas.	40 mL vial Lg OJ HDPE 250 mL poly 1L AG ER QUALI Time /8:02	TY DA	(VOCs) (TDS) (LL Hg) (FCBs)	(Chloride	e) Start Time	pH 7.12	Turbidity (NTU) 7-27	36	(μS/cm) 90	Temp °C	DO (mg/L)	ORP 51.4	(Co	olor, Clarity)
Meas. 1 2 3	40 mL vial Lg OJ HDPP 250 mL poly 1L AG ER QUALI Time	TY DA Cum. V 1, 2 2, 4	(VOCs) (TDS) (IL Hg) (FCBs) TA Volume	(Chloride	6tart Time t bTOC) . 42	pH .7.12 7.30	Turbidity (NTU) 7-27	36 398 397	(μS/cm) 90 74	Temp °C	DO (mg/L) 9.39 9.03 8.95	ORP 51.4 43.7 41.5	(Co	olor, Clarity)
WATE Meas. 1 2 3 4	40 mL vial Lg OJ HDPE 250 mL poly 1L AG ER QUALI Time 18:02 18:06	TY DA Cum. 1 1,2 2,4 3,6 4,8	(VOCs) (IDS) (IL Hg) (PCBs) TA Volume	(Chloride	Start Tim t bTOC) . 42 . 48 . 48	pH 7.12 7.30 7.46 7.57	Turbidity (NTU) 7-27 8-29 7-25 4-25	36 398 397 405	(µS/cm) 90 74 74	Temp °C 9.9 9.8 9.8 9.7	DO (mg/L) 9.39 9.03 8.95 8.96	ORP 51.4 43.7 41.5 40.7	(Co	olor, Clarity) () co/o// 1)
Meas. 1 2 3 4 5	40 mL vial Lg OJ HDPE 250 mL poly 1L AG ER QUALI Time 18:02 18:00 18:10	TY DA Cum. \ 1, 2 2, 4 3, 6 4, 8 6, 7	(VOCs) (IDS) (IL Hg) (FCBs) TA Volume	Purge S DTW(fi	Start Time t bTOC) · 42 · 48 · 48 · 49 · 48	pH 7.12 7.30 7.46 7.57	Turbidity (NTU) 7-27	36 398 397 405	(μS/cm) 90 34 74 52	Temp °C 9.9 9.8 9.8 9.7	DO (mg/L) 9.39 9.03 8.95 8.96 8.77	ORP 51.4 43.7 41.5 40.7 41.1	(Co	olor, Clarity)
WATE Meas. 1 2 3 4 5 6	40 mL vial Lg OJ HDPP 250 mL poly 1L AG ER QUALI Time 18:02 18:10 18:14 19:18	TY DA Cum. \ 1, 2 2, 4 3, 6 4, 8 6, 7	(VOCs) (IDS) (IL Hg) (PCBs) TA Volume	Purge S DTW(fi	Start Tim t bTOC) . 42 . 48 . 48	pH 7.12 7.30 7.46 7.57	Turbidity (NTU) 7-27 8-29 7-25 4-25	36 398 397 405	(μS/cm) 90 34 74 52	Temp °C 9.9 9.8 9.8 9.7	DO (mg/L) 9.39 9.03 8.95 8.96	ORP 51.4 43.7 41.5 40.7	(Co	olor, Clarity) () co/o// 1)
WATE Meas. 1 2 3 4 5 6 7	40 mL vial Lg OJ HDPE 250 mL poly 1L AG ER QUALI Time 18:02 18:06 18:10 18:14 19:18	TY DA Cum. \ 1, 2 2, 4 3, 6 4, 8 6, 7	(VOCs) (IDS) (IL Hg) (FCBs) TA Volume	Purge S DTW(fi	Start Time t bTOC) · 42 · 48 · 48 · 49 · 48	pH 7.12 7.30 7.46 7.57	Turbidity (NTU) 7-27 8-29 7-25 4-25	36 398 397 405	(μS/cm) 90 34 74 52	Temp °C 9.9 9.8 9.8 9.7	DO (mg/L) 9.39 9.03 8.95 8.96 8.77	ORP 51.4 43.7 41.5 40.7 41.1	(Co	olor, Clarity) () co/o// 1)
Meas. 1 2 3 4 5 6 7 8	40 mL vial Lg OJ HDPE 250 mL poly 1L AG ER QUALI Time	TY DA Cum. \ 1, 2 2, 4 3, 6 4, 8 6, 7	(VOCs) (IDS) (IL Hg) (FCBs) TA Volume	Purge S DTW(fi	Start Time t bTOC) · 42 · 48 · 48 · 49 · 48	pH 7.12 7.30 7.46 7.57	Turbidity (NTU) 7-27 8-29 7-25 4-25	36 398 397 405	(μS/cm) 90 34 74 52	Temp °C 9.99 9.89 9.7 9.7 9.8	DO (mg/L) 9.39 9.03 8.95 8.96 8.77	ORP 51.4 43.7 41.5 40.7 41.1	(Co	olor, Clarity) () co/o// 1)
WATE Meas. 1 2 3 4 5 6 7 8	40 mL vial Lg OJ HDPP 250 mL poly 1L AG ER QUALI Time 18:02 18:10 18:14 19:18	TY DA Cum. \ 1, 2 2, 4 3, 6 4, 8 6, 7	(VOCs) (IDS) (IL Hg) (FCBs) TA Volume	Purge S DTW(fi	Start Time t bTOC) · 42 · 48 · 48 · 49 · 48	pH 7.12 7.30 7.46 7.57	Turbidity (NTU) 7-27 8-29 7-25 4-25	36 398 397 405	(μS/cm) 90 34 74 52	Temp °C 9.9 9.8 9.8 9.7	DO (mg/L) 9.39 9.03 8.95 8.96 8.77	ORP 51.4 43.7 41.5 40.7 41.1	(Co	olor, Clarity) () co/o// 1)
WATE Meas. 1 2 3 4 5 6 7 8 9 10	40 mL vial Lg OJ HDPE 250 mL poly 1L AG ER QUALI Time	TY DA Cum. \ 1, 2 2, 4 3, 6 4, 8 6, 7	(VOCs) (IDS) (IL Hg) (FCBs) TA Volume	Purge S DTW(fi	Start Tim t bTOC) . 42 . 48 . 48 . 49 . 49 . 48	pH 7.12 7.30 7.46 7.57 7.61 7.63	Turbidity (NTU) 7.27 8.29 7.25 4.25	36 398 397 405	(μS/cm) 90 34 74 52	Temp °C 9.99 9.89 9.7 9.7 9.8	DO (mg/L) 9.39 9.03 8.95 8.96 8.77	ORP 51.4 43.7 41.5 40.7 41.1	(Co	olor, Clarity) () co/o// 1)
WATE Meas. 1 2 3 4 5 6 7 8	40 mL vial Lg OJ HDPP 250 mL poly 1L AG ER QUALI Time 18:02 18:10 18:14 19:18	TY DA Cum. \ 1, 2 2, 4 3, 6 4, 8 6, 7	(VOCs) (IDS) (IL Hg) (FCBs) TA Volume	Purge S DTW(fi	Start Time t bTOC) . 42 . 48 . 48 . 49 . 48	pH 7.12 7.30 7.46 7.57 7.61 7.63	Turbidity (NTU) 7.27 8.29 7.25 4.25	36 398 397 405	(μS/cm) 90 34 74 52	Temp °C 9.9 9.8 9.7 9.7 9.8	DO (mg/L) 9.39 9.03 8.95 8.96 8.77	ORP 51.4 43.7 41.5 40.7 41.1	(Co	olor, Clarity) () color 1)
WATE Meas. 1 2 3 4 5 6 7 8 9 10	40 mL vial Lg OJ HDPE 250 mL poly 1L AG ER QUALI Time 18:02 18:06 18:10 18:14 18:14	TY DA Cum. V 1,2 2.4 3.6 4.8 6.7	(VOCs) (IDS) (IL Hg) (FCBs) TA Volume	Purge S DTW(fi	Start Time t bTOC) . 42 . 48 . 49 . 49 . 48	pH 7.12 7.30 7.46 7.57 7.61 7.63	Turbidity (NTU) 7.27 8.29 7.25 4.25	36 398 397 405	(μS/cm) 90 34 74 52	Temp °C 9.9 9.8 9.7 9.7 9.8	DO (mg/L) 9.39 9.03 8.95 8.96 8.77	ORP 51.4 43.7 41.5 40.7 41.1	(Co	olor, Clarity) () () () () () () () () ()



720 Olive Way, Suite 1900 Seattle, Washington 98101 (206) 287-9131

4000		1 972-	474		Dec.							7		0.	(206) 287-913
						nals, Ir				ELL ID:		2619	-	CN	
SITE	ADDR	ESS:	7400 8	8th Ave	e S, Sea	attle W.	A 98109			PLE ID:		MW-	3-20	11115	18
								1		UP ID:	7.3		-		UME THE
	D FRO	_	N	NE	E	SE	S	CSW	W NW		GHT		DIUM		HEAVY
W	EATH	ER:	SUN	INY	PRTLY	CLOUDY	CLO	UDY	RAIN)	TE	MPER	RATURE:		· Circle appror	° C
HYDI	ROLO	GY/LI	EVEL	MEAS	UREM	ENTS	Nearest 0.01	ft)	[Product	Thickness	[Wat	er Column]			er Column x Gal/ft)
Da	ite	Tir	ne	DT-B	ottom	DT-	Product	DT-Wa	ter DTP	-DTW	DT	B-DTW		V	olume (gal)
12/15	6/14	19:	40	17	. 0	100	مند	12 .	0		4	. 4	X 1		0.72
1	1			St	1		eries .						Х3		2.15
Gal/ft = ((dia./2)2 x	0.163	1"=	0.041	2" =	0.163	3"=	0.367	4" = 0.653	6"=	1.469	10" =	4.080	12" =	5.875
§ METHO	DDS: (A) V	Vaterra (l	3) Peristal	tie Pump (C) Disposal	ole Bailer	Sampled via: (1) Low-flow (2)	Purged 3 casing volum	ies (3) Purg	ed dry, let	recover, and sa	mpled		
GROU	JNDW	ATE	SAN	APLIN	G DA	ГА					Samp	ole Depth:			[√ if used]
Bottle	Type	Da	te	Tù	me	Method	Amour	it & Volume	mL Pres	ervative	circle)	Ice	Filter	pН	V
500 mL	HDPE	12/18	3/14	20	: 20	B	- 10 V	500 m	L.	HNO3		YES	NO		
500 mL		/1	1	100		1	1	500 m	L	HNO3		YES	YES		
500 mL	AG	,	1				u	500 m	L	None		YES	NO		-
40 mL v		/	1				3	40 ml		HCI		YES	NO		
Lg OJ H		-/-	1	_		3	1	500 m		None		YES	NO	-	_
250mL p		-	/				- 1	250 m		None		YES	NO		
-	200	- 1	1				1	250 m		None		YES	Yes		
250mL p	porys	- /	1	1		4	2	1 L		None	-	YES	NO		
T, AG		14	7	7	e de la constant		10000	T L		None		163	110		
	ll no	Total		(include			POTTLETYPE	(Cirala annlia	ble or write non-star	daed analy	cie halaw	Λ.			
70 -	500 mL		re						(Hg) (Ni) (Pb)		5-3-22-5-3				
ower	500 mL			(PAHs)			(1.8) (1.5) (5.c)	/ (==/ (=-/ (=	y (=-B) (=-y) (=-y)	3-7.1	A. A. S.				
All	40 mL			(VOCs)		•									
alysis r Bo	Lg OJ I	IDPE		(TDS)	(Chloric	le)									
Analysis Allowed per Bottle Type	250 mL	polys		(LL Hg)										2	
	1L AG			(PCBs)											
WATI	ER QU	ALIT	Y DA	TA	Purge :	Start Tin	ne: 19:	40	0.34min	Dept	th of tu	bing (ft bto	c):	W	ater Quality
Meas.	Tin	ne (Zum.	70lume	DTW(f	t bTOC)	pН	Turbidity (NTU)	E Cond (µ8/cr			DO (mg/L)	ORP	Maria 1992	olor, Clarity)
1_	19:		11	5	12	.9	7.20	52.2	4.134	12	.98	9.01	-529	Slightly	wholsh clark
2	19:	50	3.	0	12		7.25	22.6	4,206	13	.16	8.57	-823	1245	71
3	101:	54	4.	2	12	0	7.20	7.87	4.203	13	.23	8.30	-887	Most	y clear
4	19:	58	5.	4	12		7.19	4.40	4.146	13	.30	7.86	-98,2		10
5	20:0		Co.	6	12	. 1	7.18	2.41	4.064	13	.31	7.70	-999		U
6		06	_	8	12		7.18	1,35	3.986	13	.33	8.07	-101.7		tr.
7	20:		9.		12		7.17	1.07	3.941		.32	6.96	-1040		u
8	700:	200	9.		12		7 .15	1.00	3.913		.34	7.02	-100.1		ч
9			10:		1.50	1	7.14	0.80	3.889		.35	6.95	-1010		61
10	20:		10.	0	12			0.00	7.00	1.0	4 =	0.15			
11							*								
	:						, V								
12	1		gallen-	or liters]										(Clarity,	Color
Turbi	dity be			e colle		NTU):	0.8	0	Turbi	dity afte	er sam	ple collec	tion (NTI		39
Comme		2	.34	gal	10.8	LA	imped 1		mple			, /	/		
		- 1	1-	mou		id N	2 7 00	PO(15		- 1-1	-	1,1	/		
SAMI	PLER:			run !	Men	Lug 1	L		7.	U	U	1411			
		(PRINT)	ED NAM	(E)		3			(SIGNAT	URE)		W			



720 Olive Way, Suite 1900 Seattle, Washington 98101 (206) 287-9131

-			n Avenue 00 8th Av						SAMPLI	E ID:	CA	1W-4	-1718/	4	
, III.	IDDRE	7. 740	O CHI IIV	c 0, 0c.	attic 111	170107				P ID:	7	CIVY 1	100	1	
WIN	D FROM	4: N	I NE	E	SE	S	SW	W	NW	(LIGI	HT	MED	NUI		HEAVY
	EATHE		UNNY		CLOUDY		UDY		AIN)	1		ATURE:	0F) 48		0 (
		-	T. L.	70000		A TOTAL			-			er Column)		Tircle approp	riate units! er Column x Gal/ft]
				ottom		Nearest 0.01 Product	ft) DT-Wa	tor	Product This			B-DTW			olume (gal)
Da	7	Time		Ottom			12.4		DII-D	LVV	5	.92	X1	-	0.96
11/1	3/14/2	0:21	18	• 7			10.	0		-		.70	X3	,	2 09
/	/	1			1			- SW	0.750	20		10" =	4.080	12" =	5.875
	dia./2) ² x 0.1		1000	2"=	0.163	3" =	0,367	4" =	0.653		1.469	recover, and sa	D. L. W. W. W.	12 =	5.875
7	The factor of the	The state of the s	A MDI IN			Sampled via:	1) Low-now (2)	rurged 5 Ca	sing volumes	-	-	le Depth:	inpicu		[v if used]
	1		AMPLIN	me		Amoun	nt & Volume	mI	Preserva	_	_	Ice Ice	Filter	pН	4
Bottle		Date		10	Method	Antour				NO3	ciej	YES	NO	Pri	*
00 mL	-	2118/1	1 21	:10	BI		500 m			Annual Comment		YES	YES		
00 mL	. 77	1 1		:			500 m			NO3	_	1 - 000	- 100		
00 mL		1 /		:			500 m			lone		YES	NO		
0 mL v		11		1	-		40 m			-ICI		YES	NO		
g OJ H	DPE	11		1			500 m			Ione		YES	NO		
250mL p	olys	11			1,27		250 m	L	N	Ione		YES	NO		
50mL p	oolys	11		V			250 m	L	N	lone		YES	Yes		
'LAG		11	V	:	V		11		N	lone		YES	NO		
		Total Bot	tles (include			Controlled.	S-								
		LE TYPE					(Circle applica								
wed	500 mL H		_	_		(Ag) (As) (Be	(Cd) (Cr) (C	u) (Hg) (f	Ni) (Pb) (Sb)	(Se) (11)	(Zn)	(Ba)			
Allo le T	500 mL A 40 mL via		(VOCs	(TPH-E	D			_							
Analysis Allowed per Bottle Type	Lg OJ HE			(Chloric	le)										
Ana	250 mL p		(LL He												
	1L AG		(PCBs)	>											
WATI	ER QUA	LITY	DATA	Purge :	Start Tim	ne: 20 : 1	20			Depth	of tu	bing (ft bto	oc):	127	ater Quality
Meas.	Time		n. Volume				Turbidity (NTU)		d (μS/cm)			DO (mg/L)	ORP	(Co	olor, Clarity)
1	20 2	3 1	35	12	.81	7.40	11.12	132	22	11 .	9	6,06	16,4	Clea	r, cdones
2	20:21		17		.74	7.39	10.94	135	38	il .	9	5132	21.2		
3	20:2		.05	12	.85	7.40	8,31	135		12.	0	5,28	21.9		
4	20:3		140	12	.86	7.40	11.16	135	188	11 .	9	4.89	23.1		
5	70 :3	_	175	12	.82	7.40	11.04	13	585	12.	O	4.59	24.1		
6	20:3	-	.10	12-	.85	7.41	15,24	13	577	12,	0	4.55	25.2		
7	20:4	7 1000	.45	12	.87	7.41	17.90	13	523	-	0	451	26.7		
8	20:4		80	112	.92	7.4	9.47	12	528	-	0	4,41	27,3		
9	20:4		.15	17.	.92	7.41	8:73		499	12.	(4.37	28,3		
10	20:5	15	(,)	17-	.94	7.42	4.58		501	12.	1	4.34	29.0		
11	40.3			1			1.00					F 40			
12													, = =		
-		[gall	ons or liters		,	S. 140		-						[Clarity,	Color
			nple coll		NITTIN.	4.5	X		Turbidit	v after	cam	nle colle	tion (NTI	11. 7	38

SAMPLER:

(PRINTED NAME) DUNG LAFRON

Kille Con



(PRINTED NAME)

720 Olive Way, Suite 1900 Seattle, Washington 98101 (206) 287-9131

PROIE	CTN	AME:	8th A	venue	Termi	nals, In	c.			WELL	ID:	CMV	V-5		(200) 201 110
						ttle WA				SAMPLE	ID: C		5-122	2201	4
										DUP	ID:				
WINI	D FRO	OM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MED			HEAVY
W	EATH	ER:	SUN	NY I	PRTLY	LOUDY	CLOU	JDN	1	RAIN	TEMPER	ATURE:	°F 50	ircle appropri	° C
HYDR	ROLO	GY/LI	EVEL	MEASI	UREM	ENTS (Nearest 0.01 f	1)		[Product Thic	kness] [Wate	r Column]		[Wate	r Column x Gal/ft]
Dat		Tir		DT-Bo			Product	DT-Wa	iter	DTP-DT	W DTI	B-DTW		V	olume (gal)
1212	7/14	71 :	20	ENA.	48		***	13.	48		6	. 11	X 1	0	.99
1	1	:		19.	59_								Х3	2	.98
Gal/ft = (c	dia./2) ² x	0.163	1"=	0.041	(2" = "	0.163	3" =	0.367	4" =	0.653	6" = 1.469	10" =	4.080	12" =	5,875
				tic-Pump (C			Sampled via: 📢	Low-flow (2)	Purged 3 o	casing volumes	(3) Purged dry, let		mpled	-	[v if used]
GROU	INDW	ATEI	SAN	IPLIN	G DAT	A						le Depth:	este.	- TT	
Bottle	Туре	Da	ite	Tir		Method	Amoun	& Volume	mL	-	ative (circle)	Ice	Filter	pН	V
500 mL I	HDPE	1212	2/14	10 :	05	B	1	500 m	_		NO3	YES	NO	-	
500 mL I	HDPE	1	1	- 1 - :		1111		500 m			NO3	YES	YES		
500 mL	AG	1	1				4	500 m	_		one	YES	NO		
40 mL v	ial	1	1	-12			3	40 m	L		ICI	YES	NO		
Lg OJ H	DPE	-1	1	2 10				500 m	ıL		one	YES	NO		
250mL.p	oolys	1	1					250 n	nL .		lone	YES	NO	- 21	
250mL p	oolys	1	1				1	250 n	-		lone	YES	Yes		
'L AG		1	1	+	. 7	4	2	11		N	lone	YES	NO		
		Total	Bottles	(include			14								
		TTLET									d analysis below				
wed		L HDPE					(Ag) (As) (Be)	(Ca) (Cr) (C	u) (rig)	(NI) (FB) (SB)	(Se) (T1) (Zn)	(Da)			
Allo le T	500 ml 40 mL			(VOCs)	(TPH-D	')									
lysis Bott		HDPE		(TDS)	(Chloric	ie)									
Analysis Allowed per Bottle Type	_	L polys		(LL Hg)											
	1L AC			(PCBs)						21 1	14 - 14 - 17			- D	la_
WATI	ER QU	JALIT	Y DA	TA	Purge	Start Tin	ne: 21 : '	2 13	0.2	1.0	Depth of tu	bing (ft bto	oc):		ater Quality
Meas.	Ti	me	Cum.	−) Volume	DTW(ft bTOC)	рН	Turbidity (NTU)	E Co	nd (µS/cm)	Temp °C	DO (mg/L)	ORP	(C	olor, Clarity)
1	2	29			12	104	7.28	3.93	0	.494	15.69	2.04	61.4	most	y clear
2	21:	35	3		13	.73	6.17	2.58	0	493	15.89	1.10	40.8		1/4
3	21	38		75		.82	6.05	3236		494	16.02	0.94	20,3	-	4
4	21	:41	U	,50	13	.95	6.12	1,43	_	501	16.13	0.75	4.0		11
5	1	:45	5	,50	14	.01	6.21	1.58	_	503	16.15	0.74	-6.0		1,
6		:49	6	50	14	.05	6.40	1.65	_	502	16.17	0.68	-13.9		11
7	111	:53		50	14	.12	6.60	1.81	01	497	16.19	0.62	-22,9		t.r
8	121	:57		50	14	. 23	6.73	2.37		188	16.16	0.58	-29.0		11
9	10	:07		75	14	.37	6.69	2,23	0.	487	16.30	0.51	-33.1	1	1.1
10	100	:				7 6					476				
11															
12	+	4									A				
-				s or liters			7.7.7	7		San Bridge					, Color)
Turbi	idity b	efore	samp	le colle	ection	(NTU):	2.23	,		Turbidi	ty after san	iple colle	ction (NTI): ().	72
Comm	ents:	Ve	ny	sof	+ 6	otto	m					1	1,		
											- /;	1	11		

	IILLL	OTTIVIT	_
A & ANCHOR			
ANCHOR OEA SEE			

SAMPLER:

Musiensen

720 Olive Way, Suite 1900 Seattle, Washington 98101

	ECT N	AME	: 8th A	venue	Term	inals, Ir	ıc.			WELI	LID:	OMW			
SITE	ADDR	ESS:	7400 8	8th Av	e S, Se	eattle W	A 98109			SAMPLI	E ID:	CW M	1-10-12	1614	
										DUI	P ID:				
WIN	D FRC	M:	N	NE	E	SE	S	SW	W	NW	LIGHT		DIUM		HEAVY
W	EATH	ER:	SUN	INY	PRTLY	CLOUDY	CLC	DUDY	R.	AIN	TEMPER	ATURE:			° (
HYDI	ROLO	GY/I	EVEL	MEAS	UREN	MENTS	Nearest 0.01	ft)		(Product Thic	kness] [Wat	er Column]		Circle approp	eriate units! er Column x Gal/ft]
Da			ime		ottom		Product	DT-Wa	ater	DTP-D7	TW DT	B-DTW		V	olume (gal)
2/14	1/14	18	: 41	20	.31			12 .0	12	944	8	.29	X1	11,	. 35
1	1	10	:							643		/ - 34	Х3	L	+ . 05
Gal/ft = (dia./2)2 x (0.163	1" =	0.041	12 =	0.163	3" =	0.367	4" =	0.653	6" = 1.469	10" =	4.080	12" =	5,875
	DDS: (A) W		_	tic Pump)	C) Dispose	able Bailer	Sampled via:	(1) Low-flow (2)	Purged 3 cas	sing volumes	(3) Purged dry, let	recover, and sa	ampled		
GROU	JNDW	ATE	RSAN	IPLIN	G DA	TA					Samp	le Depth:			[√ if used]
Bottle	Type	D	ate	Ti	me	Method	Amour	nt & Volume	mL	Preserva	ative (circle)	Ice	Filter	pН	√
00 mL		12/	6/14	19	:15	Bi	1	500 m	ıL.	н	NO3	YES	NO	15 - 8	/
00 mL		1	11	-	:	1	T	500 m	ıL	Н	NO3	YES	YES	1223	V
00 mL	AG	1	1		:		4	500 m	ıL.	N	one	YES	NO		V
0 mL v	ial	1	1				3	40 m	L	F	ICI	YES	NO		- /
g OJ H	DPE	1	1 =		:	R 12		500 m	ıL	N	one	YES	NO		~
50mL p		1	1	-	:		10	250 m	ıL.	N	one	YES	NO	1	V
50mL p		1	1	_			21-2	250 m	ıL.	N	one	YES	Yes		~
T. AG			1	- 1		1	2	11		N	one	YES	NO		/
_		Tota	l Bottles	(include	duplica	ite count):	it		-						
	вот	TLET					BOTTLE TYPI	E (Circle applica	able or write	e non-standard	d analysis below)			
D 00	500 mL	HDP	G	Consultan	Inc. 1	7.0	26 6 24 1 200	1 10 h 10 1 10							
0 0				_			(Ag) (As) (Be	e) (Cd) (Cr) (C	u) (Hg) (N	li) (Pb) (Sb)	(Se) (TI) (Zn)	(Ba)			
Allowe Type	500 mL	AG		(PAHS)	(TPH-I		(Ag) (As) (Be	e) (Cd) (Cr) (C	u) (Hg) (N	li) (Pb) (Sb)	(Se) (TI) (Zn)	(Ba)			
sis Allowe Bottle Type	500 mL 40 mL v	AG rial		(PAHs)	(TPH-I	9)	(Ag) (As) (Be	e) (Cd) (Cr) (C	u) (Hg) (N	li) (Pb) (Sb)	(Se) (TI) (Zn)	(Ba)			
Analysis Allowe per Bottle Type	500 mL 40 mL v Lg OJ F	AG rial HDPE		(VOCs)	(TPH-I	9)	(Ag) (As) (Be	e) (Cd) (Cr) (C	u) (Hg) (N	Ni) (Pb) (Sb)	(Se) (TI) (Zn)	(Ba) >			
Analysis Allowe per Bottle Type	500 mL 40 mL v	AG rial HDPE polys		(PAHs) (VOCs) (TDS)) (LL Hg)	(TPH-I	9)	(Ag) (As) (Be	a) (Cd) (Cr) (C	u) (Hg) (N	II) (Pb) (Sb)	(Se) (TI) (Zn)	(Ba) >			
Analysis Allowed per Bottle Type	500 mL 40 mL v Lg OJ F 250 mL 1L AG	AG rial HDPE polys		(PAHS) (VOCs) (TDS) (LL Hg) (PCBs)	(TPH-I	9)			îu) (Hg) (N	II) (Pb) (Sb)	(Se) (TI) (Zn) Depth of tu		oc):		
VATI	500 mL 40 mL v Lg OJ F 250 mL	AG rial HDPE polys	TY DA	(PAHS) (VOCs) (TDS) (LL Hg) (PCBs)	(TPH-I	de)			li se i	ii) (Pb) (Sb)		bing (ft bto			ater Quality olor, Clarity)
VATI	500 mL 40 mL v Lg OJ F 250 mL 1L AG ER QU	AG vial HDPE polys ALIT	TY DA	(PAHS) (VOCs) (TDS) (LL Hg) (PCBs)	(TPH-I	de) Start Tin	ne: 4 :1	Turbidity	li se i	d (μS/cm)	Depth of tu	bing (ft bto	ORP	(Co	
VATI Meas.	500 mL 40 mL v Lg OJ F 250 mL 1L AG	AG rial HDPE polys ALIT	TY DA	(PAHS) (VOCs) (TDS) (LL Hg) (PCBs) TA	(TPH-I	de) Start Tin	ne: g :1	Turbidity (NTU)	E Conc	d (μS/cm)	Depth of tu Temp °C 12 .47 12 .58	bing (ft bto DO (mg/L) 8,54 3,45	ORP	(Co	olor, Clarity)
VATI Meas.	500 mL 40 mL v Lg OJ F 250 mL 1L AG R QU	AG rial HDPE polys ALIT ne	TY DA'	(PAHS) (VOCs) (TDS)) (LL Hg) (PCBs) TA	Purge DTW(de) Start Tim ft bTOC)	ne: g : 1 pH 7 . 47	Turbidity (NTU)	E Cond	d (μ5/cm) 93	Depth of tu Temp °C 12 .47 12 .58 12 .65	bing (ft btc DO (mg/L) 3,54 3,45 8,26	ORP	(Co	olor, Clarity)
WATI Meas. 1	500 mL 40 mL v Lg OJ F 250 mL 1L AG Tim	AG vial HDPE polys ALIT ne	Cum. V	(PAHS) (VOCS) (TDS)) (LL Hg) (PCBs) TA	Purge DTW(12 12 12	Start Tim ft bTOC) .52	pH 7.47	Turbidity (NTU) 4.74 3.11	E Conc	d (μS/cm) 93 32	Depth of tu Temp °C 12 .47 12 .58 12 .65	bing (ft bto DO (mg/L) 8,54 3,45	ORP -10 3,3 -10 7,2	(Co	olor, Clarity)
Meas. 1 2 3	500 mL 40 mL v Lg OJ F 250 mL 1L AG ER QU. Tim 18 : 1	AG vial HDPE polys ALIT ne SU SSU VOO	Cum. V	(PAHS) (VOCS) (TDS)) (LL Hg) (PCBs) TA	Purge DTW(12 12 12	Start Tin ft bTOC) .52 .61 .74	pH 7.47 7.50	11 Turbidity (NTU) 4,74 3,11 2,29	E Conc	d (μS/cm) 93 32 44/123	Depth of tu Temp °C 12 .47 12 .58 12 .65	bing (ft btc DO (mg/L) 3,54 3,45 8,26	ORP -10 3,3 -10 7,2 -108,1	(Co	olor, Clarity)
Meas. 1 2 3 4	500 mL 40 mL v Lg OJ F 250 mL 1L AG Tim 18 : 1 19 : 0	AG vial HDPE polys ALIT ne SU SSU VOO	Cum. V	(PAHS) (VOCS) (TDS)) (LL Hg) (PCBs) TA	Purge DTW(12 12 12	Start Tim ft bTOC) .52 .61 .74	pH 7.47 7.50 7.50 7.50	11 Turbidity (NTU) 4,74 3,11 2,29	E Conc	d (μS/cm) 93 32 44/123	Depth of tu Temp °C 12 .47 12 .58 12 .65	bing (ft btc DO (mg/L) 3,54 3,45 8,26	ORP -10 3,3 -10 7, 2 -108, 1	(Co	olor, Clarity)
WATI Meas. 1 2 3 4 5	500 mL 40 mL v Lg OJ F 250 mL 1L AG ER QU. Tim 18 :1 19 :0	AG vial HDPE polys ALIT ne SU SSU VOO	Cum. V	(PAHS) (VOCS) (TDS)) (LL Hg) (PCBs) TA	Purge DTW(12 12 12	Start Tim ft bTOC) .5 2 .6 1 .74 .81	pH 7.47 7.50 7.50	11 Turbidity (NTU) 4,74 3,11 2,29	E Conc	d (μS/cm) 93 32 44/123	Depth of tu Temp °C 12 .47 12 .58 12 .65	bing (ft btc DO (mg/L) 3,54 3,45 8,26	ORP -10 3,3 -10 7, 2 -108, 1	(Co	olor, Clarity)
Meas. 1 2 3 4 5	500 mL 40 mL v Lg OJ F 250 mL 1L AG ER QU. Tim 18 : 19 : 0 19 : 0	AG vial HDPE polys ALIT ne SU SSU VOO	Cum. V	(PAHS) (VOCS) (TDS)) (LL Hg) (PCBs) TA	Purge DTW(12 12 12	Start Tim ft bTOC) .5 2 .6 1 .74 .81	pH 7.47 7.50 7.50	11 Turbidity (NTU) 4,74 3,11 2,29	E Conc	d (μS/cm) 93 32 44/123	Depth of tu Temp °C 12 .47 12 .58 12 .65	bing (ft btc DO (mg/L) 3,54 3,45 8,26	ORP -10 3,3 -10 7, 2 -108, 1	(Co	olor, Clarity)
Meas. 1 2 3 4 5 6 7	500 mL 40 mL v Lg OJ F 250 mL 1L AG R QU. Tim 18 : 19 : 0 : :	AG vial HDPE polys ALIT ne SU SSU VOO	Cum. V	(PAHS) (VOCS) (TDS)) (LL Hg) (PCBs) TA	Purge DTW(12 12 12	Start Tim ft bTOC) .5 2 .6 1 .74 .81	pH 7.47 7.50 7.50 7.50	11 Turbidity (NTU) 4,74 3,11 2,29	E Conc	d (μS/cm) 93 32 44/123	Depth of tu Temp °C 12 .47 12 .58 12 .65 (2 . 63	bing (ft btc DO (mg/L) 3,54 3,45 8,26	ORP -10 3,3 -10 7, 2 -108, 1	(Co	olor, Clarity)
Meas. 1 2 3 4 5 6 7 8	500 mL 40 mL v Lg OJ F 250 mL 1L AG ER QU. Tim 18 : 1 19 : 0 : :	AG AG AG AG AG AG AG ALIT AG AC	Cum. V	(PAHS) (VOCS) (TDS)) (LL Hg) (PCBs) TA	Purge DTW(12 12 12	Start Tim ft bTOC) .52 .61 .74 .81	pH 7.47 7.50 7.50 7.50	11 Turbidity (NTU) 4,74 3,11 2,29	E Conc	d (μS/cm) 93 32 44/123	Depth of tu Temp °C 12 .47 12 .58 12 .65 (2 . 63	bing (ft btc DO (mg/L) 3,54 3,45 8,26	ORP -10 3,3 -10 7, 2 -108, 1	(Co	olor, Clarity)
Meas. 1 2 3 4 5 6 7 8 9	500 mL v Lg OJ F 250 mL 1L AG ER QU Tim 8 : 1	AG AG AG AG AG AG AG ALIT AG AC	Cum. V	(PAHS) (VOCS) (TDS)) (LL Hg) (PCBs) TA	Purge DTW(12 12 12	Start Tim ft bTOC) .52 .61 .74 .81 .	pH 7.47 7.50 7.50 7.50	11 Turbidity (NTU) 4,74 3,11 2,29	E Conc	d (μS/cm) 93 32 44/123	Depth of tu Temp °C 12 .47 12 .58 12 .65 (2 . 63	bing (ft btc DO (mg/L) 3,54 3,45 8,26	ORP -10 3,3 -10 7, 2 -108, 1	(Co	olor, Clarity)



SAMPLER:

(PRINTED NAME)

720 Olive Way, Suite 1900 Seattle, Washington 98101

PROJE	ECT NAM	E: 8th /	venue	Termi	nals, In	c.				.ID: CW				
SITE A	DDRESS	S: 7400	8th Ave	S, Sea	attle WA	98109		7			1W-7-3	1014121	6	
									DUI					
	D FROM:		NE	E	SE	S	SW	W	NW	LIGHT		DIUM		HEAVY
W	EATHER:	SUN	INY	PRTLY C	CLOUDY	CLO	UDY	R	AIN	TEMPE	RATURE:		· Tircle annrons	0
HYDI	ROLOGY	LEVEL	MEAS	UREM	ENTS (Nearest 0.01	ft)		[Product Thic	kness] [Wa	ter Column)		[Water	Column x Gal/ft
Da		Time	DT-B			Product	DT-Wa	ter	DTP-D7	W D	B-DTW		Vo	lume (gal)
12411	0/14/18	:30	19.	45	1	444	13.	09		16	.76	X1		.10
1	1	1.				-0-			140/		- 101	Х3	3	. 30
3al/ft = (dia./2) ² x 0.163	1"=	0.041	2"=	0.163	3" =	0.367	4"=	0.653	6" = 1.469	10" =	4.080	12" =	5.875
METHO	DS: (A) Waterr	a (B) Perista	itic Pump (C	C) Disposat	de Bailer	Sampled via: (I) Low-flow (2)	Purged 3 cas	ing volumes	(3) Purged dry, k	t recover, and sa	mpled		
ROL	INDWAT	ER SA	MPLIN	G DAT	ГА					Sam	ple Depth:		-	[√if used]
Bottle	Туре	Date	Tir	ne	Method	Amour	t & Volume	mL	Preserva	tive [circle]	Ice	Filter	pH	V
00 mL	HDPE 12	16/14	18:	:49			.500 m	C.	H	VO3 \	YES	NO'\	-	1
00 mL		116/14	_	49			500 m	L	/ HI	NO3	YES	YES	والصوا	1
00 mL		16/14		49	real.	H	500 m	L	N	one	YES	NO		V
0 mL v		16/14		49		3	40 ml		I-	ICI	YES	NO		/
g OJ H		4/11/1		: 45		1	500 m	L	N	one	YES	NO		
50mL p	-	1/0/14		49		= 1	250 m	L	N	one /	YES	NO	= 7	1/
50mL p	-	16/14	18:	Labor		-0	250 m	L	N	one /	YES /	Yes /	5.	1/
AG		16/14	14 :	49		2	1 L		\.N	one	YES	\ NO/		
-		tal Bottles		1	e count):	14								
	BOTTLE					BOTTLE TYPE	(Circle applica	ble or write	non-standard	i analysis belov	v)			
g ag	500 mL HD	PE (Total an	d Dissolv	ed Metals:	(Ag) (As) (Be	(Cd) (Cr) (C	u) (Hg) (N	i) (Pb) (Sb)	(Se) (Tl) (Zn)	(Ba)			
Typ	500 mL AG		(PAHs)	(TPH-D	7									
sis A	40 mL vial		(VOCs)											
Analysis Allowed per Bottle Type	Lg OJ HDP	_	((TDS)	(Chlorid	le)									
A a	250 mL poly	ys	(PCBs)											
VATI	R QUAL	ITV DA		Purgo	Start Tim	e: 18 :	31			Depth of to	abing (ft bto	oc):		
VALI	I QUAL	III DA	IA	ruige.	Start Till	. 13	Turbidity		mS/cm	Departor	T T		Wa	ter Quality
	Time	Cum.	Volume	DTW(f	t bTOC)	pН	(NTU)	E Cond	l (μS /cm)	Temp °C	DO (mg/L)	ORP	(Co	lor, Clarity)
Meas.		1 7	11	13	. 15	6.96	9,94	4.3	36	13.24	6,80	-17,2	dens	
Meas.	14:27	1	7		-				7.	17 70	6.04	-15.8	15	
	18:40	_	8		.15	6.80	6.09	3,9	16	13.39	6,0	1 -1 -4		
1	18:40	3	0	13	. 15		6.09	3,9	16 77		_	-14.0		
1 2	18:40	3 4		13	. 15	6.72	6,02	3,7	16 77		5,68			
1 2 3 4	18:40	3 4	2	13		6.72		3.7	16 77 11	13.50	_	-14.0		
1 2 3 4 5	18:40 18:43 18:46	3 4	2	13	· 15 · 16	6.72	6,02	3.7	16 77 11	13.57	5,68	-14.0		
1 2 3 4 5	18:40 18:43 18:46	3 4	2	13	· 15 · 16 ·	6.72	2,98	3.7	16	13.57	5,68	-14.0		
1 2 3 4 5 6	18:40 18:43 18:46 :	3 4	2	13	· !5 · 6 ·	6.72	6,02	3.7	16	13.57	5,68	-14.0		
1 2 3 4 5 6 7 8	18:40	3 4	2	13	· !5 · 6 ·	6.72	2,98	3.7	16	13.57	5,68	-14.0		
1 2 3 4 5 6 7 8	18:40	3 4	2	13	· 15 · 16 ·	6.72	2,98	3.7	16	13.50	5,68	-14.0		
2 3 4 5 6 7 8 9	18:40	3 4	2	13	· !5 · 6 ·	6.72	2,98	3.7	16 17 11	13.50	5,68	-14.0		
1 2 3 4 5 6 7 8	18:40	3 4	2	13	· 15 · 16 ·	6.72	2,98	3.7	16 17 11	13.50	5,68	-14.0		



(PRINTED NAME)

SAMPLER:

720 Olive Way, Suite 1900 Seattle, Washington 98101 (206) 287-9131

PROTE	CT N	AME	: 8th A	venue	Termi	nals, In	c.			WEL	LID: DW	WZ			
				_		ttle W				SAMPL	EID: DW		2014121	6	
71121					7.0					DU	PID: DN	1W52	-2014	1216	
WIN	D FRO	ом:Г	N	NE	E	SE	S	SW	W	NW	LIGHT	MED	DIUM		HEAVY
	EATH	-	SUN		PRTLY C	LOUDY	CLOI	JDY	1	RAIN	TEMPER	ATURE:	(°F) 45		β.C
						- 7 - 8				[Product Thi	kness) (Wat	er Column)	10	Tirele annronn [Water	iate units! r Column x Gal/ft!
			me	DT-B			Nearest 0.01 f Product	DT-Wa	tor	DTP-D	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	B-DTW	1	Vo	olume (gal)
Da		_			00	DI	Todact	9.	. 1		G	.89	X 1		, 61
13/11	0/14	12	:05	19	00		***		-			. 5 (Х3	4	. 84
1	1		:	244	-	0.450	20	0.367	4" =	0.653	6" = 1,469	10" =	4.080	12" =	5.875
	dia./2) ² x		1" =	0.041	2" =	0.163	3" = ,	and the second second		and the second	(3) Purged dry, let				
			_	APLIN			Jampica via. (1) LOW-LION (L)	inges o	and themes		le Depth:			[v if used]
_			1-7		me	Method	Amoun	t & Volume	mI	Preserv	ative [circle]	Ice	Filter	pН	1
Bottle			ate			Method	Amoun	500 m	_	-	NO3	YES	/NO		/
500 mL		151	16/14		36		12	500 m		1	NO3	YES	YES		/
500 mL		191	16/14		36		12				Vone	YES	NO		
500 mL		-	10/14		:36		48	500 m			HCI	YES	NO		
40 mL v			16/14	-	:36		36	40 m				YES	NO		-
Lg OJ H	IDPE	121	14/14		:36		X O	500 m			Vone		NO NO		
250mL p	polys	191	14/19	_	:36		12	250 m			None	YES			-
250mL p	polys	121	10/10	12	:36		12	250 m	L	1	None /	YES /	Yes		-
'L AG		121	16/14	12	:36	0 ± 1	24	11			Vone	YES/	NO/		V
		Tota	d Bottles	(include			K138			WT - W-C (0-04)	Landau to to	v.		_	
		TTLE									rd analysis below				
wed /pe	500 ml		E		(TPH-E	_	(Ag) (As) (Be)	(Ca) (Cr) (C	u) (rig)	(N1) (P0) (30)	(Se) (TI) (Zn)	(ba)			
Allo le T	500 ml			(VOCs)											
Analysis Allowed per Bottle Type	Lg OJ			(TDS)	(Chloric	de)									
Anal		L polys		(LL Hg											
ان کا	1L AC			(PCBs)											
WAT	ER QU	JALI	TY DA	TA	Purge	Start Tir	ne: 12:			20.0	Depth of to	ibing (ft bt	oc):	ı w	ater Quality
Meas.	Tin	me	Cum.	Volume	DTW(ft bTOC	pН	Turbidity (NTU)		mS/cm) and (µS/em)	Temp °C	DO (mg/L)		(Co	olor, Clarity)
1	13	:14	- 1	5	9	.01	6.13	10.2	0.	410	15.31	12.10	-71.3	vello	wish
2		:18	2.	7	9	.01	6.31	7,06	0.	370	15.39	3,88	-99.9	Bmall	particulates
3	-	:22	3.	9	9	.01	6.35	4.13	0.	358	15.47				1
4	_	:26	5.	1	d	.01	6.38	3,23	0.	2417	15.50	3.58	-114.9		1
5		:30	(0.	3	q	.01	6.38	2.47	03	H5	15.56	3.24	-117,6		
6	_	:34	7	5	9	.01	6.38	2.50	0	342	15.54	2.63	-118.1		
7	1	1	-11	7				- 1	1						
8	+								7=						
9	-							KNL	14.						
10	-	:	-					101			15				
11	-	:					5.00								
					1										
12		•	Igallon	s or liters	1	•			-			1		[Clarity,	Color
m 1	idity l	pefor				(NTU):				Turbidi	ty after sar	nple colle	ection (NT	U):	
Lurp															



720 Olive Way, Suite 1900 Seattle, Washington 98101

KOJI	CT NA	ME: 8th	Avenue	Termi	nals, In	c.			WELI	-	1W-3	1		
ITE A	DDRES	SS: 7400	8th Av	e S, Sea	attle WA	98109			SAMPLI		4W-3	1218	114	
					<2°				DUI	PID:	-			
WIN	D FROM	M: N	NE	E	(SE	5	SW	W	NW	LIGHT	MED			HEAVY
W	EATHE	R: SU	NNY	PRTLY	CLOUDY	CLOI	JDY	R	AIN)	TEMPEI	RATURE:			°C
HVDI	OLOG	V/I EVE	MEAG	SUREM	ENTS	Nearest 0.01 f	e)		[Product Thic	kness] [Wa	er Column)	16	Tircle approp	er Column x Gal/ft]
Da		Time	_	Sottom		roduct	DT-Wa	ter	DTP-D7	rw Di	B-DTW		V	olume (gal)
2/18		4:56	1	.46			8.0	74	- Jenn	10	.52	X1		.71
VIII	1911	:	111	.90			5		244			Х3	- (5.14
- /	/		0.041	Z=	0.163	3"=	0.367	4" =	0,653	6" = 1.469	10" =	4.080	12" =	5.875
	dia./2) ² x 0.1	terra (B) Peris								(3) Purged dry, le	t recover, and sar	mpled		
		TER SA									ole Depth:			[√ if used]
		Date	_	ime	Method	Amoun	t & Volume	mL	Preserv	ative (circle)	Ice	Filter	pН	1
Bottle				:45	Metrod	I	500 m			NO3	YES	NO		
500 mL		18/14	15		וע	1	500 m			NO3	YES	YES		V
500 mL		1 1	1			4	500 m			lone	YES	NO		V
500 mL		1 1	-	:	101	3				HCl	YES	NO		1
40 mL v		1 /	1	:		J	40 m			Jone	YES	NO		V
Lg OJ F	IDPE.	1/		:		-1-	500 m				YES	NO		V
250mL	polys	1/		:			250 m			Jone				V
250mL	polys	11	15.1	1		1	250 m	ıL.		lone	YES	Yes		V
' AG		WI	V	·	V	2	1 L	-3	N	lone	YES	NO		
		Tatal Daul			diameter at	22.4								
		Total bottle		e duplicat		14						_	_	
		TOTAL BOTTLE	ANALY	SIS ALLO	WED PER	BOTTLE TYPE				d analysis belov				
ved	ВОТТ 500 mL F	TLE TYPE HDPE	ANALY Total	SIS ALLO	WED PER red Metals:	BOTTLE TYPE				d analysis belov (Se) (Tl) (Zn)				
Allowed e Type	500 mL F	TLE TYPE HDPE AG	ANALY Total a	SIS ALLO and Dissolv	WED PER red Metals:	BOTTLE TYPE								
sis Allowed Bottle Type	500 mL F 500 mL A 40 mL vi	TLE TYPE HDPE AG al	ANALY Total : (PAH:	SIS ALLO and Dissolv (TPH-D	wed Metals:	BOTTLE TYPE								
Analysis Allowed per Bottle Type	500 mL F 500 mL A 40 mL via Lg OJ HI	TLE TYPE HDPE AG al DPE	ANALY Total a (PAH: (VOC)	SIS ALLO and Dissolv (TPH-L s) (Chloric	wed Metals:	BOTTLE TYPE								
Analysis Allowed per Bottle Type	500 mL F 500 mL A 40 mL vi Lg OJ HI 250 mL p	TLE TYPE HDPE AG al DPE	ANALY Rotal: (PAH: (VOC) (IDS)	SIS ALLO and Dissolv (TPH-L s) (Chloric	wed Metals:	BOTTLE TYPE								
1	500 mL F 500 mL A 40 mL vi Lg OJ HI 250 mL p 1L AG	HDPE AG al DPE polys	ANALY Total: (PAH: (VOC) (TDS) (LL H (PCBs)	SIS ALLO and Dissolv (TPH-E (Chloric	wed Per (ed Metals:	BOTTLE TYPE (Ag) (As) (Be)				(Se) (TI) (Zn)		oc):		
1	500 mL F 500 mL A 40 mL vi Lg OJ HI 250 mL p 1L AG	HETYPE HDPE AG al DPE polys	ANALY Rotal: (PAH: (VOC) (TDS) (LL H (PCBs)	SIS ALLO and Dissolv (CPH-L (Chloric Purge	wed Per (ed Metals: de)	BOTTLE TYPE (Ag) (As) (Be)	(Cd) (Cr) (C	u) (Hg) (Ni) (Pb) (Sb)	(Se) (II) (Zn) Depth of t	ubing (ft bto			ater Quality
	500 mL F 500 mL A 40 mL vi Lg OJ HI 250 mL F 1L AG Time	HETYPE HDPE AG al DPE boolys ALITY D	ANALY Total: (PAH: (VOCS) (ILH) (PCBs) ATA	SIS ALLO and Dissolv (CPH-L S) (Chloric Purge	wed Per wed Metals: O) Start Tim ft bTOC)	BOTTLE TYPE (Ag) (As) (Be)	(Cd) (Cr) (C	u) (Hg) (i	Ni) (Pb) (Sb)	(Se) (TI) (Zn) Depth of to	ubing (ft bto	ORP	(C	olor, Clarity)
WAT	500 mL F 500 mL A 40 mL vi Lg OJ HI 250 mL F 1L AG Time	HETYPE HDPE AG al DPE boolys ALITY D	ANALY Total (PAH (VOC) (IDS) (LL H (PCBs) ATA	SIS ALLO and Dissolv (TPH-L s) (Chloric Purge Purge	wed Per ed Metals: de) Start Tin ft bTOC)	BOTTLE TYPE (Ag) (As) (Be)	SU Turbidity (NTU)	E Cor	nd (μS/cm)	Depth of to	ubing (ft btc DO (mg/L)	ORP 79.0	Clean	Color, Clarity)
WAT	500 mL F 500 mL A 40 mL vi Lg OJ HI 250 mL F 1L AG Time	ALITY D Cum	ANALY Total (PAH (VOC) (IDS) (LL H (PCBs) ATA	SIS ALLO and Dissolv (TPH-L s) (Chloric Purge Purge	wed Per wed Metals: O) Start Tim ft bTOC)	BOTTLE TYPE (Ag) (As) (Be)	(Cd) (Cr) (C	E Cor	nd (μS/cm)	Depth of t Temp °C 17 .02	(Ba)	ORP 79.0	Clean	color, Clarity) (, fount yel
WAT Meas.	BOTT 500 mL F 500 mL A 40 mL vi Lg OJ HI 250 mL p IL AG Time	ALITY D Cum	ANALY Total: (PAH: (VOC) (TDS) (LLH (PCBs) ATA	SIS ALLO and Dissolv (TPH-L s) (Chloric Purge Purge	wed Per ed Metals: de) Start Tin ft bTOC)	BOTTLE TYPE (Ag) (As) (Be) THE: Y : PH S .51	(Cd) (Cr) (Cr) (Cd) (Cr) (Cr) (Cd) (Cr) (Cr) (Cr) (Cr) (Cr) (Cr) (Cr) (Cr	E Cor	nd (μS/cm) 13	Depth of to Temp °C 17 .92 14 .48	(Ba) abing (ft bto DO (mg/L) 3,40 1,52 1.12	ORP 79.0 60.7 56.1	Clean	color, Clarity) (, fount yel
Meas.	500 mL F 500 mL A 40 mL vi Lg OJ HI 250 mL p 1L AG ER QUA Time	ALITY D Cum	ANALY Total: (PAH: (POS) (IL) (PCBs) ATA Volume	SIS ALLO and Dissolv (Chloric g) (Chloric g) Purge DTW(wed Per (ed Metals: 0) Start Tin (ft bTOC)	ne: 4: pH 5.51	Sto Turbidity (NTU) 5.05 3.83	E Cor	nd (μS/cm)	Depth of t Temp °C 17 .02	(Ba) abing (ft bto DO (mg/L) 3,40 1,52 1.12	ORP 79.0 60.7 56.1 44.1	Clean	Color, Clarity) (, fount yell slight Toda
Meas. 1 2 3 4	500 mL F 500 mL A 40 mL vi Lg OJ HI 250 mL F 1L AG Time 15 : C 15 : 0	ALITY D Cum	ANALY Total: (PAH: (VOC) (TDS) (LLH (PCBs) ATA Volume	SIS ALLO and Dissolv (Chloric p) (Chloric p) Purge DTW(p) S	wed Per wed Metals: (de) Start Time fft bTOC) 93 94	BOTTLE TYPE (Ag) (As) (Be) ne: 4 ; pH 5 .57 6 .00	(Cd) (Cr) (Cr) (Cd) (Cr) (Cr) (Cd) (Cr) (Cr) (Cr) (Cr) (Cr) (Cr) (Cr) (Cr	E Cor	nd (μS/cm) 13	Depth of t Temp °C 17 .02 14 .48 14 .64 17 .72 14 .81	(Ba) bubing (ft btc DO (mg/L) 1.52 1.12 0.97	ORP 79.0 60.7 56.1 44.1 39.2	Clean	Color, Clarity) (, fount yell slight Toda
Meas. 1 2 3 4 5	500 mL F 500 mL A 40 mL vi. Lg OJ HI 250 mL p 1L AG Time 15:0 15:0 15:1	ALITY D Cum	ANALY Total: (PAH: (POCS) (IL) (PCBS) ATA . Volume	SIS ALLO and Dissolv and Dissolv (PH-L s) (Chloric g) Purge DTW(S S S S S S	Start Tin ft bTOC) 93 94 95 95	BOTTLE TYPE (Ag) (As) (Be) The: 4 1 1 1 1 1 1 1 1 1	(Cd) (Cr) (Cr) (Cd) (Cr) (Cr) (Cd) (Cr) (Cr) (Cr) (Cr) (Cr) (Cr) (Cr) (Cr	E Cor	nd (µS/cm) 13 07 05	Depth of t Temp °C 17 .02 14 .48 14 .64 17 .72	DO (mg/L) 3,40 1.52 1.12 0.97 0.88 -0,73	ORP 79.0 60.7 56.1 44.1 39.2 39.5	COLOR COLOR (SURA	color, Clarity) (, fount yet (, slight toda
Meas. 1 2 3 4 5 6	BOTT 500 mL F 500 mL A 40 mL vi. Lg OJ HI 250 mL p 1L AG Time 15 : 0 15 : 0 15 : 1 15 : 1	LITY D Cum 1 3	ANALY Total: (PAH: (VOC) (IDS) (ILH (PCBs) ATA Volume 155 5 159	SIS ALLO and Dissolve (Chloric Purge DTW(S S S S S S S S S S S S S S S S S S S	Start Tin ft bTOC) 93 94 99 95 95	BOTTLE TYPE (Ag) (As) (Be) THE: 4 : PH 5 .51 10 .00 10 .19 10 .28 10 .30	(Cd) (Cr) (Cr) (Cr) (Cr) (Cr) (Cr) (Cr) (Cr	E Cor	nd (μS/cm) 13 07 05 104	Depth of t Temp °C 17 .02 14 .48 14 .64 17 .72 14 .81	DO (mg/L) 1.52 1.12 0.97 0.88 0.73	ORP 79.0 60.7 56.1 44.1 39.2	COLOR COLOR (SURA	Color, Clarity) (, fount yell slight toak
Meas. 1 2 3 4 5 6	BOTT 500 mL F 500 mL F 40 mL vi. Lg OJ HI 250 mL F 1L AG ER QUA	LITY D Cum Cum Cum Cum Cum Cum Cum Cu	ANALY Total: (PAH: (POCS) (IL) (PCBS) ATA . Volume	SIS ALLO and Dissolv (Chloric g) (Chloric g) Purge DTW(SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	Start Tin ft bTOC) 93 94 95 95	PH 5 .51 6 .00 6 .28 6 .28 6 .29	Sb Turbidity (NTU) 5.05 3.83 3.73 3.27 2.65 5.10 2.82	E Cor	nd (µS/cm) 13 07 05 104 105 105	Depth of to Temp °C 17 .02 17 .64 17 .72 17 .91 17 .92 17 .98	(Ba) DO (mg/L) 1.52 1.12 0.97 0.88 -0.73	ORP 79.0 60.7 56.1 44.1 39.2 39.5	COLOR COLOR (SURA	color, Clarity) (, fount yet (, slight toda
Meas. 1 2 3 4 5 6 7 8	BOTT 500 mL F 500 mL F 40 mL vi Lg OJ HI 250 mL F 1L AG ER QUA Time 15:0 15:0 15:1 15:2 15:2 15:2	LITY D Cum Cum Cum Cum Cum Cum Cum Cu	ANALY Total: (PAH: (VOC) (IDS) (ILH (PCBs) ATA Volume 155 5 159	SIS ALLO and Dissolve (Chloric p) (Chloric	Start Tin ft bTOC) 93 94 95 95 95	BOTTLE TYPE (Ag) (As) (Be) The: 4 : PH 5 .51 10 .00 10 .28 10 .30 10 .29 10 .31	(Cd) (Cr) (Cr) (Cr) (Cr) (Cr) (Cr) (Cr) (Cr	E Cor	nd (μS/cm) 13 07 05 104 105	Depth of to Temp °C 17 .02 14 .48 14 .64 14 .81 14 .81 14 .92	(Ba) DO (mg/L) 1.52 1.12 0.97 0.88 -0,73	ORP 79.0 60.7 56.1 44.1 39.2 39.5 32.5	COLOR COLOR (SURA	color, Clarity) (, fount yet (, slight toda
Meas. 1 2 3 4 5 6 7 8 9	BOTT 500 mL F 500 mL F 40 mL vi. Lg OJ HI 250 mL F 1L AG Time 1.5 : 0 1.5 : 0 1.5 : 1 1.5 : 1 1.5 : 2	LITY D Cum Cum Cum Cum Cum Cum Cum Cu	ANALY Total: (PAH: (VOC) (IDS) (ILH (PCBs) ATA Volume 155 5 159	SIS ALLO and Dissolv (Chloric g) (Chloric g) Purge DTW(SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	Start Tin ft bTOC) 93 .94 .95 .95 .96	DETTLE TYPE (Ag) (As) (Be) DETTLE TYPE (Ag) (As) (Be)	Sb Turbidity (NTU) 5.05 3.83 3.73 3.27 2.65 5.10 2.82	E Cor	nd (µS/cm) 13 07 05 104 105 105	Depth of to Temp °C 17 .02 17 .64 17 .72 17 .91 17 .92 17 .98	(Ba) DO (mg/L) 1.52 1.12 0.97 0.88 -0.73	ORP 79.0 60.7 56.1 44.1 39.2 39.5 32.5	COLOR COLOR (SURA	color, Clarity) (, fount yet (, slight toda
WAT Meas. 1 2 3 4 5 6 7 8 9 10	BOTT 500 mL F 500 mL F 40 mL vi. Lg OJ HI 250 mL F 1L AG Time 1.5 : 0 15 : 0 15 : 1 15 : 2 15 : 2 15 : 2 15 : 2 15 : 2	LITY D Cum Cum Cum Cum Cum Cum Cum Cu	ANALY Total: (PAH: (VOC) (IDS) (ILH (PCBs) ATA Volume 155 5 159	SIS ALLO and Dissolv (Chloric g) (Chloric g) Purge DTW(SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	Start Tin ft bTOC) .93 .94 .95 .95 .96 .99	DETTLE TYPE (Ag) (As) (Be)	Sb Turbidity (NTU) 5.05 3.83 3.73 3.27 2.65 5.10 2.82	E Cor	nd (µS/cm) 13 07 05 104 105 105	Depth of to Temp °C 17 .02 17 .64 17 .72 17 .91 17 .92 17 .98	(Ba) DO (mg/L) 1.52 1.12 0.97 0.88 -0.73	ORP 79.0 60.7 56.1 44.1 39.2 39.5 32.5	COLOR COLOR (SURA	color, Clarity) (, fount yet (, slight toda
WAT Meas. 1 2 3 4 5 6 7 8 9	BOTT 500 mL F 500 mL F 40 mL vi. Lg OJ HI 250 mL F 1L AG Time 1.5 : 0 1.5 : 0 1.5 : 1 1.5 : 1 1.5 : 2	LITY D Cum Cum Cum Cum Cum Cum Cum Cu	ANALY Total: (PAH: (VOC) (IDS) (ILH (PCBs) ATA Volume 155 5 159	SIS ALLO and Dissolv (Chloric g) (Chloric g) Purge DTW(SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	Start Tin ft bTOC) 93 .94 .95 .95 .96	DETTLE TYPE (Ag) (As) (Be) DETTLE TYPE (Ag) (As) (Be)	Sb Turbidity (NTU) 5.05 3.83 3.73 3.27 2.65 5.10 2.82	E Cor	nd (µS/cm) 13 07 05 104 105 105	Depth of to Temp °C 17 .02 17 .64 17 .72 17 .91 17 .92 17 .98	(Ba) DO (mg/L) 1.52 1.12 0.97 0.88 -0.73	ORP 79.0 60.7 56.1 44.1 39.2 39.5 32.5	COLOR COLOR (SURA	olor, Clarity) (, fount yel (slight tode

SAMPLER: KEILE CHY ISLENSEN
(PRINTED NAME)

* >	R A	NCF	Ю	R				36-11-37	77							Way, Suite 1900
V	7 Q	NCF EA S	ü	=										Sea	ittle, Wa	shington 98101 (206) 287-9131
PROIE	CT N	AME: 8	8th A	venue '	Termi	nals, Inc	·			WELI	L ID:	0	mw-	6A		
-						ttle WA				SAMPLI	E ID:	DA	1W-6	99-	217	14
					-					DUI	P ID:					
WIN	D FRO	M:	N	NE	E	SE	(s)	SW	W	NW	(LIC	GHT	MED	DIUM		HEAVY
100000000000000000000000000000000000000	EATH		SUN		PRTLY	LOUDY	CLO	UDY	(2+ R	AIN	TE	MPER	ATURE	F) L	15	°C
1						77.7	1	4)		[Product Thic	knessl	IWate	r Column]	Ti	Tirele annrone [Wate	iate units! r Column x Gal/ft]
Da		Time		DT-Bo			roduct	DT-Wa	er	DTP-D7	-	12.2	3-DTW		Vo	olume (gal)
12/1		17:		19.	20			10 .	54.			9	.39	X 1		1.53
1211	1 19	11.	10	11.	1)				-		-	-	-	Х3		4.59
Gal/ft = (dia m² v	0.163 1	"=	0.041	2"=	0.163)	3" =	0.367	4" =	0.653	6" =	1.469	10" =	4.080	12" =	5.875
				tic Pump (C) Low-flow (2) I	urged 3 ca		(3) Purg	ed dry, let	recover, and sa	mpled	,	
		_		IPLIN									le Depth:	17		[√ if used]
Bottle		Date		Tin		Method	Amoun	t & Volume	mL	Preserv	ative	circle)	Ice	Filter	pН	×
500 mL l		12/17		18:		R	j	/500 ml		/ H	NO3		YES	NO		1
500 mL		1/1	1		i	1	1	500 m		/ Н	NO3		YES	YES		V.
500 mL			,	/		1	4	500 m		N	lone		YES	NO		/
40 mL v	12.14	1	,	1			3	40 ml		1	HCl		YES	NO		V,
Lg OJ H	_	- /	/	1.			i	500 m	L)	N	Vone		YES	NO		V
250mL p		,		1			1	250 m	L	l N	Vone		YES	NO		V,
250mL p	-	, ,					1	250 m		1	Vone		YES	Yes		Vi
AG	ollys	1	1	V	1	V	2	1L		1	None /		YES	NO		
AG		Total F	Pottlee	(include	duplicat	e count):	101		-	-				0		
	l BO	TTLE TY					SOTTLE TYPE	(Circle applica	ble or writ	e non-standar	rd analy	sis below				
200		HDPE	((Cd) (Cr) (Cı								
llowe	500 ml	. AG		(PAHs)	TPH-D)) ³										
is Al	40 mL			(VOCs))											
Analysis Allowed per Bottle Type	Lg OJ			(TDS)	(Chloric	le)										
A a	_	L polys		(LL Hg)	2											
TATATE	1L AC	TATITA	/ DA	(PCBs)	Puras	Start Tim	e: [7:	20	_	-	Dep	th of tu	bing (ft bto	oc): 1 7	1	
WAII	T	ALIT	DA	IA	ruige	Start Thi	. 11.	Turbidity								ater Quality
Meas.	Tir	ne C	um.	Volume	DTW(ft bTOC)	pН	(NTU)	E Cor	id (μS/cm)	Ter	mp °C	DO (mg/L)		(C	olor, Clarity)
1	17:	26	1.6	, 2	10	.71	7.36	46.60	34	14.0	14	1.7	0.69		Ain	nost cloar
2	17:	30	3,	22		.80	7.10	19.56	_	0-5	14	1.7	0.62	-113.6	clea	5 colorles
3	17	34	4.8	32	io	.87	6.96	11.54	29	0-3	16	1.7	056	-110,1	11	15
4		38	6.4	12	10	.92	6.92	8.87	28	8.4	1	1.7	0.46	-109.4	u	1)
5	-	42 -	8.0	2	10	.98	6.88	7.31	28	7.1	14	1.7	0.36	-108.6	п	n
6	17	411	9.0	52	11	.04	6.86	6.52	28	7.2	14	1.7	0.33	-1055	1/1	17
7	-	501	1.	22	11	.10	5.80	5.50	28	7.5	12	1.7	0-30	-99.3	41	1)
8	_	54 1	2,	88	il	.16	6.83	4.66	28		14	.7	0.29	-97.5	11	17
9		:58 1		42	11	.21	6.83	5.27	28	5.6	14	1.7	0.28	-97.2	le	1)
10																
11	1 . 1								1				1			

SAMPLER: Dovid Laffoon

[gallons or liters]

Turbidity before sample collection (NTU):

Comments:

(SIGNATURE)

Turbidity after sample collection (NTU):

[Clarity, Color] 6-88



SAMPLER:

(PRINTED NAME)

720 Olive Way, Suite 1900 Seattle, Washington 98101

					Termir						L ID:	E /*(W-15		11
ITE A	DDR	ESS:	7400 8	th Ave	S, Sea	ttle W	4 98109					nw-1	5-12	151	4-/
		_									P ID:	***	_		FR 1357
WINI	D FRC	M:	N	NE	E	SE	(5)	SW	W	NW	(LIGHT)		DIUM		HEAVY
W	EATH	ER:	SUN	NY	PRTLY C	LOUDY	CLO	UDY	R	AIN	TEMPE	RATURE:		-	p. C
IVDE	010	GV/LI	EVEL	MEAS	UREMI	ENTS	Nearest 0.01	ft)		[Product Th	ickness [W	ater Column]	10	Circle appro [Wa	ter Column x Gal/ft
Dat		Tir		DT-Bo			Product	DT-Wa	iter	DTP-D	TW D	TB-DTW		1	olume (gal)
2//5	- 1		26	13	8			7.1	15		1	1.85	X1		1.93
+	-1	12		11.	-				200	1442		-	Х3		5.79
-1/6- 7	tia./2) ² x	0.162	1"=	0.041	2"=	0.163	3"=	0.367	4" =	0.653	6" = 1.469	10" =	4.080	12" =	5.875
) Disposabl			200	Purged 3 ca	The second second	(3) Purged dry,		ampled		
		-			G DAT							ple Depth:			[√if used]
Bottle			ate	Tir		Method	Amoun	t & Volume	mL	Preserv	vative [circle]	Ice	Filter	pН	V
00 mL I	-	12 /1	_		00	13	1 -	/ 500 m	-		INO3	YES	(NO)		
00 mL I	. 7	13	1	1 1	1	1)	N2:1	500 m		1	INO3	YES	YES		/
00 mL /		-4	1	1		1	224	500 m	-	-	None	YES	NO		/
0 mL vi		- 1.	1	- 1			3	40 m			HCI	YES	NO		-1
g OJ H	-	1	1	1			1	500 m			None	YES	NO		
50mL p		-1	1	- /			',	250 m			None	YES	NO .		1/
_		-1	1			1	1	250 m			None	YES	Yes		1
L AG	olys	11	1	1	/	1	2	11	1	1	None	YES	NO /		1
LAG		V	/	V	duplicate	V	14	1.0	/				V		
	PO	TTLET					BOTTLE TYPE	(Circle applica	ble or writ	e non-standa	ırd analysis belo	w)			
77	500 mL) (Se) (T1) (Zn				
Type	500 mL			(PAHs)	-	_									
- ·	40 mL			((VOCs))										
alysi er Bo	Lg OJ I	HDPE	((TDS)	(Chloride	e))									
Pe An	250 mL		9	(LL Hg)											
5 7 00	1L AG		,	(PCBs))		10 10	57	2 N	.117	In a c	ushim a 16t he	nal 10	,/	
VATE	R QU	ALIT	Y DA	TA	Purge S	tart Tin	ne: 12 1	Turbidity	13	43	Depth of	tubing (ft bt	oc): / 8	V	Vater Quality
Meas.	Tin	ne	Cum. V	/olume	DTW(ff	bTOC)	рН	(NTU)	E Con	d (µS/cm)	Temp °C	DO (mg/L	ORP	(0	Color, Clarity)
1	12 .	7/	1	10	7	67	6.53	155.7	53	6.4	17.4	354	144	1.96	It tan cla
2	10 .	7/	11	0	8	90	644	135.4	E 27	< 0	12.4	360	10.1	11	11 1
3	-	51	7 1/	D	9	11	(ig	205.7	53	3 6	12.6	3.60	13.4	(t	11 17
		55	200	20	0	11	1 17	2744	53	2 7	12.1	3 77	190	light	Lownchi
4	12	57	2.0	0	0	16	6.53	131 %	520	7	12.1	3.40	714	11	11 11
5	14:	-	3.6	X	3	.16	1 60	1-70-0	500	7 7	12 /	3 33	24 4	11-	th it
6	15:	07	4.0	20	2	.10	6.53	111.1	5130	1 11	12 7	321	25 9	1 1	
7	13:	11	4.7	5 8	9	09	6.36	16613	52	27	10 0	3.20	25 2	light	tan cont
8	/3:	15	5.	1 2	9	111	6.5/	107.5	00	1 0	12.2	3.23	25.5		1) 1/
9	13:	17	6.0	12	7	.19	150	1000	550	2 1	12.3	3.06	1 2 2	11	11 12
10	13:	25	6.0	20	7	. []	6.5/	151.2	50	10	12.4	277	20.5	11	1111 1
11	13:	27	1.	28	7	. [6	6.57	114.0	53		12. 3	2 110	1.6	my!	ight tangle
12	13:	31	7.5	SX	1	.17	6.55	61.22	5.50	2.7	12.3	12.48	PU.1	Ta	n Tint
			Igallons	or liters]				88						U): Z	

	8	ANC	HOR
Y	4	QEA	HOR

720 Olive Way, Suite 1900 Seattle WA 98101

Office:

(206) 287-9130

Fax:

(206) 287-9131

PROJECT NAME:

8th Avenue Terminals, Inc.

WELL ID:

EMW-1

SITE ADDRESS:

7400 8th Ave S, Seattle WA 98109

BLIND ID:

EMW-15-121514

PROJECT NUMBER:

131044-01.01

DUP ID:

WAT	ER QUALITY	/ DATA	Purge Start	Time: /2	:43	Method:	Low Flow Pe	eristaltic P	ump	Pump/Bailer	Inlet Depth	1:
Time	DTW (ft)	Purge (gal)	рН		%F Temp ℃C	DO (mg/L)	ORP	TDS	Salinity	Turbidity	Wat	er Quality
1335	9-15	8.42	6.55	527.2	12.3	2.2/	-11.5			45.21	almost	clear
13:39	9.14	9.00	6.55	526.6	12.3	2.11	-16.5	-	~	29.22	1.1	1)
1343	9.14	7.60	6.54	526-6	12.3	2.07	-20.1	-	_	24.80	11	11
1347	9.14	10.22	6.56	528.1	12.3	1.99	-22.1	-	_	24.21	· ti	1,
1351	9.13	10.82	6.54	527.0	12.3	1.96	-23.4	-		26.86	13	1)
1355	9.13	11.42	6.55	529.0	12.3	2.01	-23.1	-		25.38	Li	7)
		The Total		11 5-40-1								
											100	
		4										
											100	
				T	7							
							1	1				
								1				

(Cummulative Totals)

Notes:

Sampler:

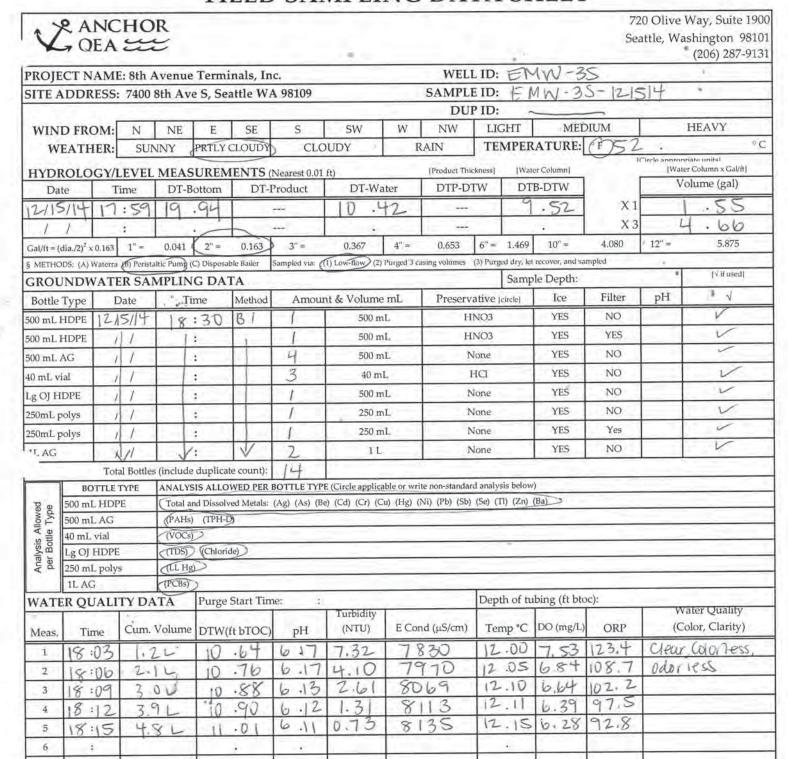
(Signature)



SAMPLER:

720 Olive Way, Suite 1900 Seattle, Washington 98101

-		_				nals, Ind attle WA			S	AMPLE	ID:	EMINI	.7.5-	171	714
1167	IDDI	LUU.	7 100 (JEH ZEV	20,000	terre 1111	. , 0.2.0,			DUP		70-11-11		1.44	
WIN	D FRO	M:	N	NE	Έ	SE	S	SW	W	NW	LIGHT	MED	IUM	7.0	HEAVY
	EATH	-	SUN	1.70	PRTLY C		CLO		RAI	N	TEMPER	ATURE:	° F		° C
				T. A. X		100			ip	roduct Thic	knossl IWat	er Column)	10	ircle appropr [Water	iate units! r Column x Gal/ft]
Da			me		ottom		Vearest 0.01 f	DT-Wa		DTP-DT		B-DTW	I		olume (gal)
		-		101	CU	DIT	roduct	6 -				.63	X 1	7	1.06
41	1/14	19	:10	1.1	.01			U .			- 1-		Х3	-	0.18
-1//1	/ my2 -	0.162	1" =	0.041	2"=	0.163	3" =	0.367	4" =	0.653	6" = 1.469	10" =	4.080	12"=	5.875
	dia./2) ² x		_		C) Disposal	- V. J. V. V. J.				ALL REPORTS	(3) Purged dry, let	recover, and sar	npled		
		_	_		G DAT							le Depth:			[Vif used]
Bottle			ate		me	Method	Amoun	t & Volume	mL	Preserva	ative (circle)	Ice	Filter	pН	1
00 mL		121		0.1	: 00	131	- [-]	500 m		Hì	NO3	YES	NO	-4-5	~
00 mL		1	1		:	1		500 m	L	H	NO3	YES	YES		V
00 mL		- 1	1				U	500 m		N	one	YES	NO		V
0 mL v		j.	1				71	40 m		I	ICI	YES	NO		1
g OJ H		1	1				7	500 m	L	N	one	YES	NO		V
50mL p		- 1	1				1	250 m	L	N	ione	YES	NO		V
		/	1			1		250 m		N	lone	YES	Yes	3-1	1
50mL p	ootys	/	1	V		V	2	1 L			lone	YES	NO		1
'LAG		T-1-	UI.		duplicat	*	14	1.0							
_	RO.	TTLE					BOTTLE TYPE	(Circle applica	ble or write n	on-standare	d analysis below	4)			
D 00	500 mL										(Se) (Tl) (Zn)				
Analysis Allowed per Bottle Type	500 mI			(PAHs)	(TPH-P	ń									
is Al	40 mL			(VOCs	~	7									
alys er Bo	Lg OJ I			(TDS)	-	ie)									
A g	250 ml		3	(LEHg	*										
A7 A 707	1L AC	_	EV DA	(PCBs)	Duran	Start Tim	ie: /91 :	110			Depth of to	ibing (ft bto	c):		
WAI	ER QU	ALI	TY DA	IA	ruige	Start Thi	le. [.	Turbidity			Departer	5-5-7	-/-		ater Quality
Meas.	Tir	ne	Cum.	Volume	DTW(ft bTOC)	pН	(NTU)	E Cond		Temp °C	DO (mg/L)	ORP		olor, Clarity)
1	19:	20	1,	0	-7	.25	6.29	24,0	40	13	13.15	3,90	33.0		r, colone
2	19:	22	117	15	7	.32	6.28	20,8	40	17	13.36	2.01	23,7	slight	it odor
3	9:	26	1	5	7	.41	6.27	19.5	50	00	13.41	1.44	20.6	- 4	
4		29	3.	25	7	.44	6.25	20.5	51	13	13.50	1.09	18.9		
5		31	4	U	7	46	b .24	19.0	50)3	13.56	0.86	18.0		
6		34	4	.75	7	.51	6.24	18.0		03	13.59	0.73	17.3		
7	-	37	5	5	7	.51	6.23	18.6	50	13	13.58	0.73	16.6		
8	-	40	6	25	7	.58	6 .22	19.2	51		13.59	0.76	10,1		
9	1 1		0,1				73.7								
10	-				7							0			
11	-				-		Lwat								
	-						12.30				1.3				
12														(Clarity,	



[gallons or liters]
Turbidity before sample collection (NTU): 0.73

7

8

9

10

11 12 1

:

1

.

1

Turbidity after sample collection (NTU): 0.37

[Clarity, Color]

Comments: Sofr Botton, pumping @ 0.3 4min

SAMPLER: KELLER (MY 15 tensen

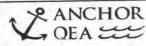


(PRINTED NAME)

720 Olive Way, Suite 1900 Seattle, Washington 98101

ITE A						nals, Inc			-		ID: EMU			115		
IILA	DDRE	SS: 74	100 8t	h Ave	S, Sea	ttle WA	98109				PID: EWIL	0-40	201910	-17		
			_					40.00	***		- T	MED	mm I		HEAVY	
WINI	FRO	M: I	N	NE	E	SE	S	SW	W	NW	(LIGHT)				E1621 V I	n
WE	ATHE	R:	SUNN	JY P	PRTLYC	LOUDY	CLOL	DY	R	AIN	TEMPER	ATURE:		firele annront	rista unitel	
IVDR	01.00	V/I FX	VEL N	/EASI	IREM	ENTS	Vearest 0.01 ft)		[Product This	kness [Wate	r Columni		[Wate	er Column x C	
Dat		Time		DT-Bo			roduct	DT-Wa	iter	DTP-D	TW DTI	3-DTW	1000	Vo	olume (ga	il)
		15:4	_		41	_	21 321	a .	46	100	39	.95	X 1	6	.5	i -
2/15	/14	15:	19	77.	71			-	10	2.6			Х3	19	1 . 5	53
/	/	- 1		0.041	2" =	0.163	3" =	0.367	4" =	0.653	6" = 1.469	10" =	4.080	12" =	5.8	75
	ia./2) ² x 0			0.041 c Pump (C		242.46.27.7					(3) Purged dry, let	recover, and sa	mpled			
							ampieu viii. (ii)	400	0-0-			le Depth:			[√ifi	ised]
				PLINC			Amount	& Volume	Im	Process	ative [circle]	Ice	Filter	pН		1
Bottle '		Date		Tin		Method	Amount				NO3	/ YES	NOT		V	/
0 mL F	IDPE \	215/	_		28		1	500 m		/		YES	YES		- 5	_
0 mL I	IDPE \	12/15/	14	16:	28	2=1	1	500 m		1	NO3	-				-
0 mL	NG 1	12/15/	14	16:	28	1-1	Н	500 m	nL		None	YES	NO	+	V	-
mL vi	al	12/14	14	16:	28	VE 1	3	40 m	L		HCl	YES	NO		V	
g OJ H	DPE .		14	1 7	28	Lead	1	500 n	nL	1	None	YES	NO			_
0mL p	-	2151			28			250 n	nL	1	Vone	YES	NO	M-34	1	-
0mL p		12/15/	1	16:	38	1 = 1	1	250 n	nL	1	None /	YES	Yes		- 1	
. AG	Olys	1.	14	16:	- 43)	11			Vone	YES	NO		- 1	
MG		1.47	7	1.0		e count):	14									
	P.O.	TTLE TY		ANALVS	IS ALLO	WED PER		(Circle applic	able or wr	ite non-standa	rd analysis below)				
	500 mL			Total an	d Dissolv	ed Metals:	(Ag) (As) (Be)	(Cd) (Cr) (C	Cu) (Hg)	(Ni) (Pb) (Sb	(Se) (Tl) (Zn)	(Ba))				
ype	500 mL				(TPH-E		-4									
tle 1	40 mL v			(VOCs)	1											
lysis	Lg OJ F			(TDS)	(Chlorie	de) J										
Analysis Allowed per Bottle Type	250 mL		-	(EL Hg)	7											
	1L AG			(PCBs)							14	** ***				
	D OIL	ALITY		-	Purop	Start Tin	ne: 15 :	54			Depth of tu	ibing (ft bt	oc):	1 1/	Takan I ha	ality
WATI	K QU		Y DA	ГА	ruige					4.1					Vater Qua	
VATI						01700	-TT	Turbidity (NTU)	ECO	m5/cm		DO (mg/L	ORP		Color, Cla	
VATI Meas.	Tin	ne C	Cum. V	/olume		ft bTOC)	рН	(NTU)	-	nd (µs/cm)	Temp °C	DO (mg/L		(C	Color, Cla	
		ne C	Cum. V		DTW(.10	6.36	(NTU) 5.56	5.	624	Temp °C	4,22	-117,5	de	Color, Cla	
Meas.	Tin	ne C	Cum. V	/olume			рН 6:34	(NTU) 5.56 12.0	5.	624	Temp °C 12.86 12.84	4.22	-117,5 =113-13	de	Color, Cla	
Meas.	Tin	ne C	Cum. V	olume	DTW(.10	6.36	(NTU) 5,56 12,0 8,04	5.	624 923	Temp °C 12.86 12.84 12.83	4,22	-117,5 =#3-13 -144,4	(C	Color, Cla	
Meas.	Tin	ne C 59 04	1, 3 3.0	olume	DTW(.10	6.54	(NTU) 5,56 12,0 8,04 5,13	5. 5. 6.1	624 923 171 054	Temp °C 12.86 12.84 12.85 12.78	4,22 3,32 2,91 3,01	-117,5 =#3-13 -144,4 -142,8	(C	Color, Cla	
Meas. 1 2 3 4	Tin 15:16: 16:	ne 0 59 04 08	3.0 4.	/olume	DTW(.10	6.54	(NTU) 5,56 12,0 8,04	5. 5. 6.1	624 923	Temp °C 12.86 12.84 12.83	4,22	-117,5 =#3-13 -144,4	(C	Color, Cla	
Meas. 1 2 3 4 5	Tin 15:16:16:16:16:	ne C 59 04 08 12	3.0 4.	olume	DTW(.10	6.54	(NTU) 5,56 12,0 8,04 5,13	5. 5. 6.1	624 923 171 054	Temp °C 12.86 12.84 12.85 12.78	4,22 3,32 2,91 3,01	-117,5 =#3-13 -144,4 -142,8	(C	Color, Cla	
Meas. 1 2 3 4 5	Tim 15:16:16:16:16:16:16:16:16:16:16:16:16:16:	ne 0 59 04 08 12	3.0 4.	/olume	DTW(·10 ·65 ·65 ·71	6.54	(NTU) 5,56 12,0 8,04 5,13	5. 5. 6.1	624 923 171 054	Temp °C 1/2.86 1/2.84 1/2.85 1/2.78 1/2.81	4,22 3,32 2,91 3,01	-117,5 =#3-13 -144,4 -142,8	(C	Color, Cla	
Meas. 1 2 3 4 5 6 7	Tin 15:4	ne 0 59 04 08 12	3.0 4.	/olume	DTW(·10 ·65 ·65)·65	6.54	(NTU) 5.56 12.0 8.04 5.13 3.97	5. 5. 6.1	624 923 171 054	Temp °C 12.86 12.84 12.85 12.78 12.81	4,22 3,32 2,91 3,01	-117,5 =#3-13 -144,4 -142,8	(C	Color, Cla	
Meas. 1 2 3 4 5 6 7 8	Tim 15:3 16:3 16:4 16:4 16:4	ne C 59 04 08 12	3.0 4.	/olume	DTW(·10 ·65 ·65 ·71	6.54	(NTU) 5,56 12,0 8,04 5,13	5. 5. 6.1	624 923 171 054	Temp °C 12.86 12.84 12.85 12.78 12.81	4,22 3,32 2,91 3,01	-117,5 =#3-13 -144,4 -142,8	(C	Color, Cla	
Meas. 1 2 3 4 5 6 7 8	Tim 15:16:16:16:16:16:16:16:16:16:16:16:16:16:	ne C 59 04 08 12	3.0 4.	/olume	DTW(·10 ·65 ·65)·65	6.54	(NTU) 5.56 12.0 8.04 5.13 3.97	5. 5. 6.1	624 923 171 054	Temp °C 12.86 12.84 12.85 12.78 12.81	4,22 3,32 2,91 3,01	-117,5 =#3-13 -144,4 -142,8	(C	Color, Cla	
Meas. 1 2 3 4 5 6 7 8	Tim 15:3 16:3 16:4 16:4 16:4	ne C 59 04 08 12	3.0 4.	/olume	DTW(·10 ·65 ·65)·65	6.54	(NTU) 5.56 12.0 8.04 5.13 3.97	5. 5. 6.1	624 923 171 054	Temp °C 12.86 12.84 12.85 12.78 12.81	4,22 3,32 2,91 3,01	-117,5 =#3-13 -144,4 -142,8	(C	Color, Cla	
Meas. 1 2 3 4 5 6 7 8 9	Tim 15:16:16:16:16:16:16:16:16:16:16:16:16:16:	ne 0 59 04 08 12	3.0 4.	/olume	DTW(·10 ·65 ·65)·65	6.54	(NTU) 5.56 12.0 8.04 5.13 3.97	5. 5. 6.1	624 923 171 054	Temp °C 12.86 12.84 12.85 12.78 12.81	4,22 3,32 2,91 3,01	-117,5 =#3-13 -144,4 -142,8	(C	Color, Cla	
Meas. 1 2 3 4 5 6 7 8 9 10	Tim 15:16:16:16:16:16:16:16:16:16:16:16:16:16:	ne 0 59 04 08 12	3.0 4.5 6.1	/olume	DTW(·10 ·65)·65)·71 ·	6.54 6.54 6.53 6.62 6.64	(NTU) 5.56 12.0 8.04 5.13 3.97	5. 5. 6.1	624 923 171 054	Temp °C 12.86 12.84 12.85 12.78 12.81	4,22 3,32 2,91 3,01	-117,5 =#3-13 -144,4 -142,8	(C	Color, Cla	
Meas. 1 2 3 4 5 6 7 8 9 10 11 12	Tim 15:16:16:16:16:16:16:16:16:16:16:16:16:16:	ne C 59 04 08 12	3.0 4.5 5.4	or liters	DTW(·10 ·65)·65)·71 ·	6.54 6.54 6.54 6.62 6.64	(NTU) 5.56 12.0 8.04 5.13 3.97	5. 5. 6.1	624 9.23 171 054 35	Temp °C 12.86 12.84 12.85 12.78 12.81	4,22 3,32 2,91 3,01 3,12	-117, 5 #3-13 -144, 4 -142, 8 -146, 6	(Clarity	Color, Cla	

1 11 / / / /	CTN	AME	Sth A	venue	Termir	als In	c.			WELL	ID: F	MW-5	SA		
					S, Sea			-	S	AMPLE	ID: Em	W-58	A -13	2151	4
JILEF	DUK	200.	7 300 0	ALL PEVE	o, Dea	111				DUP		-			
WIN	D FRO	ом.Г	N	NE	E	SE	(5)	SW	W	NW	(LIGHT)	MED	IUM		HEAVY
	EATH	-	SUN		PRTLY C		(CLO	UDY)	RAI	N	TEMPE	RATURE:		7.	° C
		_		3007		Total Time	_		9	Product Thick	mossi IW	iter Column)	10	Tircle anoroni (Wate	r Column x Gal/ft]
							Nearest 0.01 f Product	DT-Wa		DTP-DT		TB-DTW	1		olume (gal)
Da			me	DT-B	ottom				54	DII D.	111	0.40	X1		1.70
	5/14	15	:34	1.7	77			/	317	244	1		Х3		5.10
/-	1	-						0.267	4" =	0.653	6" = 1.469	10" =	4.080	12" =	5.875
	dia./2)2 x		1" =	0.041	2"=	0.163	3" =	0.367				et recover, and sar			
					C D A T		Sampled via:) Low-nowy (2)	r tirget o casiii	g rotomes (ple Depth:	181		[√ if used]
					G DAT		A moun	t & Volume	mI	Preserva	Hive [circle]	Ice	Filter	pН	1
Bottle			ate			Method	NZ /	500 m	_		VO3	YES	NO \		1
500 mL		1011	5/14	16	:30	13		1 500 m	1	-	NO3	YES	YES		
500 mL	HDPE	1	11		/	-/-	124	500 m			one	YES	NO		7
500 mL		1	1			+		40 m			ICI	YES	NO		1/
40 mL v		V	1		-		3		1	-	one	YES	NO	/ I	7
Lg OJ F	HDPE	λ	1		:	1	-/-	500 m			one	YES	NO	-	./
250mL	polys	-1	1		1	-	1	250 m	-	-	-	YES	Yes		V
250mL		1	1		1		/	250 m	1	1	one	(ES)	NO)		3/
⁺¹, AG	1	X	1		·	1	2	\1L		la	one	(ES)	(140)		- 1/
		Tota	l Bottles	(include	duplicate	e count):	14		D. S. S. S. W.	and the state of the state of	d analysis bols	uu)			
1		OTTLE '					(Ag) (As) (Be								
wed	500 m	L HDP	E	(PAHs	-		(Ag) (As) (be	(cu) (ci) (c	(1) (1)g/ (14)	(10) (00)	test test term				
Allo Te T	40 mL			(VOCs											
Analysis Allowed per Bottle Type		HDPE	+ + 1	(TDS)	-	e)									
Anal		L poly		(LL Hg	-										
	7.00	7	- /	(PCBs)										-	
Ei	1L A	U .		(FCDS)	1						S 3	10. 10. 11.	. / 5	/-	
Me ji			TY DA	1	Purge !	Start Tir	ne: /5:	43			Depth of	tubing (ft bto	oc): /8		ater Quality
WAT	ER QI	UALI		TA				Turbidity	E Cond	(µS/cm)				I W	ater Quality folor, Clarity)
WAT	ER QU	me	Cum.	TA Volume	DTW(f) pH	Turbidity (NTU)		(μS/cm)	Temp °C		ORP	(C	olor, Clarity)
WAT Meas	ER QU	me :477	Cum.	TA Volume	DTW(6	. 7/	pH 6.54	Turbidity (NTU)	500	2.4	Temp °C	DO (mg/L)	ORP -42.9	I W	color, Clarity)
WAT Meas 1 2	ER QU . Ti	me:477:51	Cum. 1.6	Volume 2 &	DTW(f) pH	Turbidity (NTU)	500	2,4	Temp °C	0.21 0.22	ORP -42.9 -47.2	+6.1	olor, Clarity)
WAT Meas	ER QU . Ti . 15 . 15	me:477:51	Cum. 1.6	TA Volume	09 09	.71 .74 .76	pH 6.54	Turbidity (NTU)	503	2.9	Temp °C 14 · 1	0.21 0.22 0.27	ORP -42.9 -47.2 -50.4	+ (C	olor, Clarity)
Meas 1 2 3 4	ER QU . Ti . 15 . 15	me:477:51:55	Cum. 1.6 3.7 4.5	Volume 2 &	09 09 09 09	.71 .74 .76	pH 6.54	Turbidity (NTU)	503 503 503	2.9	Temp °C 14 · 1 14 · 1 14 · 1 14 · 1	0.21 0.22	ORP -42.9 -47.2 -50.4	tar	olor, Clarity)
WAT Meas 1 2 3	ER QU 15 15 15 15	me:47:51:55:59:03	Cum. 1.6	Volume 2 &	09 09 09 09	.71 .74 .76 .79	pH 6.54	Turbidity (NTU) 30.98 81.55 61.16 46.61 25.78	503 503 503 503	2.9	Temp °C 14 · 1 14	0.21 0.22 0.27	ORP -42.9 -47.2 -50.4 -52.6	11 11 11 11 11 11 11 11 11 11 11 11 11	olor, Clarity) Tint 1) 1) 1) 1) 1) 1) 1) 1) 1) 1
Meas 1 2 3 4	ER QU 15 15 15 15	me:477:51:55	Cum. 1.6 3.7 4.5	Volume 2 &	09 09 09 09	.71 .74 .76 .79 .84	6.54 6.52 6.50 6.49 6.49	Turbidity (NTU)	503 503 503 503 501	2.9	Temp °C 14 · 1 14	0.21 0.22 0.22 0.22 0.23 0.38 0.42	ORP -42.9 -47.2 -50.4 -52.6 -54.3 -51.2	tar 11 alm	olor, Clarity) Tint 1) 1) 1) 1) 1) 1) 1) 1) 1) 1
Meas 1 2 3 4 5	IS 15 15 15 16 16 16	me:47:51:55:59:03	Cum. 1.6 3.7 4.5	Volume Volume Volume V l V l V l V l V l V l V l V l V l V l	DTW(1 09 09 09 09 09 09 09 09	.71 .74 .76 .79 .84 .88	6.54 6.52 6.52 6.52 6.49 6.49 6.49	Turbidity (NTU) 70.98 81.53 61.16 46.61 25.78 19.92 11.14	503 503 503 501 501 501	2.9	Temp °C 14 · 1 1	0.21 0.27 0.27 0.27 0.32 0.38 0.42 0.46	ORP -42.9 -47.2 -50.4 -52.6 -54.3 -51.2 -54.5	tar 11 mlm 11 mlm	olor, Clarity) Tint 1) 1) 1) 1) 1) 1) 1) 1) 1) 1
WAT Meas 1 2 3 4 5	IS 15 15 15 16 16 16	me:47:51:55:55:59:03:07:11	Cum. 1.6 3.7 4.5	Volume 2 &	DTW(10 09 09 09 09 09 09 09 09	.71 .74 .76 .79 .841 .88	6.54 6.52 6.52 6.49 6.49 6.49 6.49	Turbidity (NTU) 80.98 81.55 61.16 46.61 25.78 19.92 11.14 9.24	503 503 503 501 501 501 500	3 4	Temp °C 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1	0.21 0.22 0.27 0.27 0.32 0.38 0.42 0.46 0.49	ORP -42.9 -47.2 -50.4 -52.6 -54.3 -51.2 -51.5	11 /2/m	olor, Clarity) Tint 1) 1) 2) 2) 1) 2) 1) 2) 1) 1)
WAT Meas 1 2 3 4 5 6 7	IS 15 15 16 16 16	:47 :51 :55 :55 :07 :07 :15	Cum. 1.6 3.7 4.5	Volume 2	DTW(1) 09 09 09 09 09 09 09 09 09 09	.71 .74 .76 .79 .84 .88 .92 .96	6.54 6.52 6.52 6.49 6.49 6.49 6.49 6.49	Turbidity (NTU) 30.98 81.59 61.16 46.61 25.78 19.92 11.14 9.24 9.07	503 503 503 503 501 501 500 500	3 4 3 1	Temp °C 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1	0.21 0.22 0.22 0.27 0.32 0.38 0.42 0.46 0.49	ORP -42.9 -47.2 -50.4 -52.6 -54.3 -51.2 -57.0 -57.0	(C) + tax	olor, Clarity) Tint 1) 1) 2) 2) 2) 2) 1) 1)
WAT Meas 1 2 3 4 5 6 7 8	IS 15 15 16 16 16	me:47:51:55:55:59:03:07:11	Cum. 1.6 3.4 5.6 8.1 9.1 11. 12.	Volume Volume Volume V l V l V l V l V l V l V l V l V l V l	DTW(10 09 09 09 09 09 09 09 09	.71 .74 .76 .79 .841 .88	6.54 6.52 6.52 6.49 6.49 6.49 6.49 6.49	Turbidity (NTU) 80.98 81.55 61.16 46.61 25.78 19.92 11.14 9.24	503 503 503 503 501 501 500 500	3 4	Temp °C 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1	0.21 0.22 0.27 0.27 0.32 0.38 0.42 0.46 0.49	ORP -42.9 -47.2 -50.4 -52.6 -54.3 -51.2 -51.5	11 /2/m	olor, Clarity) Tint 1) 1) 2) 2) 1) 2) 1) 2) 1) 1)
WAT Meas 1 2 3 4 5 6 7 8 9	IS 15 15 16 16 16	:47 :51 :55 :55 :07 :07 :15	Cum. 1.6 3.4 5.6 8.1 9.1 11. 12.	Volume 2	DTW(1) 09 09 09 09 09 09 09 09 09 09	.71 .74 .76 .79 .84 .88 .92 .96	6.54 6.52 6.52 6.49 6.49 6.49 6.49 6.49	Turbidity (NTU) 30.98 81.59 61.16 46.61 25.78 19.92 11.14 9.24 9.07	503 503 503 503 501 501 500 500	3 4 3 1	Temp °C 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1 14 · 1	0.21 0.22 0.22 0.27 0.32 0.38 0.42 0.46 0.49	ORP -42.9 -47.2 -50.4 -52.6 -54.3 -51.2 -57.0 -57.0	(C) + tax	olor, Clarity) Tint 1) 1) 2) 2) 2) 2) 1) 1)



(PRINTED NAME)

SAMPLER:

KOCHIE

720 Olive Way, Suite 1900 Seattle, Washington 98101 (206) 287-9131

DRESS:	MADO				00100			CAMPIE	ID: EM	1-1.0	-2014	1215	
	7400 8	th Ave S	S, Sea	ttle WA	98109			DUP		N- 60	5 0019	1517	
			- 1			crut I	TAP	NW	LIGHT	MEDI	IIIM I	Н	EAVY
FROM:	N	NE	Е	SE	5	SW	W						10 C
ATHER:	SUN	NY) P	RTLY C	LOUDY	CLOU)DY	K	AIN	I EIVII EIVA	TORE.		ircle appropriat	te units!
LOGY/I	EVEL	MEASU	REMI	ENTS (N	earest 0.01 ft)					T.		Column x Gal/ft] ume (gal)
						DT-Wa	ter	DTP-DT	-		2/4	101	
14/12	:39	19.	lol	-		7 - 9	35	***	15	.26	100		.99
					-								. 99
$(./2)^2 \times 0.163$	1"=	0.041	2" =	0.163	3" =	0.367	4" =	0.653	The second second			12" =	5.875
	(B) Peristal	tic Pump (C)	Disposab	le Bailer S	ampled via: (1)	Low-flow (2)	Purged 3 c	asing volumes			npled		[v if used]
IDWATI	ER SAN	IPLING	DAT	A							TO Care	»U	1
ype I	Date	Tim	ne	Method	Amoun	t & Volume	mL	_			-	pri	- /
	15/14	13:	33			500 m	L	-		1			V
		13:	33			500 m	L	H	NO3		1		V
		13:	100 Av. 1		4	500 m	L	N	lone		1		1
-	-		_		3	40 m	L	1	ICI	YES			V
165		_		-	1	500 m	ıL	1	Ione	YES			- /
					1	250 m	ıL	1	lone	YES	-		-
						250 m	ıL	1 1	None /	YES	/		- /
					2	1.L		1	None /	YES	OM		1
		(include o	duplicat	e count):	14								
		ANALYSI	S ALLO	WED PER E	SOTTLE TYPE	(Circle application)	able or wi	rite non-standar	d analysis below)	1			
500 mL HD	PE				(Ag) (As) (Be	(Cd) (Cr) (C	Cu) (Hg)	(Ni) (Pb) (Sb)	(Se) (T1) (Zn) (Ba)			
500 mL AG		-											
40 mL vial		1	_										
		1	_	1e)									
	ys												
	ITY DA		Purge	Start Tim	ne: 12:	34				bing (ft bto	oc):	T Wa	ater Quality
K QUAL	1					Turbidity	FC	ms/cm	T°C	DO (mg/L)	OPP	10.00	olor, Clarity)
Time	Cum.	Volume	DTW(ft bTOC)	pH								
12:42	12.	7	7	.41	4.27	11,2	Di	17/	10.76	200-31,3			
12:4	1 3.	9	7	.43	4.44	10.6	0.	1.1.	10.65	17,10	1.		Small part
12:50	5		7	.44	4.77	8.69	0		10.61	- X 1	TOI.		
	1/0.	3	7	.49	501	5,50	0.		10.55	12.61			rr Ir
412	-	5	7	.47	5.18	5,73	0.	136		60.60			
1.0	11 1 1 1 1 1 1 1	7	7	.47	5,43	5,57	0.	137	10.60	6.27	-36,7	-	11
		9	7	.47	8.59	4,00	0,	138	10.53	6,57			[]
12:11		1	7	.47	5:70	3,07	0	138	10.60	6,14			11
12.11	1 12	3	7	.47	5.80	2,81	0,	138	10.62	1	-58:1		t ₁
12.15	112	E	7	.47	5.89	3.17	0.	134	10.64	4.88	-6217		G.
12.1	1 14	1	1	.47	5.90		0.	133	10.59	05,33			Li
12 . 7				1		3900	-		10 -0	15 35	110 1		
13:31		a	7	.47	6.00	11.51	0.	132	10.59	5.25	1-69,6	[Clarity.	11
5 5 1 1 2	THER: DLOGY/I T I I I I I I I/P I	THER: SUN LOGY/LEVEL 1 Time 14 12:39 : (A) Waterra (B) Peristal IDWATER SAN VPE Date DPE 12/15/14 DPE 12/15/14 DPE 12/15/14 DPE 12/15/14 DYS 12/15/14 Total Bottles BOTTLE TYPE 500 mL AG 10 mL vial 12 OJ HDPE 250 mL polys 11 AG R QUALITY DA Time Cum. 12:54 2 13:58 7 13:58 7 13:58 7	Compared Compared	Time DT-Bottom	THER: SUNNY PRTLY CLOUDY PRT	THER: SUNNY PRTLY CLOUDY CLOUDY	THER: SUNNY PRILY CLOUDY CLOUDY	ATHER: SUNNY PRILY CLOUDY CLOUDY R Time DT-Bottom DT-Product DT-Water Time DT-Bottom DT-Water DT-Water DT-Water Time DT-Bottom DT-Water DT-Water DT-Water Time DT-Water DT-Water DT-Water DT-Water DT-Water Time DT-Water DT-Water DT-Water DT-Water DT-Water DT-Water Time DT-Water DT-Water DT-Water DT-Water DT-Water DT-Water DT-Water	The content of the	THOM: No. 2. 3.5 SUNNY PRILY CLOUDY CLOUDY RAIN TEMPERA THE SUNNY PRILY CLOUDY CLOUDY RAIN TEMPERA Time DT-Bottom DT-Product DT-Water DTP-DTW DTB	Time	Time	Time



(PRINTED NAME)

SAMPLER:

720 Olive Way, Suite 1900 Seattle, Washington 98101

		AME: 8th ESS: 7400										W-75 W-75	20141	216	
						-				P ID:			0.01		
WIN	D FRO	M: N	NE	E	SE	S	SW	W	NW	LIGH	IT)	MEI	DIUM	- 1	HEAVY
	EATH			PRTLY (CLOUDY	CLO	UDY)	T	RAIN	TEM	PER	ATURE:	(°F)45	- 4	·a (
			MEAC	LIDEN	TENITE !			1	(Product Thic	knosel	IWate	er Column)	ır	Trele annenni I Water	column x Gal/ft)
Da		Time		ottom	T-	Nearest 0.01 Product	DT-Wa	tor	DTP-DT			B-DTW	Ī		lume (gal)
		100000			_				DII DI		11	1	X 1	4	18.
2/11	0119	14:31	20	Ud	-	442	4.	92			1 1		Х3	5	* 10
/	/ (dia./2) ² x (0.163 1"=	0.041	2" =	0.163	3" =	0.367	4" =	0.653	6" = 1	.469	10" =	4.080	12" =	5.875
LIALT	1 - 1 - 1 - 1 - 1 - 1	Vaterra (B) Peris	37.37				1) Low-flow (2)	1000	234-5-7	-					
		ATER SA				Emiliare van 19	7 122		3			le Depth:		- 1	[√if used]
	Туре	Date	_	me	Method	Amoun	t & Volume	mL	Preserva	_		Ice _	Filter	рН	V
	HDPE	12/19/14	+	:11	Mediod	Timoda	500 m			NO3	1	YES	NO \		- /
		31 /1	15			1	500 m		-	NO3		YES	YES		-
	HDPE	10/1/14	12	11:	7 - 7-	2	500 m			lone		YES	NO		-
00 mL		12/14/4	15	: //		-	40 m			HCI	11	YES	NO		1
0 mL v		12/10/14	15	. 11		3	500 m		-	lone	11	YES	NO		
g OJ F	_	12/16/19	19	: 11	1000							YES	NO		V
50mL		174912	17	: //	100	1	250 m			lone		YES	Yes		
50mL	polys	15 VA 1	17	: 11		1	250 m		1	lone	-		1		-
'. AG	4.4	19/10/1-	15	: 11	1000	2	1 L		1	lone /	-\	YES	NO		- /-
	9	Total Bottle				14				100 1040					
	500 mL	TTLE TYPE					(Circle applica) (Cd) (Cr) (C								
Analysis Allowed per Bottle Type	500 mL		(PAHs)	-		(AR) (AS) (DE	(ca) (ci) (c	u) (116) (141) (10) (30)	(00) (11)	(cary)				
He T	40 mL v		(VOCs)		-										
alysis Bot	Lg OJ F		(TDS)	(Chloric	ie)										
Ang	250 mL	polys	(LL Hg	-											
	1L AG		(PCBs)			122						C			
AT A TEL	ER OU	ALITY D			Charle Trees	ne: 14:	2					hing (ft bto	10).		
WAI	_	ALIII D	ATA	Purge	Start 11n					Depth	of tu	Daily (It bu	1	W	iter Quality
1		-	ATA Volume				Turbidity (NTU)	E Cor	m S/cm nd (µS/em)	_		DO (mg/L)		0.31	iter Quality lor, Clarity)
Meas.		ne Cum.		DTW(i			Turbidity (NTU)			Temp			ORP	0.31	lor, Clarity)
Meas.	Tin	ne Cum		DTW(f	ft bTOC)	рН 6 :48	Turbidity (NTU)	0.	1d (µS/em) 384	Temp	o°C	DO (mg/L)	ORP	(Co	lor, Clarity)
Meas.	Tin 14 :*	ne Cum. 36 L	Volume 2 4	DTW(I	ft bTOC)	рн 6 :48 6 :44	Turbidity (NTU) 109 105	0.	nd (µ S/em)	Temp	°C	DO (mg/L)	ORP	(Co	olor, Clarity)
Meas. 1 2 3	Tin '4:* 14: 14:	ne Cum. 36 1 39 2 41 3	Volume 2 4	DTW(I	.38 .57	pH 6.48 6.44 6.42	Turbidity (NTU)	0.	384 389	Temp	°C 41 60	DO (mg/L) 5,44 4,42	ORP -26.6 -54.7	yello mode	olor, Clarity)
Meas. 1 2 3 4	Tin '4:* 14: 14:	Cum. 36 1.39 2.41 3.44 4	Volume	DTW(I	.38 .57 .57	pH 6.48 6.44 6.42 6.42	Turbidity (NTU) 109 105 \$63	0.	384 389 391	Temp	60 67	DO (mg/L) 5,44 4,42 4,14	ORP -28.6 -54.7 -68.4 -74.8	yello mode	olor, Clarity) wish arange
Meas. 1 2 3 4 5	Tin 14: 14: 14: 14:	Cum 36 1 39 2 41 3 44 4	Volume	DTW(I	.38 .57	pH 6.48 6.44 6.44 6.42 6.41 6.40	Turbidity (NTU) 109 105 \$63 57,4 41,3	0.	384 389 391	Temp	60 67	DO (mg/L) 5,44 4,42 4,14 3,81 3,34	ORP -36.6 -54.7 -68.4 -14.8 -83.6	yello mode	olor, Clarity) wish arange
Meas. 1 2 3 4 5	Tim 14: 14: 14: 14: 14: 14:	Cum 36 1 39 2 41 3 44 4 47 6 50 7	Volume	DTW(I	.38 .57 .57	pH 6.48 6.44 6.42 6.42	109 105 \$63 57,4	0.	384 389 391	Temp	60 67	DO (mg/L) 5,44 4,42 4,14 3,8(ORP -28.6 -54.7 -68.4 -74.8	yello mode	olor, Clarity) wish arange
Meas. 1 2 3 4 5 6 7	Tim 14:* 14:	Cum 36 1 39 2 41 3 44 4 47 6 50 7 53 8	Volume 2 4 8 0 2	DTW(I	.38 .57 .57	pH 6.48 6.44 6.44 6.42 6.41 6.40	Turbidity (NTU) 109 105 \$63 57,4 41,3 30,0	0.	384 389 391	Temp	60 67	DO (mg/L) 5,44 4,42 4,14 3,81 3,34	ORP -54.7 -68.4 -74.8 -83.6 -91.8	yello mode	olor, Clarity) wish arange
Meas. 1 2 3 4 5 6 7 8	Tim 14:" 14:	Cum 36 1 39 2 41 3 49 4 47 6 50 7 53 8 56 9	Volume 2 4 8 0 2 4	DTW(I	.38 .57 .57	pH 6.48 6.44 6.44 6.42 6.41 6.40	Turbidity (NTU) 109 105 \$63 57,4 41,3	0.	384 389 391	Temp	60 67	DO (mg/L) 5,44 4,42 4,14 3,81 3,34	ORP -36.6 -54.7 -68.4 -14.8 -83.6	yello mode	olor, Clarity) wish arange
Meas. 1 2 3 4 5 6 7 8 9	Tim 14:" 14:" 14:" 14:" 14:" 14:" 14:" 14:" 14:" 14:" 14:"	Cum 36 1 39 2 41 3 44 4 47 6 50 7 53 8 56 9	Volume 2 4 8 0 2	DTW(1	.38 .57 .57	pH 6.48 6.49 6.49 6.40 6.40 6.39 6.40	Turbidity (NTU) 109 105 \$635 57.4 41.3 30.0 27.7 21.5 15.2	0.	384 389 391	Temp 14. 14. 14. 14. 14. 14. 14. 14.	67 67 70 61 73 77 67	DO (mg/L) 5,44 4,42 4,14 3,81 3,34	ORP -54.7 -68.4 -74.8 -91.8 -17.0 -101.1	yello mode	olor, Clarity) wish arange
Meas. 1 2 3 4 5 6 7 8 9 10	Tim 14: 14: 14: 14: 14: 14: 14: 14: 15:	Cum 36 L 39 2 41 3 44 4 47 6 50 7 53 8 56 9 59 10	Volume 2 4 8 0 2 4	DTW(I	.38 .57 .57	pH 6.48 6.44 6.49 6.40 6.40 6.40 6.40 6.40	Turbidity (NTU) 109 105 \$63 57,4 41,3 30,0 21,7 21,5 15,2 11,9	0.	384 389 391	Temp 14. 14. 14. 14. 14. 14. 14. 14.	60 67	DO (mg/L) 5,44 4,14 3,81 3,34 3,08 3,16 2,93 3,03	ORP -54.7 -68.4 -74.8 -83.6 -91.8	yello mode	olor, Clarity) wish arange
Meas. 1 2 3 4 5 6 7 8 9	Tim 14: 14: 14: 14: 14: 15: 15:	Cum 36 1 39 2 41 3 44 4 47 6 50 7 53 8 56 9	Volume 2 4 8 0 2 4	DTW(1	.38 .57 .57	pH 6.48 6.49 6.49 6.40 6.40 6.39 6.40	Turbidity (NTU) 109 105 \$635 57.4 41.3 30.0 27.7 21.5 15.2	0.	384 389 391	Temp 14. 14. 14. 14. 14. 14. 14. 14.	67 67 70 61 73 77 67	DO (mg/L) 5,44 4,14 3,81 3,34 3,08 3,16 2,93 3,03	ORP -54.7 -68.4 -74.8 -91.8 -17.0 -101.1	yello mode	olor, Clarity) wish arange



SAMPLER: Kellee Constansen
(PRINTED NAME)

720 Olive Way, Suite 1900 Seattle, Washington 98101 (206) 287-9131

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.0] Date	0.367 (1) Low-flow (2) unt & Volume 500 m 500 m 250 m 250 m 1 L	4" = Purged 3 ca e mL al. al. al. al. al.	Preserva HN N N N N N N N N N	ID: LIG TEN mess W 6" =	IWater DTB	MEDIATURE: Column I-DTW 10" = ecover, and san e Depth: Ice YES YES YES YES YES YES YES	X1 X3 4.080 ppled Filter NO YES NO NO	F ircle appropris	HEAVY Column x Gal/ft lume (gal) 70 5.875 [Vifused]
WEATHER: SUNNY PRTLY CLOUDY HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.0) Date Time DT-Bottom DT-Product U 1 4 1 20 20	0.367 (1) Low-flow (2) unt & Volume 500 m 500 m 250 m 250 m 1 L	A" = Purged 3 ca e mL aL aL aL aL	NW AIN (Product Thick DTP-DT 0.653 sing volumes (Preserva HN N N N	LIG TEM W 6" = 3) Purges NO3 NO3 one ICI one one	Water DTB	ATURE: Column D-DTW 10" = ecover, and san e Depth: Ice YES YES YES YES YES YES	X1 X3 4.080 ppled Filter NO YES NO NO	Water Vol	o Cate unite! Column x Gal/ft! lume (gal) - 7D - 10 - 5.875 [Vifused]
WEATHER: SUNNY PRTLY CLOUDY HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.0) Date Time DT-Bottom DT-Product U 1 4 1 20 29	0.367 (1) Low-flow (2) unt & Volume 500 m 500 m 250 m 250 m 1 L	A" = Purged 3 ca e mL aL aL aL aL	Preserva HN N N N N	TEN wress W 6" = 3) Purges stive [c NO3 NO3 one ICI one one	Water DTB	ATURE: Column D-DTW 10" = ecover, and san e Depth: Ice YES YES YES YES YES YES	X1 X3 4.080 ppled Filter NO YES NO NO	Water Vol	o Cate unite! Column x Gal/ft! lume (gal) - 7D - 10 - 5.875 [Vifused]
HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.0) Date Time DT-Bottom DT-Product U 1 U 1	0.367 (1) Low-Boy (2) unt & Volume 500 m 500 m 250 m 250 m 1 L	4" = Purged 3 ca e mL al. al. al. al. al.	Preserva HN N N N N	winess W 6" = 3) Purges NO3 NO3 one ICI one one	DTB 1.469 d dry, let r Sample	column) i-DTW i-J3 i-DTW i-J4 i-D	X 1 X 3 4.080 hpled Filter NO YES NO NO NO NO	Water Vol	Vifused
Date Time DT-Bottom DT-Product	0.367 (1) Low-flow (2) unt & Volume 500 m 500 m 250 m 250 m 1 L	4" = Purged 3 ca e mL al. al. al. al. al. al.	Preserva HN N N N N	W 6" = 3) Purger stive (c NO3 NO3 one (C1 one one	DTB	10" = ecover, and same e Depth: Ice YES YES YES YES YES YES	X 3 4.080 ppled Filter NO YES NO NO NO	Vol. 5	\(\frac{1}{7} \) \(\frac{1} \) \(\frac{1} \) \(\frac{1}{7} \) \(\frac{1}{7} \
Date Time DT-Bottom DT-Product	0.367 (1) Low-flow (2) unt & Volume 500 m 500 m 250 m 250 m 1 L	4" = Purged 3 ca e mL al. al. al. al. al. al.	0.653 Sing volumes (Preserva HN N N N	6" = ative (c NO3 NO3 one ICI one one	1.469 d dry, let r	10" = ecover, and san e Depth: Ice YES YES YES YES YES YES	X 3 4.080 ppled Filter NO YES NO NO NO	12" =	7D 5.70 5.875 [Vifused]
	0.367 (1) Low-flow (2) unt & Volume 500 n 500 n 500 n 250 n 1 I	4" = Purged 3 ca e mL tL	O.653 Sing volumes (ative (c NO3 NO3 one ICI one one	d dry, let r Sample	10" = ecover, and san e Depth: Ice YES YES YES YES YES YES	X 3 4.080 ppled Filter NO YES NO NO NO		5 · 1 O 5.875 [Vifused]
	0.367 (1) Low-flew (2) unt & Volume 500 n 500 n 250 n 250 n 1 L	4" = Purged 3 ca e mL tL	O.653 Preserva HN N N N	ative (c NO3 NO3 one ICI one one	d dry, let r Sample	e Depth: Ice YES YES YES YES YES YES YES YES	4.080 Filter NO YES NO NO NO		5.875 [Vifused]
SMETHODS: (A) Waterr (B) Peristaltic Pump (C) Disposable Bailer GROUNDWATER SAMPLING DATA Bottle Type Date Time Method Amount State Stat	(1) Low-flow (2) unt & Volume 500 n 500 n 40 m 500 n 250 n 1 L	Purged 3 ca	Preserva HN HN N N N	ative (c NO3 NO3 one ICI one one	d dry, let r Sample	e Depth: Ice YES YES YES YES YES YES YES YES	Filter NO YES NO NO NO NO		[Vifused]
BOTTLE TYPE BOUNDWATER SAMPLING DATA Bottle Type Date Time Method Amount Amount Time Method Amount Amount Amount Time Method Amount Am	500 n 500 n 500 n 500 n 500 n 10 11 11 11 12 14 15 15 16 16 17 16 17 16 17 16 17 16 17 16 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	e mL	Preserva HN N N N N N N N N N	NO3 NO3 NO3 one ICI one one	Sample	e Depth: Ice YES YES YES YES YES YES YES	Filter NO YES NO NO NO NO	pH	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Bottle Type Date Time Method Amount	500 n 500 n 500 n 40 m 500 n 250 n 250 n	nL nL nL nL nL	HI HI N H N N	NO3 NO3 NO3 one ICI one one		Ice YES YES YES YES YES YES	NO YES NO NO	рН	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
BOTTLE TYPE Battle State	500 n 500 n 500 n 40 m 500 n 250 n 250 n	nL nL nL nL nL	HI HI N H N N	NO3 NO3 One ICI one one	ircle]	YES YES YES YES YES YES	NO YES NO NO	pri	V
SOO mL HDPE	500 n 500 n 40 m 500 n 250 n 250 n 1 L	nL nL L nL nL	Hr N H N	NO3 one ICI one one		YES YES YES YES	YES NO NO NO		V
100 mL AG	500 n 40 m 500 n 250 n 250 n 1 L	nL L nL nL	N H N	one ICI one one		YES YES YES	NO NO NO		V
## BOTTLE TYPE ANALYSIS ALLOWED PER BOTTLE TYPE	40 m 500 n 250 n 250 n 1 L	L nL nL nL	N N	ICI one one		YES YES	NO NO		/
Lg OJ HDPE / / : 1 250mL polys / / : 1 250mL polys / / : 1 1L AG	500 n 250 n 250 n 1 L	nL nL	N	one one	- 4	YES	NO		1/
250mL polys / / : 1 250mL polys / / : 1 250mL polys / / : 1 1L AG	250 n 250 n 1 L	nL nL	N N	one one	= (4	
250mL polys / / : 1 250mL polys / / : 1 250mL polys / / : 1 1L AG	250 n 1 L YPE (Circle applic	nL.	N	one		YES			1
Total Bottles (include duplicate count): 14 BOTTLE TYPE ANALYSIS ALLOWED PER BOTTLE TY	1 L			-		1000	NO		V
Total Bottles (include duplicate count): 1 H BOTTLE TYPE ANALYSIS ALLOWED PER BOTTLE TY	YPE (Circle applic		N	one		YES	Yes		V
BOTTLE TYPE ANALYSIS ALLOWED PER BOTTLE TY	YPE (Circle applic			_		YES	NO		
B D D D D D D D D D D D D D D D D D D D									
1L AG (PCBs)	-			In .		Cincolle Land	-1.		
WATER QUALITY DATA Purge Start Time:	Turbidity	1		Dept	h of tu	bing (ft bto	c):	Wa	ater Quality
Meas. Time Cum. Volume DTW(ft bTOC) pH	(NTU)	E Co	nd (µS/cm)	Ten	np °C	DO (mg/L)	ORP	(Co	olor, Clarity)
1 17:22 1.5 10.19 6.60	0 7,53		707	14	.01	2,24	-3.8	Clear	, wolorless,
2 17:25 2:25 10 .23 6 38			598	14	.30	1.69	-15,3	noo	dor
3 17:28 30 10 .24 6.2			503	14	.47	0.95	-16,5		
4 17:31 3.75 10.28 6.2		JIZ.	493	14	.50	0.95	-16,0		
5 17:34 4.5 10 32 6.1	-	1/2	484	14	.55	0.81	-149		
6 17:37 5.25 10 .37 6 .19		ALE:	479	14	.63	0.77	-13.6		
7 17 40 6.0 10 38 6 1	875		473	14	.62	0.77	-12,2		
8 : , .					LE I		1-2		
9 :					2				
10 :					¥-1				
11 :									
12 :								Page 1	Cultural
[gallons or liters]			4			1 11	dia /Atro	(Clarity,	
Comments: Soft No form, pumping a				ty aft	er sam	ibie coile	ction (NT)	0). 0 .	3.1



SAMPLER:

720 Olive Way, Suite 1900 Seattle, Washington 98101

				Terminals, In				WELL		W-95			
SITE	ADDRI	ESS: 7400	8th Ave	e S, Seattle WA	98109			SAMPLE	-	(W-95	-2014	1217	
					- 1			DUP	-	transf	- T		**** (* ***)
	D FRO		NE	E SE	S	(SW)	W	NW	LIGHT	MED			HEAVY
W	EATH	ER: SU	NNY	PRTLY CLOUDY	CLO	UDY	CR	AIN	TEMPER.	ATURE:		irele annon	
HYD	ROLOG	GY/LEVE	L MEAS	UREMENTS (Nearest 0.01 f	t)		[Product Thick	mess [Wate	Column)		[Wate	er Column x Gal/ft]
Da		Time	_		Product	DT-Wa	iter	DTP-DT	W DTE	B-DTW	# to 11	V	olume (gal)
17/1	7/14	17:09	19	.79		10 .	32	4-3	9	.47	X 1		1.544
1	1	:	-								Х3		4.630
Gal/ft =	(dia./2) ² x (0.163 1"=	0.041	2" = 0.163	3" =	0.367	4" =	0.653	6" = 1.469	10" =	4.080	12" =	5.875
		1315 152			Sampled via: (1) Low-flow (2)	Purged 3 ca	ising volumes (3) Purged dry, let	recover, and sar	npled		
		ATER SA		47 1 - 40 T 0 M 0 1 m					Sampl	e Depth:	3		[v if used]
Bottle	Туре	Date	Ti	me Method	Amoun	t & Volume	mL	Preserva	tive [circle]	Ice	Filter	pН	√
		12/12/14	门海	:50	1	500 m	L	HN	NO3	YES \	NO "	797	
	HDPE	12/17/11	177	:50	1	500 m	L	HN	NO3	YES	YES		
00 mL		17 11911		200	4	500 m		No	one	YES	NO		
0 mL v		12 1011	Section 1	:50	3	40 m			ICI	YES	NO		
	-	12/1/1	11	:50	7	500 m			one	YES	NO		
g OJ F		12/17/14		: 50	41	250 m			one	YES	NO		
250mL		17/17/19		:50	多1	250 m			one	YES	Yes /		
250mL		12 117/14		:50	- 1	27,189.10			200	YES	NO		
'' AG		12/17/14		:50	2	1 L		IN	one	110	CIND		
	1			duplicate count):	14	(Ct. 1. See Its	tato en 1705	is and standard	Lanalissis halaur	0.1.1.			
	500 mL	LIDDE		of Dissolved Metals:						Ba)			
Analysis Allowed per Bottle Type	500 mL		(PAHs)		(Ag) (As) (be)	(cu) (ci) (c	u) (116) (1	11) (1-0) (0-1)	(20) (20) (20)	72/			
Alle T	40 mL		(VOCs)	- 1									
Bot	Lg OJ I		(TDS)	(Chloride)									
Ana	250 mL		(LL Hg)									
	1L AG		(PCBs)										
	ER QU	ALITY D	ΔΤΔ	and the second second	7 1000	14 100			TO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ping (ft bto	c):		
WAT			AIA	Purge Start Tim	ne: 17:	- 1113	_		Depth of tu	Jang (III and	-/-	W	ater Quality
	Tin	ne Cum		Purge Start Tim DTW(ft bTOC)		Turbidity (NTU)	E Con	mS/cm nd.(µS/em)	57-74	DO (mg/L)	ORP	(C	olor, Clarity)
	Tin	_		Transfer Table		Turbidity (NTU)	-	ms/cm nd (ustern)		DO (mg/L)	ORP -77,5	Clear	Color, Clarity)
Meas.		29 1	. Volume	DTW(ft bTOC)	рН	Turbidity (NTU)	0,		Temp °C	DO (mg/L) 4, 56 4, 11	ORP	clear	Color, Clarity)
Meas.	17:	29 1	. Volume	DTW(ft bTOC)	рН 6.38	Turbidity (NTU)	0.	032	Temp °C 14 · 97	DO (mg/L) 4, 56 4, 11 3,20	ORP -77,5 -89.8 -97,0	clear	Color, Clarity)
Meas. 1 2	17: 17: 17:	29 1 33 2 34 3	Volume	DTW(ft bTOC) 10 · 61 10 · 65	рН 6.38 6.39	Turbidity (NTU) 4,90 4,31	0.	032	Temp °C 14 · 97 15 · 47	DO (mg/L) 4, 56 4, 11 3,20	ORP -77.5 -89.8	clear	Color, Clarity)
Meas. 1 2 3	17: 17: 17: 17:	29 1 33 2 34 3 38 5	. Volume	DTW(ft bTOC) 10 · 61 10 · 65 10 · 72 10 · 72	pH 6.38 6.39 6.39 6.38	Turbidity (NTU) 4,90 4,31 5.05 8.90	0.0	032 039 3 10 309	Temp °C 14 · 97 15 · 47 15 · 55	DO (mg/L) 4, 56 4, 11 3, 20 3, 15	ORP -77,5 -89.8 -97,0	clear clear ii	Color, Clarity)
Meas. 1 2 3 4	17: 17: 17: 17: 17:	29 1 33 2 34 3 36 5 41 8	. Volume	10 · 61 10 · 65 10 · 72 10 · 72 10 · 72	pH 6.38 6.39 6.39 6.38 6.38	Turbidity (NTU) 4,90 4,31 5.05 8,90 9,60	0.00	032 039 3 10 309	Temp °C 14.87 15.47 15.55 15.56	DO (mg/L) 4, 56 4, 11 3, 20 3, 15 2, 95	ORP -77,5 -89,8 -97,0 -101,3 -104,3	clear clear	Color, Clarity)
Meas. 1 2 3 4 5	17: 17: 17: 17: 17:	29 1 33 2 34 3 36 5 41 8	. Volume	DTW(ft bTOC) 10 · 61 10 · 65 10 · 72 10 · 72 10 · 72 10 · 72	pH 6.38 6.39 6.39 6.38	Turbidity (NTU) 4,90 4,31 5.05 8.90	0.00	032 039 3 10 309	Temp °C 14.87 15.47 15.55 15.56	DO (mg/L) 4, 56 4, 11 3, 20 3, 15 2, 95	ORP -77,5 -99,8 -97,0 -101,3	clear clear ii	Color, Clarity)
Meas. 1 2 3 4 5 6 7	17: 17: 17: 17: 17: 17:	29 1 33 2 34 3 38 5 41 8 45 7	. Volume	10 · 61 10 · 65 10 · 72 10 · 72 10 · 72	pH 6.38 6.39 6.39 6.39 6.38 6.38	Turbidity (NTU) 4,90 4,31 5.05 8,90 9,60	0.00	032 039 3 10 309	Temp °C 14 · 97 15 · 47 15 · 56 15 · 56 15 · 54	DO (mg/L) 4, 56 4, 11 3, 20 3, 15 2, 95	ORP -77,5 -89,8 -97,0 -101,3 -104,3	clear clear ii	Color, Clarity)
Meas. 1 2 3 4 5 6 7 8	17: 17: 17: 17: 17: 17:	29 1 33 2 34 3 36 5 41 6 45 7	. Volume	DTW(ft bTOC) 10 · 61 10 · 65 10 · 72 10 · 72 10 · 72 10 · 72 .	pH 6.38 6.39 6.39 6.39 6.38 6.38 6.38	Turbidity (NTU) 4,90 4,31 5.05 8.90 9,60 9,60	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	032 039 3 10 309	Temp °C 14 · 87 15 · 47 15 · 56 15 · 56 15 · 54	DO (mg/L) 4, 56 4, 11 3, 20 3, 15 2, 95	ORP -77,5 -89,8 -97,0 -101,3 -104,3	clear clear ii	Color, Clarity)
Meas. 1 2 3 4 5 6 7 8 9	17: 17: 17: 17: 17: 17:	29 1 33 2 34 3 36 5 41 6 45 7	. Volume	DTW(ft bTOC) 10 · 61 10 · 65 10 · 72 10 · 72 10 · 72 10 · 72	pH 6.38 6.39 6.39 6.38 6.38 6.38	Turbidity (NTU) 4,90 4,31 5.05 8.90 9,60 9,60	0.00	032 039 3 10 309	Temp °C 14 · 97 15 · 47 15 · 56 15 · 56 15 · 54	DO (mg/L) 4, 56 4, 11 3, 20 3, 15 2, 95	ORP -77,5 -89,8 -97,0 -101,3 -104,3	clear clear ii	Color, Clarity)
Meas. 1 2 3 4 5 6 7 8 9 10	17: 17: 17: 17: 17: 17:	29 1 33 2 34 3 38 5 41 6 45 7	. Volume	DTW(ft bTOC) 10 · 61 10 · 65 10 · 72 10 · 72 10 · 72	pH 6.38 6.39 6.39 6.39 6.38 6.38 6.38	Turbidity (NTU) 4,90 4,31 5.05 8.90 9,60 9,60	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	032 039 3 10 309	Temp °C 14 · 97 15 · 47 15 · 56 15 · 56 15 · 54	DO (mg/L) 4, 56 4, 11 3, 20 3, 15 2, 95	ORP -77,5 -89,8 -97,0 -101,3 -104,3	clear clear ii	Color, Clarity)
Meas. 1 2 3 4 5 6 7 8 9 10 11	17 17 17 17 17 17	29 1 33 2 34 3 36 5 41 6 45 7	. Volume	DTW(ft bTOC) 10 · 61 10 · 65 10 · 72 10 · 72 10 · 72	pH 6.38 6.39 6.39 6.39 6.38 6.38 6.38	Turbidity (NTU) 4,90 4,31 5.05 8.90 9,60 9,60	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	032 039 3 10 309	Temp °C 14 · 87 15 · 47 15 · 56 15 · 56 15 · 54	DO (mg/L) 4, 56 4, 11 3, 20 3, 15 2, 95	ORP -77,5 -89,8 -97,0 -101,3 -104,3	clear clear ii	Color, Clarity)
Meas. 1 2 3 4 5 6 7 8 9 10	17: 17: 17: 17: 17: 17:	29 1 33 2 34 3 36 5 41 6 45 7	. Volume	DTW(ft bTOC) 10 · 61 10 · 65 10 · 72 10 · 72 10 · 72	pH 6.38 6.39 6.39 6.39 6.38 6.38 6.38	Turbidity (NTU) 4,90 4,31 5.05 8.90 9,60 9,60	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	032 039 3 10 309	Temp °C 14 · 97 15 · 47 15 · 56 15 · 56 15 · 54	DO (mg/L) 4, 56 4, 11 3, 20 3, 15 2, 95	ORP -77,5 -89,8 -97,0 -101,3 -104,3	clear clear ii	color, Clarity)



720 Olive Way, Suite 1900 Seattle, Washington 98101 (206) 287-9131

pgiof Z

PROJE	CT N	AME	: 8th A	venue	Termi	nals,	In	c.						1W-10		5-0-	
SITE A	DDR	ESS:	7400 8	8th Ave	S, Se	attle	WA	A 98109			SAMPLI		EN	1W-11	00-12	714	
		1.5					_				1	P ID:					and the same
WIN	D FRO	OM:	N	NE	E	SE		S	SW	W	NW	LIG			DIUM		HEAVY
W	EATH	ER:	SUN	INY	PRTLY	CLOU	YC	(CLO	UDY		RAIN	TEN	IPER.	ATURE:		irele annron	° C
HYDI	ROLO	GY/L	EVEL	MEAS	UREM	ENT	S	Nearest 0.01	ft)		[Product Thic	ckness]	(Wate	r Column]			er Column x Gal/ft
Da			ime	DT-B				Product	DT-W	ater	DTP-D7	TW	DTI	3-DTW		V	olume (gal)
12/1	1/14	14	:17	49.	58				9.0)4	1 - T-(224)		40	.54	X 1	6	14.
1	1	-				15	ĕ				- 1		Œ,		X 3	10	1.82
Gal/ft = (dia./2) ² x	0.163	1"=	0.041	2"=	0.16	3	3"=	0.367	4"=	0.653	6" =	1.469	10" =	4.080	12" =	5.875
		_	_	ltic Pump (Sampled via: (1) Low-flow 2	Purged 3 o	asing volumes				impled +		tid stravelt
GROU	JNDW	ATE	RSAN	APLIN	G DA	ГА							Sampl	le Depth:			[v if used]
Bottle	Туре	D	ate	Tir	me	Meth	od	Amoun	t & Volume	e mL	Preserv	ative [c	ircle[Ice	Filter	pH -	√
00 mL	HDPE	12/	7/14	15:	:15	BI		V. II	500 n	nL	H	NO3		YES	NO		
00 mL	HDPE	1	1/			1		1	500 n	nL	Н	NO3		YES	YES	=1	
00 mL	AG	1	1					4	500 n	nL	N	lone		YES	NO		V
10 mL v	ial	1	1					-3	40 m	L	I	HCI		YES	NO		V
g OJ H	DPE	J.	1						500 n	nL	N	Jone		YES	NO		V -
50mL p		1	1	- 10				1	250 n	nL	N	Jone		YES	NO		1
250mL j	oolys	1	1	- 1	:		11	10	250 n	nL	N	lone		YES	Yes		
'.AG		1.	11	V		1		2	1 L		N	Vone		YES	NO		N
		Tota	l Bottles	(include	duplicat	te coun	t):	14									
	ВО	TTLE	ГҮРЕ				_				ite non-standar						
pe ed	500 mI	HDP	E (-		-	ıls:	(Ag) (As) (Be	(Cd) (Cr) (C	Cu) (Hg)	(Ni) (Pb) (Sb)	(Se) (TI) (Zn) (Ba)			
Allow Tyl	500 mI	_			(TPH-E	017											
Sottle	40 mL	10,144		(VOCs)	(Chloric	dat)	_										
Analysis Allowed per Bottle Type	Lg OJ 1 250 mI			(LLHg)	-	ue)	_										
	1L AC		((PCBs)) -												
WAT	EROL	ALI	TY DA	TA	Purge	Start '	Γim	ne: 14 :	17			Depth	of tul	bing (ft bto	oc);		
Meas.	Tir			Volume	DTW/	ft bTC	C	pН	Turbidity (NTU)	E Co	nd (µS/cm)	Tem	p°C	DO (mg/L)	ORP		ater Quality olor, Clarity)
							_	6.80			850	5				1 Leav	faint year
	1	25	2.0		9	.0-		6 .77	1.72	_	832	14	14	1.42	58.4	coio	r, au volu
3		28		15L	9			V 1.1	1.70	8		14	15	1.00	57.8		
-	-				- 9	.00		6.66	6.31	9	127	14	.05	0.80	55. 1		
4		31		56	9	.05	_	6.00	20.60	a	244	14	.03	0.67	50, 7	sa ila	ar wismall
5		-		250	a	.06		6.67	30.8		297	1000	.04	19 57	46.7	White	purboles
6		37	5,		9		_	-	29,7	g	395		. 07	0.53	43.7		
7	1	40		75	9	.10	_	6.67				-	.02	0,49	40.8		
8	_	43	6.			.12		6.66	- E- E- I	1 4	584	-	D4	0,45	39,3		
9	_	46		1.25		13	2	6.65	13.7		807	-	_		36.3		
10	-	49	8		9	. 1	1	6.65			257	_	98	0.46	SL+ 9		
11	1	51		15	9	. 1	1	6.61	15.2		591			0.42	317		
	114:	54)	91:				1.	6.64	16.5	10	934	114	.00	0,40	32,7	[Clarity,	Colori
12	-	-	F	1 11.	1												
=	dit-1	ofo-		or (liters) le colle		NTI	١.	16.8			Turbidie	tv afte	r sam	ple colle	ction (NTI		.0

Christensen

SAMPLER:

(PRINTED NAME)



SITE ADDRESS:

720 Olive Way, Suite 1900 Seattle WA 98101

Office:

(206) 287-9130

Fax:

(206) 287-9131

EMW-100 WELL ID: 8th Avenue Terminals, Inc. PROJECT NAME:

EMW-10D-121714 SAMPLE BEEND ID: 7400 8th Ave S, Seattle WA 98109

DUP ID: 131044-01.01 PROJECT NUMBER:

WAT	TER QUALITY	Y DATA	Purge Star	t Time:		Method:	Low Flow P	Peristaltic F	ump	Pump/Bailer In	let Depth:
Time	DTW (ft)	Purge (ggl)	рН	E Cond (μS)			ORP	TDS	Salinity	Turbidity	Water Quality
14:58		10,25		11057	13,99	0.38	30,0			16.8	
										472	
		51 ====	5					11			
					-						
								1			
								1			
		(See Section Total)			(circle units)			-			(Clarity, Color)

Notes:

Kellee Christensen Sampler:

(Printed Name)

(Signature)



SAMPLER:

(PRINTED NAME)

720 Olive Way, Suite 1900 Seattle, Washington 98101 (206) 287-9131

	CT NA	AME:	8th A	venue '	Termi	nals, Inc				WELL	ID: FUY				
						ttle WA			S	AMPLE	ID: EM	W-11	5-1211	014	
										DUP		_			
WINI	FRO	M:	N	NE	E	SE	S	SW	W	NW (LIGHT	MED		I	HEAVY
	ATH	-	SUN	NY I	RTLY C	LOUDY	CLOU	TDY)	RAI	N	TEMPERA	TURE:	(F) <0		° C
				MEACI	IDEM	ENITE A	Language O O1 fe		IP	Product Thick	mess] [Water	Column	10	inde annronri [Water	Column x Gal/ft]
-			-	DT-Bo			learest 0.01 ft roduct	DT-Wat		DTP-DT		-DTW		Vo	lume (gal)
Dat	_	Tir			13	DI-I	Todact	8.9		-00	111	.14	X 1		.82
12/16	114	16:	13	20 .	10		-	2 . 1		-			Х3	5	.45
1	/	- :			(2"=	0.163	3" =	0.367	4" =	0.653	6"= 1.469	10"=	4.080	12" =	5,875
	lia./2) ² x (490.01	1"=	0.041 tic Pump (C				and the second s			(3) Purged dry, let r	ecover, and san	mpled		
				APLING			ampare					e Depth:			[V if used]
_				VV		Method	Amount	& Volume	mL	Preserva	ative [circle]	Ice	Filter	pH	V
Bottle		Da		Tir	7	B	1	500 ml			NO3	YES	NO		~
00 mL I		12/1	111	13:	10	U I		500 ml			NO3	YES	YES		~
00 mL l	-	-1	/	- 1			4	500 ml			one	YES	NO		V
00 mL		1	/	=//			3	40 mI			HCl	YES	NO		~
0 mL v		1.	1				0	500 m			lone	YES	NO	1	V
g OJ H	DPE	1	1	- 13			T.	250 m			lone	YES	NO		V
250mL p		1	1	- 23							lone	YES	Yes		V
250mL p	olys	- 1	/				1	250 m	L		lone	YES	NO	1 = 1	
T. AG		- 4	11	V		V	2	1 L		15	one	1100	21623		
		Tota	l Bottles	(include	duplica	te count):	14	(Or 1 - 1)							
	BO	TTLET	VDE						lala or verito r	non-etandar	d analysis below)				
(a				ANALYS	IS ALLO	WED PER I	(Ag) (As) (Bo)	(Cd) (Cr) (C	ble or write r	(Pb) (Sb)	d analysis below) (Se) (Tl) (Zn) (Ba)			
wed	500 mL	HDPI		Total ar	d Dissolv	ed Metals:	(Ag) (As) (Be)	(Cd) (Cr) (C	ble or write r u) (Hg) (Ni)	non-standar (Pb) (Sb)	d analysis below) (Se) (Tl) (Zn) (Ba)			
Allowed le Type	500 mL	L HDPI L AG		Total ar	d Dissolv	ed Metals:	(Ag) (As) (Be)	(Cd) (Cr) (Ci	ble or write r u) (Hg) (Ni)	non-standar) (Pb) (Sb)	d analysis below) (Se) (Tl) (Zn) (Ba)			
ysis Allowed Bottle Type	500 mL 500 mL 40 mL	L HDPI L AG vial		Total ar	d Dissolv	ved Metals:	(Ag) (As) (Be)	(Cd) (Cr) (C	ble or write r u) (Hg) (Ni)	non-standar (Pb) (Sb)	d analysis below) (Se) (TI) (Zn) (Ba)			
Analysis Allowed per Bottle Type	500 mL	L HDPI L AG vial HDPE	E	Total ar ((PAHS) ((VOCs)	(TPH-I	ved Metals:	(Ag) (As) (Be)	(Cd) (Cr) (Ci	ble or write r u) (Hg) (Ni)	non-standar (Pb) (Sb)	d analysis below) (Se) (TI) (Zn) (Ba)			
Analysis Allowed per Bottle Type	500 mL 500 mL 40 mL Lg OJ I	L HDPI L AG vial HDPE L polys	E	Total ar (PAHs) (VOCs)	(TPH-I	ved Metals:	(Ag) (As) (Be)	(Cd) (Cr) (Cl	ble or write r u) (Hg) (Ni)	non-standar (Pb) (Sb)	(Se) (TI) (Zn) (Ba)			
	500 mL 500 mL 40 mL Lg OJ I 250 mI	L HDPI L AG vial HDPE L polys	E	Total ar (PAHS) (VOCs) (TDS) (EL Hg (PCBs)	(TPH-I	ved Metals:	(Ag) (As) (Be)	(Cd) (Cr) (Cr	ble or write r u) (Hg) (Ni)	(Pb) (Sb)	d analysis below) (Se) (Tl) (Zn) (Ba)	oc):	T W	ater Quality
WAT	500 mL 500 mL 40 mL Lg OJ I 250 mL 1L AC	L HDPE L AG vial HDPE L polys	E Y	Total ar (PAHS) (VOCs) (TDS) (TL Hg (PCBs)	(Chlorical Purge	del) Start Tim	(Ag) (As) (Be)	(Cit capping) (Cd) (Cr) (Co	u) (Hg) (Ni)	non-standar (Pb) (Sb) (Sb) (μS/cm)	(Se) (TI) (Zn) (bing (ft bto			ater Quality olor, Clarity)
WAT	500 mL 500 mL 40 mL Lg OJ I 250 mL 1L AC	L HDPI L AG vial HDPE L polys G JALIT	E Y DA	Total ar (PAHS) (VOCS) (TDS) (EL Hg (PCBs) ATA	(Chlori	ved Metals: de) Start Tim (ft bTOC)	(Ag) (As) (Be)	Turbidity (NTU)	u) (Hg) (Ni)	(μS/cm)	Depth of tu	bing (ft bto		Croud	olor, Clarity)
WAT	500 mL 500 mL 40 mL Lg OJ 1 250 mL 1L AO ER QU	L HDPE L AG vial HDPE L polys 3 JALIT me	TY DA	(PAHS) (VOCS) (TDS) (TL Hg (PCBs) TA	(Chlorical Purge	del) Start Tin (ft bTOC)	(Ag) (As) (Be) ne: : pH	Turbidity (NTU)	u) (Hg) (Ni)	(μS/cm)	Depth of tu	bing (ft bto	ORP	Croud	olor, Clarity)
Meas.	500 mL 500 mL 40 mL Lg OJ 1 250 mL 1L AC ER QU Tir	L HDPE L AG vial HDPE L polys G JALIT me	Cum,	Total ar (PAHS) (VOCS) (TDS) (TLL Hg (PCBs) ATA Volume	(Chlorical Purge DTW)	de)) Start Tim (ft bTOC) . 9 9	(Ag) (As) (Be) He: : PH 6.52	Turbidity (NTU) 218 165	E Cond	(μS/cm)	Depth of tu Temp °C	bing (ft bto DO (mg/L)	ORP 28.7	Good Sligt	olor, Clarity) Ly light w nt odor
Meas. 1 2 3	500 mL 500 mL 40 mL Lg OJ I 250 mL 1L AO ER QU Tir 1 2: 1 2:	L HDPE L AG vial HDPE L polys G JALIT me::18	Cum. 2. (2. (2.)	Total ar (PAHS) (VOCS) (TDS) (TLL Hg (PCBs) ATA Volume 2 5 L) L	(Chlori	de) Start Tim (ft bTOC) . 9 9	(Ag) (As) (Be) He: : PH 6 .52 6 .49 6 .49	Turbidity (NTU) 218 165 890	E Cond 51 47	(μS/cm)	Depth of tu Temp °C 14 :33 14 :49 14 :54	bing (ft bto DO (mg/L) 3.40 1.56	ORP 28.7 16.7	Good Slight	olor, Clarity) Y light w not odlor W/ brownis
Meas. 1 2 3 4	500 mL 500 mL 40 mL Lg OJ I 250 mL 1L AC Tir 1 2: 1 2: 1 2:	L HDPI L AG vial HDPE L polys G JALIT me : 18 : 21 : 24 : 24	Cum. 1. 2. (2. 3.	Total ar (PAHS) (VOCS) (TDS) (TLL H8 (PCBs) TA Volume 2 5 L 1 5 L	(Chlorie Purge DTW(de) Start Tin (ft bTOC) 99 00 00 00 00 00 00 00 00 0	(Ag) (As) (Be) He: PH 6.52 6.49 6.49	Turbidity (NTU) 218 165 890 583	E Cond S1 47 45	(μS/cm) 1 7 2 8	Depth of tu Temp °C 14 :33	bing (ft bto DO (mg/L) 3.40 1.56	ORP 28.7 16.7 12.0	Good Slight	olor, Clarity) Ly light w nt odor
Meas. 1 2 3 4 5	500 mL 500 mL 40 mL Lg OJ 1 250 mL 1L AC ER QU Tir 1 2: 1 2: 1 2: 1 2:	L HDPI L AG vial HDPE L polys G JALIT me : 18 : 21 : 21 : 24 : 27	Cum, 2. (2. 5. 4	Total ar (PAHS) (VOCS) (TDS) (TLL HS) (PCBs) ATA Volume 2 S L 2 S L 2 S L	(Chlorical Purge DTW)	Start Tim (ft bTOC) 99 00 00 00 00 01 01	(Ag) (As) (Be) He: : PH 6 .52 6 .49 6 .49	Turbidity (NTU) 218 165 890 583 43.2	E Cond S1 47 45	(μS/cm) 1 7 2 5 8	Depth of tu Temp °C 14 :33 14 :49 14 :53	bing (ft bto DO (mg/L) 3. 40 1.56 1.28	ORP 28.7 16.7 12.0 6.6	Good Slight	olor, Clarity) Y light w not odlor W/braunis
Meas. 1 2 3 4 5	500 mL 500 mL 40 mL Lg OJ I 250 mL 1L AC ER QU Tir 1 2: 1 2: 1 2: 1 2: 1 2: 1 2: 1 2:	L HDPI L AG vial HDPE L polys G JALIT me : 18 : 21 : 24 : 27 : 30 : 33	Cum. 1.2.(2.(3.4) 5.	Total ar (PAHS) (VOCS) (TDS) (TLL He (PCBs) TTA Volume 2 S L 1 S L 2 S L 2 S L	(Chlories) Purge DTW(9 9 9	de) Start Tim (ft bTOC) . 9 9 . 0 0 . 0 1 . 0 1	(Ag) (As) (Be) ie: pH 6.52 6.49 6.49 6.48 6.46 6.45	Turbidity (NTU) 218 165 890 583 43.2 29,5	E Cond S1 47 45 45	(μS/cm) 1 7 2 8	Depth of tu Temp °C 14 :33 14 :49 14 :53 14 :51	bing (ft btc DO (mg/L) 3.40 1.56 1.28 0.94 0.75	ORP 28.7 16.7 12.0 6.6 3.2	Good Slight	olor, Clarity) Y light w not odlor W/braunis
Meas. 1 2 3 4 5 6 7	500 mL 500 mL 40 mL Lg OJ I 250 mL 11. AC ER QU Tir 12: 12: 12: 12: 12: 12:	L HDPI L AG vial HDPE L polys G JALIT me: 18:21:24:27:30:33:35:36	Cum. 1.2.(2.(3.4) 5.	Total ar (PAHS) (VOCS) (TDS) (TL Hg (PCBs) TA Volume 2 S L 2 S L 2 S L 0 L 7 S L	(Chlorical Purge DTW)	Start Tim (ft bTOC) . 9 9 . 0 0 . 0 1 . 0 1	(Ag) (As) (Be) He: PH 6.52 6.49 6.48 6.46 6.45 6.47	Turbidity (NTU) 218 165 890 583 43.2 29,5	E Cond S1 47 45 45 45	(μS/cm) 1 7 2 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Depth of tu Temp °C 14 :33 14 :54 14 :53 14 :51 14 :58	bing (ft bto DO (mg/L) 3. 40 1.56 1.28 0.94 0.75 0.76 0,63	ORP 28.7 16.7 12.0 6.6 3.2 -0.3 -5.4	Clear orang	olor, Clarity) Y light w not odlor W/braunis
Meas. 1 2 3 4 5 6 7	500 mL 500 mL 40 mL Lg OJ 1 250 mI 1L AC ER QU Tir 12: 12: 12: 12: 12: 12: 12: 12:	HDPE LAG vial HDPE L polys G JALIT me :18 :21 :21 :21 :21 :30 :33 :35	Cum. 1.2. (2. (2. 3. 4. 4. 5. 5. (4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4	Total ar (PAHS) (VOCS) (TDS) (TLL HS) (PCBS) ATA Volume 2 S L 2 S L 2 S L 2 S L 3 L	C(Chloric C) Purge DTW(9 9 9 9 9	start Tim (ft bTOC) . 99 . 00 . 01 . 01 . 01	(Ag) (As) (Be) ie: pH 6.52 6.49 6.49 6.48 6.46 6.45 6.47 6.47	Turbidity (NTU) 218 165 890 583 43.2 29,5 19,4	ECond S1 47 45 45 45 45 45 45 45	(μS/cm) 1 7 2 8 7 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Depth of tu Temp °C 14 .33 14 .49 14 .53 14 .51 14 .56 14 .58 14 .57	bing (ft bto DO (mg/L) 3.40 1.56 1.28 0.94 0.75 0.76 0.63	ORP 28.7 16.7 12.0 6.6 3.2 -0.3 -5.4 -7.2	Clear orang	olor, Clarity) Y light w not odlor W/braunis
WAT Meas. 1 2 3 4 5 6 7 8	500 mL 500 mL 40 mL Lg OJ 1 250 mI 1L AO ER QU Tir 12: 12: 12: 12: 12: 12: 12: 12:	HDPE LAG vial HDPE L polys G JALIT me : 18 : 21 : 21 : 21 : 21 : 30 : 33 : 35 : 39 : 72	Cum. 2. (2. 7. 5. (7.	Total ar (PAHS) (VOCS) (TICHE (PCBS) TTA Volume 25L 0 L 15L 5 L 25L 0 L 15L 5 L	CChlori CChlor	Start Tim Star	(Ag) (As) (Be) ie: pH 6.49 6.48 6.46 6.47 6.47 6.45	Turbidity (NTU) 218 165 890 583 43.2 29,5 19,4 13,4 9,24	E Cond S1 47 45 45 45 45	(μS/cm) 1 7 2 8 7 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Depth of tu Temp °C 14 .33 14 .49 14 .53 14 .51 14 .56 14 .58 14 .57 14 .50	bing (ft bto DO (mg/L) 3. 40 1.56 1.28 0.94 0.75 0.76 0,63	ORP 28.7 16.7 12.0 6.6 3.2 -0.3 -5.4 -7.2 -11.9	Cloud Sligh Clear	olor, Clarity) Y light what odlor W/braunis
Meas. 1 2 3 4 5 6 7 8 9 10	500 mL 500 mL 40 mL Lg OJ 1 250 mL 11 AC ER QU 12: 12: 12: 12: 12: 12: 12: 12:	HDPE L polys G JALIT 18 : 21 : 24 : 27 : 30 : 33 : 36 : 39 : 17 2 : 45	Cum, 2. (2. 3. 4 5. 5. (4. 7. 8)	Total ar (PAHS) (VOCA) (TOS) (TIL HS) (PCBS) ATA Volume 2 S L 2 S L	C(Chloric C) Purge DTW(9 9 9 9 9	Start Time	(Ag) (As) (Be) (Ag) (As) (Be) (Ag) (As) (Be) (Ag) (As) (Be) (Ag) (As) (Be)	Turbidity (NTU) 218 165 890 583 43.2 29,5 19.4 13.4 9.24 7.58	E Cond S1 47 45 45 45 45	(μS/cm) 1 7 2 8 7 5 6 7 5 7 5 7 5 7 5 7 5 7 5 7 7 7 7 7	Depth of tu Temp °C 14 .33 14 .51 14 .53 14 .51 14 .58 14 .57 14 .57	bing (ft bto DO (mg/L) 3. 40 1.56 1.28 0.94 0.75 0.76 0.63 1.07 1.14 1.00	ORP 28.7 16.7 12.0 6.6 3.2 -0.3 -5.4 -7.2 -11.9 -14.3	Cloud Sligh Clear	olor, Clarity) Y light what odlor W/braunis
Meas. 1 2 3 4 5 6 7 8 9 10	500 mL 500 mL 40 mL Lg OJ 1 250 mL 11 AC ER QU 12: 12: 12: 12: 12: 12: 12: 12:	HDPE LAG vial HDPE L polys G JALIT me : 18 : 21 : 21 : 21 : 21 : 30 : 33 : 35 : 39 : 72	Cum, 2. (2. 3. 4 5. 5. (4. 7. 8)	Total ar (PAHS) (VOCS) (TICHE (PCBS) TTA Volume 25L 0 L 15L 5 L 25L 0 L 15L 5 L	CChlori CChlor	Start Tim Star	(Ag) (As) (Be) ie: pH 6.49 6.48 6.46 6.47 6.47 6.45	Turbidity (NTU) 218 165 890 583 43.2 29,5 19,4 13,4 9,24 7,58	E Cond S1 47 45 45 45 45	(μS/cm) 1 7 2 8 7 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Depth of tu Temp °C 14 .33 14 .49 14 .53 14 .51 14 .56 14 .58 14 .57 14 .50	bing (ft bto DO (mg/L) 3. 40 1.56 1.28 0.94 0.75 0.76 0.63 1.07 1.14 1.00	ORP 28.7 16.7 12.0 6.6 3.2 -0.3 -5.4 -7.2 -11.9	Cloud Sligh Clear	olor, Clarity) Y light what odlor W/braunis
Meas. 1 2 3 4 5 6 7 8 9 10	500 mL 500 mL 40 mL Lg OJ 1 250 mL 11 AC ER QU 12: 12: 12: 12: 12: 12: 12: 12:	HDPE L polys G JALIT 18 : 21 : 24 : 27 : 30 : 33 : 36 : 39 : 17 2 : 45	Cum. 1.2.(2.(3.4) 5. 5. (4.4) 7. (8.4)	Total ar (PAHS) (VOCA) (TOS) (TIL HS) (PCBS) ATA Volume 2 S L 2 S L	CChlori CChlor	Start Time	(Ag) (As) (Be) (Ag) (As) (Be) (Ag) (As) (Be) (Ag) (As) (Be) (Ag) (As) (Be)	Turbidity (NTU) 218 165 890 583 43.2 29,5 19.4 13.4 9.24 7.58	E Cond S1 47 45 45 45 45	(μS/cm) 1 7 2 8 7 5 6 7 5 7 5 7 5 7 5 7 5 7 5 7 7 7 7 7	Depth of tu Temp °C 14 .33 14 .51 14 .53 14 .51 14 .58 14 .57 14 .57	bing (ft bto DO (mg/L) 3. 40 1.56 1.28 0.94 0.75 0.76 0.63 1.07 1.14 1.00	ORP 28.7 16.7 12.0 6.6 3.2 -0.3 -5.4 -7.2 -11.9 -14.3	Cloud Sligh Clear	olor, Clarity) Y light work odor W/ branis e purble



SAMPLER:

(PRINTED NAME)

720 Olive Way, Suite 1900 Seattle, Washington 98101

ROJE	CT NAN	ME: 8th A	venue 7	Terminal	s, Inc					ID: EW				
ITE A	DDRES	S: 7400	8th Ave	S, Seattl	e WA	98109				ID: EMU	1-125-	20141	219	
-									DUP		3,500	T.	-	TEANN/
WINI	D FROM	1: N	NE		SE	S	SW	W	NW	LIGHT)	MEDI		1	HEAVY °C
W	EATHER	R: SUN	INY P	RTLY CLC	UDY	CLOU	DY	R	AIN	TEMPERA	ATURE:		ircle annronri	
HVDE	OLOGY	V/I EVEL	MEASL	JREMEN	ITS (N	learest 0.01 ft)		[Product Thick	ness [Water	Column		[Water	Column x Gal/ft)
Dat		Time	DT-Bo			roduct	DT-Wa	ter	DTP-DT	W DTB	-DTW		Vo	lume (gal)
2/19		9:32	19.	9	- 4		13.	25		6	.65	X 1	1	.08
1	1	:			6	A		/1	£42			Х3	3	. 25
Gal/ft = (e	dia./2)2 x 0.10	63 1" =	0.041	2"= 0	.163	3" =	0.367	4" =	- T-	6" = 1.469	10" =	4.080	12" =	5.875
		erra (B) Perista	iltic Pump (C)	Disposable B	ailer S	ampled via: (1)	Low-flow (2)	Purged 3 cas	sing volumes (3) Purged dry, let t		pled		(√if used)
GROU	NDWA	TER SA	MPLINC	G DATA						Sampl	e Depth:			A DOME
Bottle	Туре	Date	Tin	ne Me	ethod	Amount	& Volume	mL		tive (circle)	Ice	Filter	pH	√
00 mL l		2119/14					500 m	L	HN	VO3 /-/	YES	NO		
00 mL		2/4/19			= 7	1	500 m	L	/ HN	NO3	YES	YES		
500 mL	AG IS	2119/14		10 = 4		4	500 m	ıL.	N	one	YES	NO		
10 mL v	_	2/19/14	:			3	40 m	L.	H	ICI	YES	NO		
g OJ H		2/19/14		265		1	500 m	ìL.	N	one	YES	NO		
250mL p		2/19/14	- 1			1	250 n	nL	N	one	YES	NO		
250mL j	-	2/19/14				1	250 n	nL.	N	one	YES	Yes	-	
· AG		2/19/14				2	1 t.		\N	one /	YES	NO		
		Total Bottle			ount):	14				/				
		TLE TYPE	ANALYSI	S ALLOWE	D-PER P	SOTTLE TYPE	(Circle applic	able or wri	te non-standard	t analysis below,				
D o	500 mL F	HDPE	Total and	d Dissolved	Metals:	(Ag) (As) (Be)	(Cd) (Cr) (C	Cu) (Hg) (Ni) (Pb) (Sb)	(Se) (Tl) (Zn) ((Ba)			
Typ	500 mL A		(PAHs)	(TPH-D)										
sis A	40 mL via		(VOCs)					_						
Analysis Allowed per Bottle Type	Lg OJ HI		(TDS)	(Chloride)	>									
A II	250 mL p	oolys	(PCBs)	/	_									
WAT		LITY D	-	Purge Sta	art Tim	ne: 19:	32			Depth of tu	bing (ft bto	oc);	1 107	ater Quality
WAL		7				1500	Turbidity	F.C.	1 (.C/mm)	T °C	DO (mg/L)	ORP	1	olor, Clarity)
	Time	Cum.	Volume	DTW(ft l		pН	(NTU)		nd (μS/cm)					
Meas.		1	1-	13.	33	6.64	1.77		57.5	12.8	1,78	123.7	Clev	, color 185
Meas.	19:3	1	0	-		1 1	,93	37	7 /7	12.7	1.31	132,8		
	19:3 @19:L		,2	13.	38	6.4		-		.0 7	1 1	1-0/ 1		1
1		10 3		13.	38	6.33	.90	36	6,6	12.7	1.16	136,6		
1 2	219:L	40 3	,2	13.	44	6.33		36 36	4.1	12.7	1.14	139,5		
2 3	19:4	to 3 14 4 18 6	, 2	13.1	44	6.33	.90	36 36	6,6		11			
1 2 3 4	19:4	to 3 14 4 18 6	.2 .8 .4	13.1	44	6.33	.90	36 36	4.1	12.7	11	139,5		
1 2 3 4 5	19:4	to 3 14 4 18 6	.2 .8 .4	13.13.13.	44	6.33	.90	36 36	4.1	12.7	11	139,5		
1 2 3 4 5	19:4	to 3 14 4 18 6	.2 .8 .4	13.13.13.	44	6.33	.90	36 36	4.1	12.7	11	139,5		
1 2 3 4 5 6	19:4 19:4 19:4	to 3 14 4 18 6	.2 .8 .4	13.	44	6.33	.90 .74 .77	36 36	4.1	12.7	11	139,5		
1 2 3 4 5 6 7 8	19:4 19:4 19:4	to 3 14 4 18 6	.2 .8 .4	13.13.13.	44	6.33	.90 .74 .77	36 36	4.1	12.7	11	139,5		
1 2 3 4 5 6 7 8	19:4 19:4	to 3 14 4 18 6	.2 .8 .4	13.13.13.	44	6.35	.90 .74 .77	36 36	4.1	12.7	11	139,5		
1 2 3 4 5 6 7 8 9	219:00 19:41 19:41	to 3 14 4 18 6	.2 .8 .4	13.13.13.	44 48 52	6.35	.90 .74 .77	36 36	4.1	12.7	11	139,5		, Color[

A >	ANCHOR GEA
X	QEA SEE
_	4 GLIL COL

SAMPLER:

(PRINTED NAME)

720 Olive Way, Suite 1900 Seattle, Washington 98101 (206) 287-9131

						nals, In					L ID:		MW-	135	/	
SITE A	DDR	ESS:	7400 8	8th Ave	S, Sea	attle WA	98109						1W-13	3.5-1	2161	11 13 011
100										DU	P ID:	EM	W-60	35-1	2/61	4 6 1940
WIN	D FRO	M:	N	NE	E	SE	(5)	SW	W	NW		HT	MED			HEAVY
W	EATH	ER:	SUN	INY I	PRTLY	CLOUDY	CLO	UDY)	I	RAIN	TEN	MPER.	ATURE:		1.3	° C
HVDI	010	CVI	EVEL	MEASI	IREM	ENTS (Nearest 0.01 f	()		[Product Th	ickness)	[Wate	r Column)	10	Tircle appropri	er Column x Gal/ft]
Da			me	DT-Bo			roduct	DT-Wa	iter	DTP-D	TW	DTE	B-DTW		V	olume (gal)
		_		.9	0			10	121			- 9	. 16	X 1		1.49
12/14	6//4/	11	:43	11.	0			10.	67			,		Х3		4.47
/ -	7	1	;		-	1	3" =	0,367	4" =	0,653	6"=	1.469	10" =	4.080	12" =	5.875
	dia./2) ² x		1"=	0.041	2"=	0.163	Sampled via: (1			116761				10000		
				ltic Pump (C			Sampled via: Q) LOW-HOW (2)	Targease	asara romanes	47,000		le Depth:	1.6	9/	[v if used]
				MPLING			American	t & Volume	mI	Procorr	vative		Toe	Filter	рН	- V
Bottle			ate	Tir	00	Method	Amoun	-	1	-	INO3	ircie]	YES	NO	P	
00 mL	HDPE	:11	16/14	191:	20	3	1	/500 m	1		-		1	YES		V/
00 mL	HDPE	1	1		/	1	-/-	500 m	-	- 1	INO3		YES			1
500 mL	AG	1	//	1		1	4	500 m	ıL	-	None		YES	NO		V/
0 mL v	ial	1	1				-3	40 m	L	1 5 1	HCI		YES	NO		1/
Lg OJ H	IDPE	1	Y	1:			i i	500 n	ıL		None		YES	NO		1
250mL p	oolys	1	1			-	1	250 n	nL	1000	None		YES	NO		V,
250mL p	mL polys / /				(F	1	1	250 n	nL.		None		YES	Yes		1
¹L AG		1	1	V	/	V	2	11		. 1	None		YES	NO		
		Tota	al Bottles	(include	duplicat	te count):	14	+14	100	0) =	28	<				
	ВС	TTLE		ANALYS	IS ALLO	WED PER	BOTTLE TYPE	(Circle applic	able or w	ite non-standa	ard analys	is below				
P 0	500 ml	L HDF	E (Total an	d Dissolv	red Metals:	(Ag) (As) (Be	(Cd) (Cr) (C	Cu) (Hg)	(Ni) (Pb) (Sb) (Se) (T	1) (Zn) ((Ba)			
Analysis Allowed per Bottle Type	500 ml			1	(TPH-I	0))					_					
sis A ottle	40 mL			(VOCs)	-				-		_	_				
er B	Lg OJ			(TDS)	Chlorie	de)					_	_				
Αď	250 m		S	(LL Hg)					_							
XAT A TEL		_	TVDA	-	Purae	Start Tim	ne: /7 :	50			Dept	h of tu	bing (ft bto	oc): 16	5/	
WAI	ERQU	JALI	TY DA	IA	ruige	Start Till		Turbidity	-						11	Vater Quality
Meas.	Ti	me	Cum.	Volume	DTW(ft bTOC)	pН	(NTU)	E Co	nd (µS/cm)	Ter	np °C	DO (mg/L)	ORP	(0	Color, Clarity)
	17	CU	13	7 2	-11	.55	8.15	23.46	9	439	0	./	6.78	36-4	1/2	nost clear
2	1-7	58	-	10	11	.50	8.11	1438	9	494	9	.2	5.75	41.7	cleo	r, colorles
3	10	:02	3.	10	11	.84	7.09	24.05	9	5/2	9	.2	5.73	43.4	aln.	it clour
	10	:06	U	20	17	22	8.11	4125	0	541	07	. 2	E.63	43.6	13	11
4	18	10	1	0 X	11	. 91	\$10	48 72	0	550	0	. 2	5.71	42.0	i t	M
5	18	10	3.	BK	- []	50	0.10	24 67	9	570	1	.7	490	33.5	11	11
6	18	14	0,	20	1/	.85	0.17	2012	0	570	1 9	2	4 (11	35.9	1	12
7	18	18	6	XX	-H		5.16	20 10	9	567	0	1.3	444	32 7	+1	11
8	18	47	3,	CX	11	1.0	3.11	21-10	2	- /./	1	, 2	425	33-8	5 1	IV
9	18	: 26	31	8 1	-11	.89	5.17	20-10	1	507	-	2	11.52	377	- 11	
10	18	30	9,	6 K	11	.93	6.20	25.05	7	100	1 3	3	11.33	77.1	1	
11	18	:34	16.	42	11	.94	8 22	234	75	100	1	. 3	7,60	200		- 1
12	18	:39	1/	22	11	.96	8.23	20-67	11/	134	17	. 5	17.54	30.2		, Color)
				s or liters		/				Table	: 60 - 61	OF COM	nle colle	ction (NT		00 /15
		efor	e samp	ole colle	ection	(NTU):			_	Turbia	ny art	er sail	ipie cone	CHOII (IVI	٥,٠	10
Comm	ents:															
															-0	1



720 Olive Way, Suite 1900 Seattle WA 98101

Office:

(206) 287-9130

Fax:

EMW-

(206) 287-9131

PROJECT NAME:

8th Avenue Terminals, Inc.

WELL ID:

00/20/ 3131

SITE ADDRESS:

7400 8th Ave S, Seattle WA 98109

BLIND ID: EMW-13

-121614

PROJECT NUMBER:

131044-01.01

DUP ID:

\Λ/ΔΤ	TER QUALITY	/ DATA	Purge Start	Time:		Method:	Low Flow Po	eristaltic P	ump	Pump/Bailer	Inlet Depth:
Time	DTW (ft)	Purge (gał)			*FTemp CC	DO (mg/L)	ORP	TDS	Salinity	Turbidity	Water Quality
15/42	11.98	12.00	8.23	9478	9.4	4.47	29.8	-	-	22.10	clear wholes
1846	12.01	12,82	8.25	9463	9.4	4.49	29.9	1		21.99	31 11
1850	12.05	13.68	8.24	9476	9,3	4.60	31.3	-	-	29.58	11 11
1854	12.06	1440	8.25	9465	9.3	4.54	3/./	4	-	18,76	11 ()
1858	1203	15.20	8.27	9445	9.3	4.41	30.7		-	11.26	1) ()
1902	12.0 i	16 02	8.27	9446	7.3	4.46	30.8	10-		9.25	11 1
1306	12.03	16.80	8.28	9444	9.3	4.56	30 8		1	7.80	u u
1910	12.05	17.60	8.28	9441	9.3	4.5.7	30-9	-	-	7.95	(1)
	P 22										
					(aliata valta)						(Clarity, Color)

(Cummulative Totals)

Icircle units

Notes:

py 20f2

Sampler:

(Printed Name)

(Signature)



SAMPLER: Kelle Christensen

720 Olive Way, Suite 1900 Seattle, Washington 98101 (206) 287-9131

						inals, In		_		LL ID: LE ID:		1W-14	D-1211	Alle	
DITE	ADDR	E55:	7400	8th Av	e 5, Se	attle W	A 98109			UP ID:		10 - 19	11/11/11	014	
TATEL	D FRC	[Air	r	I er I	c	(CM)		_	GHT	ME	DIUM		HEAVY
	D FRC	-	N	NE	E	SE CLOUDY	S	(SW)	W NW RAIN			ATURE:			PEAVI
VV	EATH	EK:[501	VNY	PRILI	CLOUDI	CLC	ODI 1	KAIN		WII EIN	ATOKE.		Circle approp	
HYD	ROLO						Nearest 0.01		[Product		T	er Column]	1		er Column x Gal/ft
Da	te		ime	_	ottom	DT-	Product	DT-Wa	iter DTP-	DTW	DT	B-DTW	100	V	olume (gal)
12/11	114	16	:36	48	.59	1 1		10 .	86 -		3	1.73	X1	(0.15
/	1	. 6.4	:			VI Ser	-	- 20	- 4	-		*	Х3	18	.45
Gal/ft = (dia./2)2 x	0.163	1"=	0.041	2"=	0.163	3"=	0.367	4" = 0.653	6"≒	1.469	10"=	4.080	12" =	5.875
			_	altic Pump (Sampled via: (1) Low-flow (2)	Purged 3 casing volume	s (3) Purg	_		ampled		[Vifused]
				MPLIN		1					-	le Depth:			
Bottle		D	ate	Ti	me	Method	Amour	nt & Volume	mL Prese	rvative	[circle]	Ice	Filter	pН	V
00 mL	HDPE	121	W/17	18	:00	BI		500 m	L	HNO3		YES	NO	72 71	V
00 mL	HDPE	1	11				1	500 m	L	HNO3		YES	YES	j===1	V
00 mL	AG	1	1				4	500 m	L	None	-	YES	NO	. —	/
0 mL v	ial	1	1		:		3	40 ml	4	HCI		YES	NO		V
g OJ H	DPE	1	1				1	500 m	L	None		YES	NO	75	V
50mL j	oolys	1	1				- (-	250 m	L	None		YES	NO	13.44	V
50mL p		- 1	1	TI.				250 m	L	None		YES	Yes		~
T. AG	10.77	1	VI	V		11	2	1 L.		None		YES	NO	1 2 3 1	V
		LOLG													
pa e	500 mL	TTLE T	YPE	ANALY5	IS ALLO				ble or write-non-stand u) (Hg) (Ni) (Pb) (S						
Ilowed		TTLE T	YPE	ANALYS Total ar	IS ALLO	WED PER ed Metals:	BOTTLE TYPI								
sis Allowed ottle Type	500 mL 500 mL 40 mL v	TTLE T HDPI AG vial	YPE	Total ar (PAHs)	d Dissolv	WED PER	BOTTLE TYPI								
nalysis Allowed er Bottle Type	500 mL 500 mL 40 mL v Lg OJ F	HDPI AG vial	YPE E	Total ar (PAHs) (VOCs)	d Dissolv (TPH-D	WED PER	BOTTLE TYPI								
Analysis Allowed per Bottle Type	500 mL 500 mL 40 mL v Lg OJ F 250 mL	HDPI AG vial HDPE polys	YPE E	(PAHs) (VOCs) (LL Hg	d Dissolv (TPH-D	WED PER	BOTTLE TYPI								
Analysis Allowed per Bottle Type	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG	HDPI AG vial HDPE polys	YPE E	ANALYS Total ar (PAHs) (VOCs) (TDS) (LL Hg) (PCBs)	(Chloric	wed Perved Metals:	BOTTLE TYPI (Ag) (As) (Be	e) (Cd) (Cr) (Cd		b) (Se) (I	(Zn) (Ba)	ne).		
1	500 mL 500 mL 40 mL v Lg OJ F 250 mL	HDPI AG vial HDPE polys	YPE E	ANALYS Total ar (PAHs) (VOCs) (TDS) (LL Hg) (PCBs)	(Chloric	WED PER	BOTTLE TYPI (Ag) (As) (Be			b) (Se) (I	(Zn) (oc);	1 2 2 2 2 2	ater Quality
VATI	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG	HDPI AG vial HDPE polys	YPE E	(PAHs) (VOCs) (IDS) (LL Hg (PCBs)	(Chloric	wed Perved Metals:	BOTTLE TYPI (Ag) (As) (Be	30		b) (Se) (I	th of tu	Ba)		1 2 2 2 2 2	ater Quality olor, Clarity)
VATI	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG	ALIT	YPE E TY DA Cum. 1	Total at (PAHs) (VOCs) (ILL Hg (PCBs) TA	(Chloric	wed Perved Metals: (de) Start Tim	BOTTLE TYPI (Ag) (As) (Be	(NTU)	u) (Hg) (Ni) (Pb) (S	b) (Se) (I	th of tu	bing (ft bto		(Co	olor, Clarity)
VATI Meas.	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG ER QU	HDPE polys ALIT	YPE E TY DA Cum. 1	(PAHs) (VOCs) (ILL Hg. (PCBs) TA	(Chloric	wed Perved Metals: de) Start Tim ft bTOC)	BOTTLE TYPI (Ag) (As) (Be	360 Turbidity (NTU)	E Cond (μS/cm	b) (Se) (I	th of tu	bing (ft bto	ORP	Clear	olor, Clarity)
WATI Meas.	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG ER QU.	ALITINE	TY DA Cum. 1.2 2.0	ANALYS Total ar (PAHs) (VOCs) (ITOS) (ILL Hg (PCBs) TA	(Chloric	wed Perved Metals: b) Start Tim ft bTOC)	BOTTLE TYPI (Ag) (As) (Be) ne: [6 : pH 6 .70 6 .78	30 Turbidity (NTU) 4. Ze) 16, 20	E Cond (μS/cm	Dept) Ten	th of tul np°C 37	bing (ft bto DO (mg/L) & 6.3 4,89	ORP	Clear Slight	olor, Clarity)
Meas.	500 mL 500 mL 40 mL Lg OJ F 250 mL 1L AG ER QU	HDPE AG vial HDPE polys ALITHE	TY DA Cum. 1.2 2.0 2.7	ANALYS Total ar (PAHs) (VOCs) (ILL Hg (PCBs) TA	(Chloric	wed Perved Metals: (de) Start Tim ft bTOC) . 01 . 04 . 12	DETTLE TYPE (Ag) (As) (Be DETTLE TYPE (Ag) (As) (Be DETTLE TYPE DET	36 Turbidity (NTU) 4.20 10.3	E Cond (µS/cm	Dept) Ten	th of tul th of tul mp °C .37 .62	bing (ft bto DO (mg/L) & 6.3 4.89 5.8.2	ORP -(27,3 -133, 1 -125,3	Clear Slight Clear	olor, Clarity) To lookes Foceion od To with
Meas. 1 2 3	500 mL 500 mL 40 mL Lg OJ F 250 mL 1L AG ER QU Tim	HDPI AG vial HDPE polys ALIT H1	Cum. 1.2 2.0 2.7	(PAHs) (VOCs) (ILL Hg) (PCBs) (PCBs) (PS)	(Chloric	wed Perved Metals: b) Start Tim ft bTOC) . 01 . 04 . 12 . 21	pH 6.70 6.78 6.78	36 Turbidity (NTU) 4. ZO 16, 20 103 204	E Cond (µS/cm 6963 8077 8770 9225	Dept) Ten 14 14 14	th of tu mp °C .37 .62 .60	bing (ft bto DO (mg/L) & 6.3 4,89	ORP -(27,3 -133, 1 -125,3 -(W, 1	Clear Slight Clear White	olor, Clarity) Tolories Foceronod Tolories Particles
WATI Meas. 1 2 3 4 5	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG Tim 1 U : 1 1 U : 1 1 U : 1	HDPP AG vial HDPE polys ALIT H1	Cum. 1.2 2.0 2.1	ANALYS Total ar (PAHs) (VOCs) (ILL Hg (PCBs) TA Volume	(Chloric	wed Perved Metals: b) Start Tim ft bTOC) .01 .12 .25	(Ag) (As) (Be) He: [6: pH] 6: 78 6: 78 6: 82	36 Turbidity (NTU) 4.20 16.20 103 204	E Cond (µS/cm 6963 8777 8770 9225 8757	Dept) Ten 14 14 14	th of tul mp °C .37 .62 .60 .60	bing (ft bto DO (mg/L) & 6.3 4,89 5,82 7,15	ORP -127,3 -133, 1 -125,3 -120, 1 -123,2	Clear Slight Clear White Clords	plor, Clarity) Tolories Tolories
VATI Meas. 1 2 3 4 5	500 mL 500 mL 40 mL Lg OJ F 250 mL 1L AG ER QU Tim Lg OJ F 1L AG IL A	HDPP AG vial HDPE polys ALIT HTP HTP HTP HTP HTP HTP HTP HTP HTP HT	TY DA Cum. 1.2 2.0 2.7 3.5	ANALYS Total at (PAHs) (VOCs) (ILL Hg (PCBs) TA	(Chloric	Start Time Start Time OF 12 OF 12	BOTTLE TYPI (Ag) (As) (Be Be: [6: PH 6:70 6:78 6:79 6:82 6:80	36 Turbidity (NTU) 4.20 16,20 103 204 321 514	E Cond (µS/cm 6963 8770 9225 8757 9702	Dept) Ten 14 14 14	th of tul mp °C .37 .66 .60 .60 .57	bing (ft bto DO (mg/L) & 6.3 4.89 5.8.2 7.15 7.72	ORP -(27,3 -133, 1 -125,3 -(120, 1 -123,2 -113,3	Clear Slight Clear White Clords	olor, Clarity) Tolories Foceronod Tolories Particles
Meas. 1 2 3 4 5 6 7	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG ER QU. Tim	HDPP AG vial HDPE polys ALIT 41 41 50 53 56 57	Cum. 1.2 2.0 2.7 3.5 4.1	ANALYS Total an (PAHs) (VOCs) (ILL Hg (PCBs) TA Volume	(Chloric	wed Perved Metals: (b) Start Tim ft bTOC) . 01 . 12 . 21 . 25 . 27	BOTTLE TYPI (Ag) (As) (Be BE: 6 : PH 6 :70 6 :78 6 :78 6 :79 6 :82 6 :80 6 :81	36 Turbidity (NTU) 4.20 16.20 10.3 20.4 32.1 514 201	E Cond (µS/cm 6963 8777 8770 9225 8757 9702 9614	Dept) Ten 14 14 14 14	th of tul mp °C .37 .60 .60 .60 .57	bing (ft bto DO (mg/L) & 6.3 4,89 5,82 7,15 7,72 4,08	ORP -(27,3 -(33,1 -(125,3 -(120,1 -(123,2 -(13,3) -(133,5)	Clear Slight Clear White Clords	plor, Clarity) Tolories Tolories
Meas. 1 2 3 4 5 6 7 8	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG Tim 10 :1 10 :1 10 :1 10 :1	HDPP AG vial HDPE polys ALIT THOM HDPE POLYS THOM HDPE POLY HDPE POLY HDPE POLY HDPE POLY HDPE POLY HDPE POLY HDP POLY HDP	Cum. 1.2 2.0 2.1 3.5 4.1	ANALYS Total ar (PAHs) (VOCs) (IL Hg (PCBs) TA Volume SU SU SU SSU SSU SSU SSU SSU	(Chloric	wed Per ved Metals: (a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	BOTTLE TYPI (Ag) (As) (Be BE: [6: PH 6:70 6:78 6:79 6:82 6:80 6:81	36 Turbidity (NTU) 4.20 10.3 20.4 32.9 51.4 20.1	E Cond (µS/cm 6963 8077 8770 9225 8757 9702 9614 9863	Dept) Ten 14 14 14 14 14 14 14 14	th of tul mp °C -37 -66 -60 -57 -61 -56	bing (ft bto DO (mg/L) &63 4.89 5.8.2 7.15 7.72 4.08 3,92	ORP -(27,3 -133, 1 -125,3 -(70, 1 -123,2 -113,3 -133,5 -125,4	Clear Slight Clear White Clords	plor, Clarity) Tolories Tolories
Meas. 1 2 3 4 5 6 7 8	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG ER QU. Tim 10 : 1 10 : 1 10 : 1 10 : 1	HDPP AG vial HDPE polys ALIT H1	Cum. 1.2 2.0 2.1 3.5 4.1	ANALYS Total an (PAHs) (VOCs) (ILL Hg (PCBs) TA Volume	(Chloric	wed Per ved Metals: (a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	BOTTLE TYPH (Ag) (As) (Be BE: 6 : PH 6 : 70 6 : 78 6 : 78 6 : 79 6 : 87 6 : 87 6 : 81 6 : 81 6 : 82	36 Turbidity (NTU) 4.20 10.3 20.4 32.1 51.4 20.1 11.5 62.3	E Cond (µS/cm 6963 8077 8770 9225 8757 9702 9614 9863 9975	Dept) Ten 14 14 14 14 14 14 14 14	th of tu mp °C .37 .62 .60 .57 .61 .548	bing (ft bto DO (mg/L) & 6.3 4.89 5.8.2 7.15 7.72 4.08 3.92 5.54	ORP -(27,3 -133, 1 -125,3 -(20, 1 -123,2 -113,3 -133,5 -125,4 -126,2	Clear Slight Clear White Clordu Sports	plor, Clarity) To Ceion od To No. HO Particles To White willow To Paringe, U
WATI Meas. 1 2 3 4 5 6 7 8 9 10	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG ER QU. Tim	HDPP AG vial HDPE polys ALIT HT FO	Cum. 1.2 2.0 2.7 3.5 4.1	ANALYS Total an (PAHs) (VOCs) (ILL Hg (PCBs) TA Volume 5 L 15 L 0 L 15 L	(Chloric	wed Per ved Metals: (a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	BOTTLE TYPH (Ag) (As) (Be) BE: 6 : PH 6 : 70 6 : 78 6 : 78 6 : 82 6 : 80 6 : 81 6 : 82 6 : 82 6 : 82	36 Turbidity (NTU) 4.20 10.3 20.4 32.1 51.4 20.1 11.5 62.3 34.6	E Cond (µS/cm 6963 8077 8770 9225 8757 9702 9614 9915 10171	Dept) Ten 14 14 14 14 14 14 14 14	th of tul mp °C .37 .60 .60 .57 .61 .56 .48	bing (ft bto DO (mg/L) & 6.3 4.89 5.82 7.15 7.72 4.08 3.92 5.54 7.48	ORP -(27,3 -133, 1 -125,3 -(20, 1 -123,2 -113,3 -133,5 -125,4 -126,2 -119,3	Clear Slight Clear White Clordu Sports	plor, Clarity) Tolories Tolories
Meas. 1 2 3 4 5 6 7 8 9	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG ER QU Tim	HDPP AG vial HDPE polys ALIT HT FO	Cum. 1.2 2.0 2.7 3.5 4.1 5.1 8.1	ANALYS Total an (PAHs) (VOCs) (ILL Hg (PCBs) TA Volume	(Chloric	wed Per ved Metals: (a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	BOTTLE TYPH (Ag) (As) (Be BE: 6 : PH 6 : 70 6 : 78 6 : 78 6 : 79 6 : 87 6 : 87 6 : 81 6 : 81 6 : 82	36 Turbidity (NTU) 4.20 10.3 20.4 32.1 51.4 20.1 11.5 62.3	E Cond (µS/cm 6963 8077 8770 9225 8757 9702 9614 9863 9975	Dept 14 14 14 14 14 14 14 1	th of tu mp °C .37 .62 .60 .57 .61 .548	bing (ft bto DO (mg/L) & 6.3 4.89 5.8.2 7.15 7.72 4.08 3.92 5.54	ORP -(27,3 -133, 1 -125,3 -(70, 1 -123,2 -113,3 -133,5 -125,4 -126,2 -119,3 -119,5	Clear Slight Clear White Clovdu Spens	plor, Clarity) To Ceion o de To No. HO Particles To White willow To Parge, U

12	ANCHOR
V	ANCHOR QEA

720 Olive Way, Suite 1900 Seattle WA 98101

Office:

(206) 287-9130

Fax:

(206) 287-9131

PROJECT NAME: 8th Avenue Terminals, Inc.

WELL ID: SAMPLE

-14D

SITE ADDRESS:

7400 8th Ave S, Seattle WA 98109

BLIND ID:

EMW-140-12614

PROJECT NUMBER:

131044-01.01

DUP ID:

WAT	ER QUALITY	Y DATA	Purge Star	t Time:	:	Method:	Low Flow Pe	eristaltic F	ump	Pump/Bailer In	let Depth:
Time	DTW (ft)	Purge (gat)	рН	E Cond (μS)	°F Temp(°C)	DO (mg/L)	ORP	TDS	Salihity	Turbidity	Water Quality
17:17	11.66	10,15	6,83	10367	14.38	9.47	-123,4			18.5	
17:20	11.65	11,0	6.82	10415	14.38	8,35	-119.3			14,3	
17:23	11,75	11.75	6.82	10457	14.38	8.10	-126,3			13.2	
17:26	11.79	12.5	6,82	10457	14.36	8,22	-124.2		- The same of the	11.3	
17:29	11.85	13.15	6,83	10+96	14.41	7,75	-123.7		100	9,61	
17.32	11.90	14.0	6.82	10554	14.41	3.34	-14.2			9.89	
17:35	11.98	14:75	6.83	10552	14.40	2,97	-118.9	-1-		7.76	
17:38	11.98	15.5L	6.83	10534	14.43	3.03	-118,6	7 =		7.53	
							1				
					(m			40,00	-		
	1							-/=		11.5 - 2.2	
									D.		
			4 1	14							
									- 4		
					1				and them	1	
		(Cummulative Totals)			(circle units)			1		1.1	(Clarity, Color)

Notes: Water drop contributed to tide going out

Sampler:

Christensen

(Printed Name)

(Signature)

X	7 Q	NCH EA	z									Sea	attie, vva	shington 981 (206) 287-91
ROJE	CT N	AME: 8tl	Avenue	Term	inals, Ir	ic.			WELL		mw-		Children of	
ITE A	DDR	ESS: 740	0 8th Av	e S, Se	attle W	A 98109			SAMPLE	ID: 8	MM-	150-1	2181	+
		77							DUP	ID:			***************************************	•
WIN	D FRC	M: N	NE	E	SE	S	SW	W	NW K	LIGHT	ME	DIUM		HEAVY
	EATH		UNNY	PRTLY	CLOUDY	CLC	YOU	RA	IN	TEMPEI	RATURE;	(F) -+8		D
				or on the	en ima								Circle annron	riate unitel er Column x Gal/ft]
						Nearest 0.01	DT-Wa		DTP-DT		B-DTW	1		olume (gal)
Da		Time		Bottom	D1-	Product			DIF-DI	W DI		V1		- 19
6118	114	18:2	2 44	.50			11	52		3	1.98	X1	1 6	0 . 1
/	1	:				detail .	· ·		T	- St. 10 S.	7.00	X3	1.7	3.57
	dia./2) ² x			2"=	0.163	3"=	0.367	4" =	40000	6" = 1.469	10" =	4.080	12" =	5.875
		Vaterra (B) Pe				Sampled via: (1) Low-flow) (2)	Purged 3 casi	ng volumes (3			ampled		[√if used]
ROL	INDW	ATER S	AMPLIN	IG DA	TA	_				Samp	ole Depth:			
Bottle	Type	Date	Ti	ime	Method	Amour	nt & Volume	mL	Preserva	tive (circle)	Ice	Filter	pН	V
0 mL l	HDPE	12/18/19	19	: 15	BI		500 m	L	HN	103	YES	NO		
0 mL I	HDPE	111		:	1		500 m	L.	HN	103	YES	YES		
0 mL	AG	111		:			500 m	L.	No	ne	YES	NO		
mL vi	ial	11		:			40 ml		H	CI	YES	NO		
OJH	DPE	11					500 m	L	No	one	YES	NO		
0mL p		11		:			250 m	0	No	one	YES	NO		
		11	-		++-		250 m		No		YES	Yes		
0mL p	orys	W			1		1 L		No		YES	NO '		
LAG			-	-	V		11		INC	nie.	1125	NO		
		1.0.00	les (include				100	NO SECTION		and to feet a				
	500 mL	TTLE TYPE					(Circle applica) (Cd) (Cr) (C							
ype	500 mL		_	(TPH-I		tag (As) (be	(ca) (ci) (c	u) (11g) (141	(10) (50) (De) (11) (Zit)	(bu)			
Alle T	40 mL		(VOCs		91									
Bot	Lg OJ I		(TDS)	(Chlori	de)									
Analysis Allowed per Bottle Type	250 mL		(LL Hg											
	1L AG		(PCBs)											
ATE	RQU	ALITY I	DATA	Purge	Start Tin	ne: 18 ::	23			Depth of to	ibing (ft bt	oc):		
		-110	A.V.	1000	S a river		Turbidity	-	mars.	Lab. 7-04	and the same	100	0.00	ater Quality
Aeas.	Tin	ne Cur	n. Volume	DTW(ft bTOC)	pН	(NTU)	E Cond	(μS/cm)	Temp °C	DO (mg/L			olor, Clarity)
1	1.1.1.2	27	8		.76	7.57	11.81	75	5,3	13.2	1.08	-9.6	Clean	colunes:
2	18:	30 3	115	11	.87	7.40	9.80	411	7	13.2	0,73	-3.9		
3	18 :	33 4	50	11	. 801	7.31	#349.6	0411	9	13.1	0.56	-0.9		
4	18 :	36 5	85	111	.94	7.23	8.33	414	8	13.0	0.45	-0.3		
5		39 7	12	12	.03	6.89	10.03	-	13	12.9	0.40	-2,8	-	
		42 8		17	.05	6 93	9,64	1143	3	12.8	0.37	-27.0		
		45 9	190	12	.13	6 .94	9.73	11 67	5	17 . 7	0.31	-44,0		
6	110	48 11	025	12	1	w .94	10.19	1141	5	12 0	0.31	-46.5		
6 7	10	THE RESERVE	017	116	.23	6.93	6 01		71	12.8	0.30	-49,7		
6 7 8	-		1 2			10 . 1	174 11	11.86	16	16.8	V:50	1111		
6 7 8 9	18:	51 12	60	11			48 247		14	10 0	11 20	577	200	7041
6 7 8 9	18:	51 12	95	12	. 27	6 .93	地利用	114	4	12.8	0.29	-52,3	TURB	7.84
6 7 8 9	18:	51 12		12			7.846.9	114	95	12.8	0,28	-52.3 -55.4	TURB	7.84



SAMPLER:

(PRINTED NAME)

720 Olive Way, Suite 1900 Seattle, Washington 98101

		ME: 8th								LID: EW			12.1	A market year
SILE	ADDRE	55: 7400	oth Av	e 5, 5e	eattle vv	A 98109				P ID:	16-16	D-30H	19719	20141216
WIN	D FROM	M: N	NE	E	SE	S	SW	W	NW	1	I ME	DIUM		HEAVY
	EATHE	-	NNY	-	CLOUDY		DUDY		AIN	LIGHT	RATURE:		_	HEAVY
				A				IN	Ally	1 LEMITE	KATUKE:		Circle annu	anniate units!
						(Nearest 0.01			[Product Thi		ter Column]	1		ater Column x Gal/ft)
Da		Time	DT-I	Bottom	DT-	Product	DT-W		DTP-D		rb-dtw		3 3	Volume (gal)
13/1	14	16:39	47	.20			11	53		35	5.67	X1		2 .81
/	1		1000		1.0				_		0.	X 3	-	7.44
	dia./2) ² x 0.1		0.041	2"=	0.163	3" =	0.367	4"=	0.653	6" = 1.469	10" =	4.080	12" =	5.875
	+ - + +	TER SA		,		Sampled via:	(1) Low-flow (2	Purged 3 ca	sing volumes	(3) Purged dry, le		ampled		[Vifused]
Bottle		Date	1	ime	12.5	America	. t 0 W-1	T	D		ole Depth:	Pite		1,00001
00 mL			_		Method	Amou	nt & Volume			ative [circle]	Ice	Filter	pH	N.
00 mL		31/4/14	1	:27		1	500 n		-	NO3	YES	NO		V
X	Control of the	3/10/14	13	: 25		1	500 n			NO3	YES	YES		V
00 mL	10	1.1.5	19	: 27		7	500 n			Jone	YES	NO		1
0 mL v		1/11	17	:01		5	40 m			HCI	YES	NO	V-1	V
g OJ H		The	18	: 27		- 4	500 n			lone	YES	NO		V
50mL p		110101	12	: 27		1	250 n		1	Ione	YES	NO		V
50mL p		7/6/14	1	: 21		1	250 n			lone	YES	Yes		V
' AG	1/5		-	:27	1	2	1 L		1,	lone	YES	NO		
		Total Bottles LE TYPE	And the second			POTTI E TVDI	(Cisalo applia	data as male	· · · · · · · · · · · · · · · · · · ·	d analysis below	Λ.			
72 00	500 mL H									(Se) (TI) (Zn)				
Type	500 mL A			(TPH-D	1	1 00 000	2 1 - 2 1 - 2 1 -	T V-OI V	7 (5-7) (5-7)	(-7 (-7 (-7)				
is A	40 mL via		(VOCs))										
Analysis Allowed per Bottle Type	Lg OJ HD		(TDS)	(Chloric	de)									
₹ ª	250 mL po 1L AG	olys	(PEBS)	7										
MATE		LITY DA	1	Durgo	Start Tim	av Ve av	10			D 4 6	1.1 20.1.1.		_	
VAIL	K QUA	LITTDA	IA	rurge	Start Till	ie: 6 :	Turbidity		m5/cm	Depth of tu	bing (it bio	oc):	l w	ater Quality
Meas.	Time	Cum.	Volume	DTW(ft bTOC)	pН	(NTU)	E Con	d (µS/cm)	Temp °C	DO (mg/L)	ORP	(0	Color, Clarity)
1	16:40	1 2,	7	11	.8	6.46	1,38	811	26	13.57	2.27	90.2	cle	ent.
2	16:5		39	11	.87	6.55	1,26	13,5		13.66	0,85	74,3		
3	16:5			11	.87	6.44	1,39	26,9		13.52	0.69	73.6		
4	17:0		3	11	. 57	6.50	1.46	27,5		13.52	0.58	62.0		
5	17:0		5	12	11.	6.52	1.35		09	13.46	10,0	54.7		
6	17:0			12	-19	6.53	0.69	277	82	13.43	0,48	45.7		
7	17:13		9	12	.20	6.54	0.88	27:	72,	13.40	0.41	40.7		
8	17:1	1 11.	(.34	6.54	0.47	27.	64	13.35	0,46	33.1		
9	17:2	1 12	3		.42	6.54	0.73	-	16	13.37	0:48	27.8		
10	17:20				.48	6.54	0.36	27,1		13.31	0.40	23.5	- 17	
11	1	1	-	-	W.E.		N				7.	- The state of the		
	-						12.4	-		II. Tak				
12				1									Annual Control of the	
12		[gallons	or liters]	5									[Clarity,	Color)



720 Olive Way, Suite 1900 Seattle, Washington 98101 (206) 287-9131

PROI	ECT NA	ME: 8th	Avenue	Termi	nals. Ir	nc.			WEL	L ID:	EMW	-175	-	(206) 287-913
		SS: 7400						- 71	SAMPL			·175-	2014	1218
									DU	P ID:	1,00			3
WIN	D FRO	M: N	NE	E	SE	S	SW	W	NW	(LIGHT)	ME	DIUM	-	HEAVY
W	EATHE	R: SUI	YNV	PRTLY	CLOUDY	CLC	(YOU'C	(R/	CMIA	TEMPE	RATURE:	°F 50	17	a C
HYD	ROLOG	Y/LEVEL	MEAS	UREM	ENTS	(Nearest 0.01	ft)		[Product This	ckness] [Wa	ter Column)	10	Circle approp	riate units! er Column x Gal/ft]
Da		Time		ottom		Product	DT-Wa		DTP-D		B-DTW			olume (gal)
12/1	8/14	14:40	20	. 0			8.	50	- L	1.11	. 5	X1	1	. 87
1	/	4	HAY			444			- 344			Х3	- 4	
Gal/ft =	(dia./2) ² x 0.	163 1" =	0.041	(2"=	0.163	3"=	0.367	4" =	0.653	6" = 1.469	10" =	4.080	12" =	5.875
		terra (B) Berista	altic Pump (C) Disposab	le Bailer	Sampled via:	(1) Low-flow (2)	Purged 3 casi	ing volumes	(3) Purged dry, le	t recover, and s	ampled		
GROU	JNDWA	ATER SAI	MPLIN	G DAT	A		4-			Samp	ole Depth:	19'		[√if used]
Bottle	Type	Date	Ti	me	Method	Amou	nt & Volume	e mL	Preserv	ative [circle]	Ice	Filter	pН	1
00 mL	HDPE \	2/18/14	15	: 30	B		500 m	ıL	Н	NO3	YES	NO		
00 mL	HDPE	12/18/14	15	: 30	1		500 m	ıL .	Н	NO3	YES	YES	-	
00 mL	AG \	2/18/14	15	:30		4	500 m	ıL.	N	ione	YES	NO		
0 mL v	ial \	2/18/14	15	:30		3	40 ml	L	I	HC1	YES	NO		-
g OJ H	IDPE \	2/18/14	15	:30	1	1	500 m	ıL	N	lone	YES	NO	-	
50mL p	oolys 2	118/14	15	:30		-1-	250 m	ıL.	N	lone	YES	NO		
50mL p	oolys	L 18/14	_	: 36		1	250 m	ıL	N	lone	YES	Yes		
' AG	1	2/18/14	36	: 30	N.	2	1 L		N	one	YES	NO	1	
	- 1	Total Bottles	(include		count):	14								
-,1		LE TYPE	ANALYS	IS ALLOV	VED PER	BOTTLE TYP	E (Circle applica	ble or write	non-standard	d analysis below)			
wed/	500 mL F					(Ag) (As) (Be	e) (Cd) (Cr) (Ci	u) (Hg) (Ni) (Pb) (Sb)	(Se) (TI) (Zn)	(Ba)			
Analysis Allowed per Bottle Type	500 mL A			(TPH-D)										
ysis	40 mL vi Lg OJ HI		(VOCs)	(Chloride	2)				-					
Anal	250 mL p		(LL Hg)		-/									
	1L AG		(PCBs)						- 4					
VATE	R QUA	LITY DA		Purge S	tart Tim	ne: :		0.250	min	Depth of tu	bing (ft bto	oc): 🛶 [
	-	Cum	L)		1.000		Turbidity	E C 3	m5 (μ8/cm)	T 10	DO (#)	200		ater Quality
Meas.	Time			DTW(ft			(NTU)				DO (mg/L)	1,715.55		olor, Clarity)
1	14:5					6.35	3	0.20			7.87		yeller	v tint, most
2	14:5		50	8.	6	6.37	10.5	0.20		13.86	4,90	-665	most	lyclar
3	15:0	3 3.	75			6.36	140 er	0.28	3	13.97	5.01	-70.1		7
4	J.			-		. 200	19.85					919 1		7
5	15:01	8 50	20		. 4	ie .36	9.37	0.28		14.04	3.70	-82.4		11
6	15:1	1 4	255.7	2	. G	6 .35	8.95	0.28		14.00	4.21	-89.7	- 4	
7	15:15	1	500		Ca	Ce .36	6.46	0.2		14.00	3.03	-94.8	4	
8	15:1	77-	75		0	i .35	6.46	0.24		14.06	2.80	-95.2	1.1	2
9	15: 2	2 8.5	50	8.	6	6.35	7.75	0.25	SO	14.06	2178	-98.4		
10	4	3 34-	3.3			- 1		1		XII.				
11		ug it		-				1.0		C 200	4	- 5		
12	1										7	7		
nek:	lity bot	[gallons ore sampl	or liters]		TTII).	.7	75	7	Combidie	, after ca	nlo coll-	ction (NTU	[Clarity, C	
omme	_	ul Five			10):	1							3. 3	136
omme	nes: PLV	res forme	1,3;	27	10+	al purge	betore	Sample	in &	27/2	15901	lons		
	I ED	Ev	,	04 1	L					1, 1	1/1			
AMI	LER:	RINTED NAM		Mark	Zy K	_		79	SIGNATURE	My 10	VVI			
	/r	total 147 hily						(0)						



SAMPLER:

720 Olive Way, Suite 1900 Seattle, Washington 98101

ROJE	CT NAM	E: 8th A	venue	Terminals, In	c.		WELI	ID: EM	W-18	S		
SITE A	DDRES	5: 7400	8th Ave	S, Seattle W	98109		SAMPLE	EID: EWY	N-185	1-20141	217	
							DUI	PID:				
WIN	D FROM	: N	NE	E SE	S	SW	W NW	LIGHT		DIUM	1	HEAVY
W	EATHER	SUN	INY	PRTLY CLOUDY	CLO	UDY	RAIN	TEMPER	ATURE:	(F) 45		0
HVDE	ROLOGY	/I EVEL	MEAS	UREMENTS (Nearest 0.01	ft)	[Product Thic	kness] [Wate	r Column]	10	Titele appropri [Water	Column x Gal/ft]
Dat		Time	DT-B		roduct	DT-Wat	er DTP-DT	TW DTI	3-DTW		Vo	lume (gal)
2/1	1/14 12	1:24	10.	89		7.	72	13	17	X 1	10	171
1	1	:	1	13.1	N		7 (-1.27)			Х3	5	. 95
Gal/ft = 6	dia./2) ² x 0.163	1" =	0.041	/2" → 0.163	3" =	0.367	4" = 0.653	6" = 1.469	10" =	4.080	12" =	5.875
					Sampled via: (1) Low-flow (2) P	urged 3 casing volumes	(3) Purged dry, let	recover, and sa	mpled		
				G DATA				Sampl	le Depth:			[V if used]
Bottle	Type	Date	Tir	me Method	Amoun	t & Volume	mL Preserva	ative (circle)	Ice	Filter	рН	V
500 mL I		117/14	15	:15	1	500 mI	A	NO3	YES	NO)		
500 mL I	17	117/14		:15	1	500 ml	/ H	NO3	YES	YES		
500 mL	17	117/14	-	: 15	4	500 mI	. / N	lone	YES	NO		
0 mL vi	- 12	117/14	-	: 15	3	40 mL	I	-ICI	YES	NO		
g OJ H		117/14	-	: 15	1	500 mI	N	lone	YES	NO		
250mL p	-	1/7/14	-	: 15	1	250 ml	. N	Ione	YES	NO		
250mL p		17/14		: 15	1	250 ml	L	lone	YES /	Yes		
T. AG		117/14	-	: 15	2	1 L	\ N	lone	YES	NO		
- 155		-	1 1 1	duplicate count):	14				V	//		
	BOTTL			The state of the s	1	(Circle applicat	ole or write non-standar	d analysis below)				
D 0	500 mL HI	PE	Total an	nd Dissolved Metals:	(Ag) (As) (Be) (Cd) (Cr) (Cu) (Hg) (Ni) (Pb) (Sb)	(Se) (T1) (Zn) (Ba)			
Typ	500 mL AC		(PAHs)	(TPH-D)								
sis A	40 mL vial		(VOCs)									
Analysis Allowed per Bottle Type	Lg OJ HDI		(TDS)	(Chloride)								
4 -	250 mL pol	ys	(LL Hg) (PCBs)									
WATE	R QUAL	ITY DA	-	Purge Start Tin	ne: 14:	40		Depth of tul	bing (ft bto	oc):		
Meas.	Time	To T		DTW(ft bTOC)	рН	Turbidity (NTU)	m5/cm E Cond (µS/cm)		DO (mg/L)	TOTAL S	1	iter Quality lor, Clarity)
1	14:46	-	21	7:71	6.51	36.6	0.830	13.46	3.10	-94,2	Yellow	first
2	14:48	-	HL	7.71	6.13		0.344	13-60	3.01	-105: 2	1444	77
3	14:52		6L	7.70	6.11	22,3	0.325	13.73	2.85			11
4	14:56		18L	7.71	6.12	14,1	0.309	13.76	2.33		- (2lear
5	15:00		DL	7.71	6.12	10.8	0.304	13.77	2,43			lear
6	15:00	7	21	7.80	6.13	8.82	0:301	13.79	2.11	-96.5		
	15:08	.1	41	7.82	6.14	6.68	0,293	13.83	2,26			
7			6	7.83	6.14	4.78	0.289	13.87		-105.8		V
7	1	- 1		1.00		17.10		12.0				
7 8 9	15:17				-							
8	-					2 44 1						
8 9 10	<i>-</i>					JRF						
8	-					JRF						

A & ANCHOR	
ANCHOR OEA ****	

720 Olive Way, Suite 1900 Seattle, Washington 98101

STOTE WAY	Application of the second	2002								******			100		(206) 287-9131
				_	Termi							-MW-			(11)
SITE A	DDR	ESS:	7400 8	8th Ave	e S, Sea	ttle W	A 98109					MW-	90-	1218	14
							7			_	P ID:				
WIN	D FRC	M:	N	NE E		SE	(5)	SW	W NW				DIUM		HEAVY
W	EATH	ER:	SUN	INY	PRTLY C	LOUDY	CLO	UDY	(1	RAIN)	TEMPE	RATURE:		16	°C
HYDI	ROLO	GY/L	EVEL	MEAS	UREM	ENTS	Nearest 0.01	ft)		[Product Th	ickness] [W	ater Column)		Circle annrone [Wate	r Column x Gal/ft
Da		Time		DT-Bottom		DT-Product		DT-Water		DTP-DTW DT		TB-DTW		Vo	olume (gal)
10//5	214	14:35		79.14		1222		8.78		70		0.32	X1	1	1.46
12/18/14		11:00		1.1.1.		120		6 7 2					хз	3	4.38
$Gal/ft = (dia./2)^2 x$		0.163 1" =		0.041 2"=		0.163	3" =	0.367 4" =		0.653 6" = 1.469		9 10" =	4.080	12"=	5.875
		10. 1		No. 91 / No. 1	C) Disposab				-			let recover, and s	ampled	1.54	379.
			_	Name of Street	G DAT					0		nple Depth:	77	/	[v if used]
Bottle Type		Date		Time		Method	Amour	t & Volume	& Volume mL		Preservative [circle]		Filter	pН	V
500 mL 1	-					Q.	i incu	500 mL		HNO3		Ice	/ NO		1
1,000,000		1248/14		16:40		10	1	500 mL		1	HNO3		YES		1
500 mL l		1/				-	1.1			- 11		YES			~
500 mL AG		1	/	/:			4	500 mL			None	YES	NO		-1,
10 mL vial		1	//		:		3	40 mL			HCl	YES	NO		-
g OJ HDPE		1	//	1	1:		1	500 mL			None	YES	NO		V
250mL p	olys	1	//	:			1	250 mL			None		NO		V
250mL polys		11	//	1:		/	1	250 mL			None		Yes		1
· I. AG		VI		V:		Š	2	1L)		None		YES	NO		
		Tota	l Bottles	(include	duplicate	count):	14				~	~	_		
	BOTTLE TYPE		ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)												
alysis All er Bottle	500 mL HDPE		Total and Dissolved Metals: (Ag) (As) (Be) (Cd) (Cr) (Cu) (Hg) (Ni) (Pb) (Sb) (Se) (TI) (Zn) (Ba)												
	500 mL AG		(PAHs) (TPH-D)												
	40 mL vial Lg OJ HDPE		(TDS) (Chloride)												
	250 mL polys		(LL Hg)												
	1L AG		(PCBs)												
WATE		_	TY DA		Purge S	Start Tin	ne: 15:	12 €	TW=	8.85	Depth of	tubing (ft bto	oc): 7	7/	
1								Turbidity					1 3.20	Water Quality	
Meas.	Tim	me Cum. V		Volume DTW(f				(NTU)		nd (μS/cm)		DO (mg/L)		(Color, Clarity)	
1	15:	15:16		1.42		.86	6.88	284.9	33	5297	12.1	1.87	- 1000	habit gray clie	
2			0 2.8		2 88		6.92	201.5 3		338 12.1		1.11	-90.1	4 11 10	
3	15:	24 4 2		7	7 8.0		6.94	74 131.6		284	120	0.70	-97.3	way /s	Interes class
4	4 15:28		5.62		3	.93	6.95	ini <	35	251	12.0	0.53	-1020	:(;	1 1)
_	5 /5:32		7 1	710		93	6.95	75.38	35	222	12. 0	0.47	-104.6	ara	x tint
6	15.06 4 4		14	= 0	2 897		1.95	6.95 62.54		194	12.0	47.1	-107.6	7	11
7	15:30 0,0		10.0	10	0 9.00		6.96	6 47.82		161 12.0		- 00	-1094	11 ()	
_	13 14 15		2			6.96	11-100	25	1117	11 9	0.37	111	1	1 /20	
8	1.0	1-1	12.0				1967616		35	197 110		0.35	1117 0	Almost clear	
9	15.4	15:48 15		60			6.16	96 20 11		17/ 11.7		-	11117	17 17	
10	15:	12:50 13.0		XX	2 9.05		0.70	30.64		1110 1111		0.33	-114.6	h h	
11 15:56 /		16.5	9		08	6.76 23.60		55	177 11.7		0.34	4115.4	Meas	clear, 16/01/ess	
12	16:0		10.	12	9	. 11	6.96	30.05	35	156	11.7	0.34	-116-2	almo	ST HEN
			100	or liters]	7 No. 10 15	TOTAL TO				T1 - 2	Les afterno		ation (NIT		Color 199 10+2
					ction (1	1	- /			mple colle			0/1.
Comme	nts: 🌴	0	BING	inect	tesse	e Fil	ping,	ee more	15	gallo	of wa	to pu	Francisco con		Finery
SAMI	LER:			Da	1	intel	650					20,	Kh	1	_
111		(PRIN	TED NAM	(E)	/	11	24.7		-	(SIGNATUI	RE)	1		P	

A	x	ANCHOR
1	4	ANCHOR QEA

720 Olive Way, Suite 1900 Seattle WA 98101

Office:

(206) 287-9130

Fax:

(206) 287-9131

PROJECT NAME:

8th Avenue Terminals, Inc.

WELLID: EMW-19D

SITE ADDRESS:

7400 8th Ave S, Seattle WA 98109

BLIND ID: EMW-190-121814

PROJECT NUMBER: 131044-01.01 DUP ID:

WAT	ER QUALITY	/ DATA	Purge Start	Time: 15	:12	Method:	Low Flow Pe	eristaltic P	ump	Pump/Bailer	r Inlet Depth: 77
Time	DTW (ft)	Purge (gal)			°F Temp(°C	DO (mg/L)	ORP	TDS	Salinity	Turbidity	Water Quality
1604	9 14	20.02	6.96	35/3/	11-9	0.34	-117.2	-	-	28.86	almost elear
1608	918	21.62	6.96	35/20	11-9	0,34	-117.8		-	20.07	n h
1612	917	23.20	6.96	35096	11.9	0.36	-118-4	_	_	17.76	dear, cobiless
1616	9.23	24.88	6.97	35088	11.9	0.37	-119.2	_	_	15.39	10 10
1620	9,28	26.42	6-97	35085	11.9	0.37	-119.6		_	12.35	11 17
624	932	28.02	6.97	35066	11.9	0.37	-120.2	_	-	13.22	1) ()
1628	9.35	7962	6.97	35072	11.9	0.39	-120-6		-	14.32	11 11
1632	9.38	31,20	697	35138	11.9	0.40	-120.8	-		13.96	11 12
											(Clarity, Color)

Notes:

(Signature)



(PRINTED NAME)

720 Olive Way, Suite 1900 Seattle, Washington 98101 (206) 287-9131

PROJE	ECT N.	AME	: 8th A	venue	Termi	nals, In	c,			WEI	L ID:	EI	in-	ROD		
SITE	ADDR	ESS:	7400	8th Av	e S, Sea	attle W	A 98109			SAMPI	E ID:	EA	1W-	20D-	1216	141
							X		-		IP ID:					
WIN	D FRO	M:	N	NE	E	SE	(s)	SW	W	NW	(LI	GHT)	MEI	DIUM		HEAVY
W	EATH	ER:	SUN	INY	PRTLY	CLOUDY	CLC	UDY	(L+R	AIN)	TE	MPER	ATURE;	°F) 4	7.	°C
HVDI	POLO	CVI	EVEL	MEAC	LIDEM	ENITE /	Nearest 0.01	663		[Product Th	nicknessl	IWate	er Column]	,	Circle annro	nriate units! ter Column x Gal/ft]
Da			me		ottom		Product	DT-Wa	iter	DTP-E			B-DTW			olume (gal)
12/1	-			-00				8.0				7		X1		11.69
:04 1	6/17		:21	-//	.70		14	0.0	20	1	_	- 1	1.70	Х3	-	25 07
- /	/	-		0.044	(2"=	The state of the s		0.267	4"=		6"=	1.400	10"=	4.080	12" =	5.875
	dia./2) ² x		1"=	0.041	C) Disposal	0.163	3" = Sampled via: (0.367		0.653			recover, and sa		12 =	5,875
			The same of the	B T LA STREET	G DA		Sampled via: {	(1) LOW-110W (2)	ruiged 5 ca	ising volumes	(3) (4)	1	le Depth:	77	/	[√if used]
			ate		me	Method	Amour	nt & Volume	mI	Preser	vativa	-	Ice Ice	Filter	pН	V
Bottle							Amour	-		-	INO3	[circle]	YES	-	pii	1
500 mL		1211	6/14	16	:15	鸟	_/_	500 m			-		-	(NO)		1
500 mL	-	1	/		1	1	- /	500 m	-	f	HNO3	-	YES	YES		V
500 mL		1	1		1	12	4	500 m	-		None		YES	NO		V .
40 mL v		1	1		1	1	3	40 m	L		HCl		YES	NO		V
Lg OJ H	DPE	1	1		:	1	- 1	500 m	L		None		YES	NO		1
250mL p	oolys	1	1		:		1	250 m	L	L_ 0	None	-	YES	NO	- 4	1,
250mL p	oolys	1	1		:)		1	\250 m	L.		None		YES	Yes		
٠٢. AG	7 1	1	1		1	~	2	IL		1	None)		YES	NO		1/
× =		Total	Bottles	(include	duplicat	e count):	14				~					
	BO	TLET	YPE					E (Circle applica								
be de	500 mL				_	-	(Ag) (As) (Be) (Cd) (Cr) (C	u) (Hg) (N	Ni) (Pb) (Sb) (Se) ([1] (Zn) (Ba			
Analysis Allowed per Bottle Type	500 mL				(UPH-D	y						_				
sis /	40 mL v			(VOCs)	1000											
naly ser E	Lg OJ F			-7	(Chlorid	le) /					-					
4 -	250 mL 1L AG	polys		(LL Hg)												
WATE	R QU	ALIT	V DA	1	Purge	Start Tim	e: 14 :	49			Den	th of hil	bing (ft bto	oc): 7-	71	
WALL	I QU	T	I DA	X 2 X	r uige .	*	. , , ,	Turbidity			Dep	ar or tu	oung (re on	1	W	ater Quality
Meas.	Tim	ne i	Cum. V	/olume	DTW(f	t bTOC)	pН	(NTU)	E Con	d (µS/cm)	Ter	mp °C	DO (mg/L)	ORP	(C	olor, Clarity)
1	14:	53	15	12	8	34	736	332.9	36	175	13	1. /	0.26	-124.	Gire	y cover
2	14:	Ç7	21	18		35	7.36	515 15	36	243	12	2.1	0.23	-127.5	11	1 1, 1
3	15:0	01	21	0	8	.44	7.37	2135	36	517	110	2.1	0.30	-123.6	Liely	cray chuch
4		55	14	80	7	.45	7.37	144.8	36	5/6	17	2. /	0.19	-133-3	11	7.7
5	15:		6	00	8	.56	7.27	9387	36	5/13	12		0.17	-137.4	900	y tint
6	15:	12	7	7 0	Ø	61	7.27	77 19	2/1	578		. /	DIE	-140.3	7	
7	15:	10	01	10	0	19	7 27	4947	21	620	12		0.14	-1417	. /	10
	15	31	0.	(X	0	71	7 2/	52112	2/1	570	_	1./	614	111.1		ost clear
8	10:	30	111	10	0	01	7 27	2010	17/	527	16	- /	0.13	11123	- 11	- 31
9	12:	スコー	1010	00	8	20	7.31	20,13	20	5111	12	1	6.17	193.1	[]	Ti
10	13	17	14.	28	8	08	1.3/	30.07	30	0117		2. /	0.14	17.3	11	- 1)
- 11	15	22	15.	AK	8	.45	1.5/	31.05	36	540		2. /	0.13	-139.1	- /1	1)
12	15:	57	14.	18		.04	7.57	34.01	56	576	12	0/	0.14	-140.1	11	Colori
m				or liters]		AUTY IX.	9.5	7		Tark A	hu - 60		nlo coll-	ction (NTI	[Clarity,	13.68
	_		-	e colle	ction (. 11.	1		Turbidi	ty art	er sam	hie cone	cuon (INT	٥)،	ne let o
Comme	nts:	/ cits	5 1	evel	Tide	ally	influa	NGC								17 72
		_	-	7	1	17						7	21	01	1	
SAMI	LER:		1	1000	. /-	- Cr 19	2077					1	N K	7		

(SIGNATURE)

A	X	ANC	HOR
1	4	QEA	w

720 Olive Way, Suite 1900 Seattle WA 98101

Office:	(206) 287-9130	Fax:	(206) 287-9131

PROJECT NAME: 8th Avenue Terminals, Inc. WELL ID:

SITE ADDRESS: 7400 8th Ave S, Seattle WA 98109 EMW-20D-121614 BLIND ID:

PROJECT NUMBER: 131044-01.01 DUP ID:

	ER QUALITY		Purge Start	Time: 14	: 49	Method:	Low Flow Pe	eristaltic P	ump	Pump/Bailer	Inlet Dept	h: 77/
Time	DTW (ft)	Purge (gat).		E Cond (μS)	°F Temp °C	DO (mg/L)	ORP	TDS	Salinity	Turbidity		er Quality
1541	9.09	15.62	7.37	36551	12.1	0-13	-142.4	-		22.68		Lear
1545	9.15	16.8.2	7.37	36554	12.1	0.13	-143.8			18.70		color 12.55
1547	7.23	18.08		36561	12.1	0.12	-145.2		_	13.32	- 11	61
1553	7.30	19,28	7.37	36567	12.1	0-12	-145.9	-		9.84	16	17
557	9.38	20.48	7.37	36572	12.1	0,13	-146.8	-	-	9.12	1.1	n
1601	9.45	21.62	7.37	36582	12.1	0.13.	147.2	5 to 10	-	9.57	11	11
												-
						N = 1						
										3-7-44		
			100									
		1 A								-		
							7					

Notes:

Sampler:

(Printed Name)

(Signature)

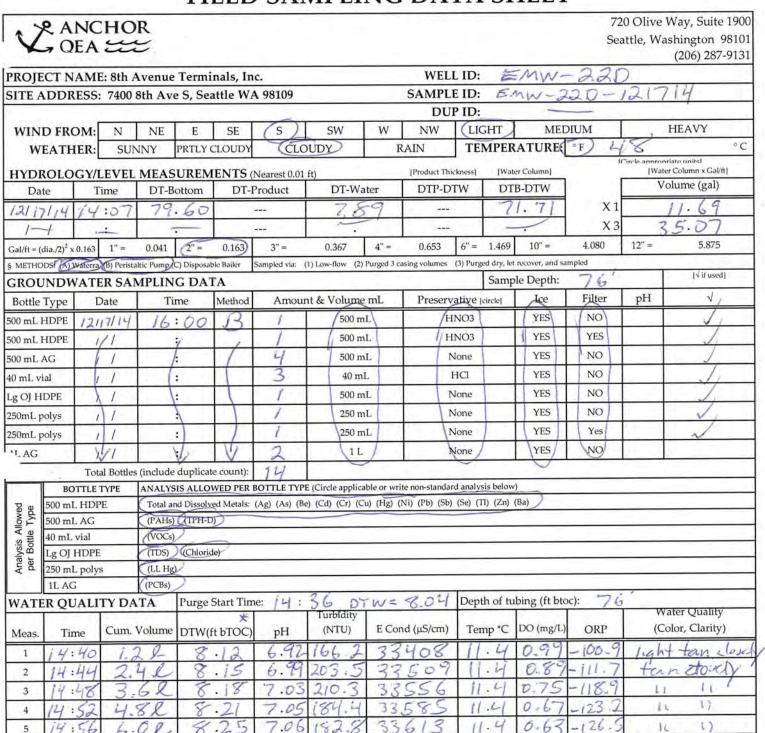


SAMPLER:

720 Olive Way, Suite 1900 Seattle, Washington 98101

	CT NAM								WELL	EID: EMV	1W-		16.14	
SITE A	DDRESS	5: 7400	8th Ave	e S, Sea	ittle WA	4 98109				PID: EMV	V-X1	レーノム	1011	
			A III		CF.	(0)	CVA	TAT		(LIGHT)	MEI	DIUM		HEAVY
	D FROM:	-	NE	E	SE	(S)	SW	W	NW	TEMPER			15	°C
W	EATHER:	SUN	INY	PRILY	CLOUDY	CLO	UDY	P	AIN	LEWIFER	ATOKE.		Circle appropri	iate units!
HYDI	ROLOGY	LEVEL	MEAS	UREM		Nearest 0.01			[Product This		er Column)	1 3		r Column x Gal/ft
Da	te	Time	DT-B	ottom	DT-I	roduct	DT-Wa	_	DTP-D	TW DT	B-DTW	1 200	V	olume (gal)
2116	114 12	:04	79	.20		+++	7.	17	2.0	71	.73	X1	1	1.61
/-	-/ -	7	-				-	-	3 ***			Х3	3	5.07
	dia./2) ² x 0.163		0.041	2"=	0.163	3"=	0.367	4" =	0.653	6" = 1.469	10" =	4.080	12" =	5.875
	DS: (A) Watern	The state of the s	_			Sampled via:) Low-flow (2)	Purged 3 c	asing volumes	(3) Purged dry, let			/ 1	(√if used)
ROL	NDWAT	ER SAN	MPLIN	G DAT	A						le Depth:	77		(1.11.0500)
Bottle	Туре	Date	Ti	me	Method	Amoun	t & Volume	_	-	ative (circle)	Ice	Filter	pН	
00 mL	HDPE 12	16/14	13	:10	B	1	/500 m	L)	(H	NO3	YES	NO		1
00 mL	HDPE	111	13	:10	1	1	500 m	L	I H	NO3	YES	YES		1
00 mL	AG	11		1		4	500 m	L	N	lone	YES	NO		1
0 mL v	ial	11	-/		7	3	40 ml		1	HCI	YES	NO		1
g OJ H	DPE	1		: -	1	1	500 m	L	N	Jone	YES	NO		V
50mL p	olys	11		:		1	250 m	L	N	Jone	YES	NO	4	/
50mL p		111			11-	1	250 m	L	1	Jone	YES	Yes		V
LAG		W/	V		V	2	1L		K	Jone/	YES	(NO)	i mi	V
	To	tal Bottles	(include	duplicat	e count):	14				~				
-	BOTTLI	TYPE	ANALYS	IS ALLO	WED PER	BOTTLE TYPE	(Circle applica	ble or wri	te non-standar	d analysis below)			
ed ed	500 mL HD	PE (Total ar	nd Dissolv	ed Metals:	(Ag) (As) (Be	(Cd) (Cr) (C	u) (Hg) (Ni) (Pb) (Sb)	(Se) (TI) (Zn)	(Ba)			
Analysis Allowed per Bottle Type	500 mL AG		-	ATPH-D	2									
sis A	40 mL vial		(VOCs)		7									
nalys ser B	Lg OJ HDP			(Chlorid	le)			_						
A H	250 mL pol 1L AG	ys	(LL Hg (PCBs)	,										
MATI	R QUAL	ITV DA		Purge	Start Tim	ie: 12:	24			Depth of tu	bing (ft bt	oc): 7	7'	
VAII	I QUAL			T targe .		7.00	Turbidity					TTT-C-1		ater Quality
Meas.	Time	Cum.	Volume	DTW(f	t bTOC)	pН	(NTU)	E Cor	nd (μS/cm)	Temp °C	DO (mg/L	ORP	(Co	olor, Clarity)
1	12:37	1.5	2	7	.61	6.83	87.5	41	953	10.7	0.39	-65.3	6000	on fint
2	12:47	7.4	18	7	.65	6.95	27.74	42	150	10.7	0.29	-85.0	abers	
3	12:46	2	68	7	.65	7.01	11.07	42	184	10.7	0.21	-95.1	clear	- unlorks
4	12:50	1/5	12	7	.66	703	8.40	42	180	10.7	0.19	-100.5	- 01	1)
5	17:54	6.1	28	7	.66	7.03	6.58	42	186	10.7	0.18	-105,2	11	1)
	17:50	7	211	7	.67	7.06	508	42	183	10.7	0.18	-107.1	11	1)
	1 2 -120	1	- 1			1.00	0	-	1-2	1.	1- 111			
7										C/a	-	-		
7	1000	1												
7	V-dr	10			A									
7 8 9	0.T.V.													
7 8 9) b													
7 8 9	0.T.V.													

(SIGNATURE)



8 15:0 .0 17 .07 9 11 .42 .00 10 134.3 8.50 .09 11 15:20 06 8.5 14.4 [Clarity, Color] [gallons or liters] Turbidity after sample collection (NTU): Turbidity before sample collection (NTU): Comments: & - well tieldally

SAMPLER:

6

7

5:04

(PRINTED NAME)

30

7.0

7.0

(SIGNATURE)

0.62

11



720 Olive Way, Suite 1900 Seattle WA 98101

Office: (206) 287-9130 Fax:

(206) 287-9131

PROJECT NAME: 8th Avenue Terminals, Inc. WELL ID:

BLIND ID: EMW-220-121714

PROJECT NUMBER:

SITE ADDRESS:

131044-01.01

7400 8th Ave S, Seattle WA 98109

DUP ID:

WAT	ER QUALITY	/ DATA	Purge Start	Time: 14	: 36	Method:	Low Flow Pe	eristaltic F	Pump	Pump/Baile	Inlet Depth: 76
Time	DTW (ft)	Purge (gal)	pH	E Cond (μS)	°F Temp C	DO (mg/L)	ORP	TDS	Salinity	Turbidity	Water Quality
1528	48.55	15.60	7.09	33844	11.3	0.36	-135.8	-	-	31.51	almost clear
532	8.60	16.80	7.09	33880	11.3	0.36	-136.3	-	_	24.30	:4 ()
536	8.67	18,00	7.09	33924	11.3	0.36	-136.7	_		16.05	clear colorless
540	8.71	19.20	7.09	33957	11.3	0.37	-137.2	-	-	8.36	in 1)
5.44	8.75	20.42	7,10	33998	11.3	0.38	-137.6	-	-	9.54	11 41-
1548	8.52	21.60	7.10	34010	11.3	0.38	-137.7	_	-	7.73	11 17
()											
		7									
											14
									*		

Notes:

(Signature)

	R Al					7.7.0			-	TATET T	ID	1.60	- 20			(206) 287-9131
						nals, In				WELL			-20	11514		
ITE A	DDR	ESS:	7400 8	8th Ave	S, Sea	ttle W	A 98109					HC	-10-1	21614		7
		-			-	2027	0	0717	742	DUP	LIG	LIT P	MEDI	TIM I		HEAVY
	D FRC	-	N	NE	E	SE	(8)	SW	W	NW			ATURE:			°C
W	EATH	ER:	SUN	NY	PRTLY C	CLOUDY	CLO	JDY)	(R	AÍN)	TEN	TPERA	ATORE:	1) 50	ircle appropr	iate units!
HYDE	OLO	GY/L	EVEL	MEAS	UREM	ENTS	Nearest 0.01 f	1)		(Product Thick	kness	_	Column	1		Column x Gal/ft plume (gal)
Da	te	Tir	ne	DT-B	ottom	DT-	Product	DT-Wa		DTP-DT	W	DTB	-DTW	700	V C	
2/14	7/14	14	37	17.	23	140		9 .:	38	+		7	.85	X 1		.28
1	1													Х3		3.84
al/ft = (fia./2)2 x	0.163	1" =	0.041	2"=	0.163	3" =	0.367	4" =	0.653	· P	1,469	10"=	4.080	12" =	5.875
			B) Perista	tic Pump (C	C) Disposab	ole Bailer	Sampled via: (1	Low-flow (2)	Purged 3 cas	sing volumes				npled		[√if used]
ROL	NDW	ATE	R SAN	MPLIN	G DAT	ГА							e Depth:			
Bottle	Туре	D	ate	Ti	me	Method	Amoun	t & Volume	e mL	Preserva	ative [c	ircle)	Ice	Filter	pН	V
00 mL		12-11	6/14	15	: 20	31		500 n	nL.	H	NO3		YES	NO		
00 mL	A 50.00	,	1	1		1		500 n	nL	H	NO3		YES	YES		V
00 mL	AG	1	1				4	500 n	nL	N	lone		YES	NO		V
mL v		,	1		:		3	40 m	ıL.	I	ICI		YES	NO	1	
g OJ H		,	1				=11	500 r	nL	N	lone		YES	NO	17	V
50mL 1		1	1				1	250 r	nL	N	lone		YES	NO		V
50mL		1	1				1	250 r	nL	N	lone		YES	Yes		V
	Jorya	1	/	16			and the same of th									
AG	500 mI	TTLE	YPE	(include	SIS ALLO	te count): WED PER	D 1H BOTTLE TYPE (Ag) (As) (Be	1 I (Circle applic) (Cd) (Cr) (able or writ	te non-standar	d analys (Se) (T	is below)	YES Ba)	NO		V
		HDP LAG vial HDPE	YPE E	ANALYS Total a (PAHs	duplicates ALLO and Dissolv (TPH-L	te count): WED PER ved Metals:	14 BOTTLE TYPE	(Circle applic	able or writ	te non-standar	d analys	is below)		NO		V
T, AG	500 mI 500 mI 40 mL Lg OJ	HDP LAG vial HDPE L polys	YPE E	ANALYS Total a (PAHs) (VOCs)	duplicate sts ALLO Ind Dissolv (IPH-I	te count): WED PER ved Metals:	14 BOTTLE TYPE	(Circle applic	able or writ	te non-standar	d analys (Se) (T	l) (Zn) (Ba)			
Analysis Allowed Per Bottle Type	500 mI 500 mI 40 mL Lg OJ 250 mI	HDP Vial HDPE L polys	YPE E	(include ANALYS Total a (PAHs) (VOCS (TDS) (LL Hg	duplicate duplic	te count): WED PER ved Metals:	BOTTLE TYPE (Ag) (As) (Be	(Circle applio	able or writ	te non-standar	d analys (Se) (T	l) (Zn) (I W	ater Quality
A Analysis Allowed PA Der Bottle Type	500 mI 500 mI 40 mL Lg OJ 250 mI 1L AC	HDPE AG vial HDPE L polys	YPE E (I	(include ANALYS Totala (PAHs) (VOCs) (TDS) (LL Hg (PCBs)	duplicate duplic	te count): WED PER ved Metals:	BOTTLE TYPE (Ag) (As) (Be	(Circle applie) (Cd) (Cr) (Turbidity (NTU)	E Cor	te non-standar Ni) (Pb) (Sb) nd (µS/cm)	d analys (Se) (T	h of tu	bing (ft bto	oc): ORP	(C	olor, Clarity)
Analysis Allowed PA PA Per Bottle Type	500 mI 500 mI 40 mL Lg OJ 250 mI 1L AC	HDPE L AG vial HDPE L polys	YPE E (() () () () () () () () ((include ANALYS Totala (PAHs) (VOCs) (TDS) (LL Hg (PCBs)	duplicate duplic	te count): WED PER Ved Metals: Olde) Start Tin ft bTOC 03	BOTTLE TYPE (Ag) (As) (Be	(Circle applie) (Cd) (Cr) (Cd) (Cr) (Cd) (Cr) (Cd) (Cr) (Cd) (Cr) (Cd) (Cr) (Cd) (Cd) (Cd) (Cd) (Cd) (Cd) (Cd) (Cd	E Cor	te non-standar Ni) (Pb) (Sb)	d analys (Se) (IT	th of tu	bing (ft bto DO (mg/L) 2.80	ORP 23.	(C)	olor, Clarity)
Analysis Allowed her Bottle Type AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	500 mI 500 mI 40 mL Lg OJ 250 mI 1L AC ER QU	HDPE AG vial HDPE L polys	Cum.	(include ANALYS Total a (PAHs) (VOCs) (TDS) (ILL Hg (PCBs) ATA	duplicate of the control of the cont	te count): WED PER red Metals: Ode) Start Tin ft bTOC . 0 3 . 4 \$	DE LOS	Turbidity (NTU)	E Cor	te non-standar Ni) (Pb) (Sb) and (µS/cm)	Dept	th of tu	bing (ft bto DO (mg/L) 2.86 1.24	oc): ORP 23, 1 27, 4	(C)	olor, Clarity)
pand Analysis Allowed ber Bottle Type WAT Meas.	500 mI 500 mI 40 mL Lg OJ 250 mI 1L AC ER QU	HDPE L polys	Cum.	(included ANALYS Total a (PAHs) (VOCs) (TDS) (LL Hg (PCBs) TA	duplicated the second Dissolve (Chlorical Purge DTW(te count): WED PER Ved Metals: Olde) Start Tin ft bTOC 03	ne: : pH 0 0 0 0 0 0 0 0 0	Turbidity (NTU)	E Cor	nd (μS/cm)	d analys (Se) (IT	th of tump °C . 75 . 39 . 86	bing (ft bto DO (mg/L) 2.86 1.24 0.99	ORP 23.1 27.4 26.1	(C)	olor, Clarity)
pawells sylvand Analysis Allowed Part Analysis Allowed Part Analysis Analys	500 mI 500 mI 40 mL Lg OJ 250 mI 1L AC ER QU	HDPE L polys JALI me	Cum.	(include ANALYS Total a (PAHs) (VOCs) (TDS) (ILL Hg (PCBs) ATA	duplicate duplicate distribution of the control of	te count): WED PER red Metals: Ode) Start Tin ft bTOC . 0 3 . 4 \$	BOTTLE TYPE (Ag) (As) (Be	Turbidity (NTU) 15.0 11.9	E Cor	nd (µS/cm)	Dept	th of tu	bing (ft bto DO (mg/L) 2.86 1.24 0.99 0.85	ORP 23.1 27.4 26.1 22.4	(C)	olor, Clarity)
pewollks syllowed PAT Meass. 1 2 3	500 mI 500 mI 40 mL Lg OJ 250 mI 1L AC Tii	TTLE T L HDP L AG vial HDPE L polys G JALI me	YPE E (((() () () () () () () ((include ANALYS Total a (PAHs) (VOCS) (TDS) (LL Hg (PCBs) ATA	duplicated by ALLO (Chlorical Chlorical Chlor	te count): WED PER Ved Metals: Olde) Start Tin ft bTOC . 03 . 45 . 59	ne: : pH 0 0 0 0 0 0 0 0 0	Turbidity (NTU) 15.0 11.9 7.47	E Cor	te non-standar Ni) (Pb) (Sb) and (µS/cm)	Dept	th of tump °C .75 .99 .87 .66	bing (ft bto DO (mg/L) 2.86 1.24 0.99 0.85 0.67	ORP 23.1 27.4 26.1 22.4 17.4	(C)	olor, Clarity)
peworle and a supposed by AT Weas. Meas. 1 2 3	500 mI 500 mI 40 mL Lg OJ 250 mI 1L AC ER QU	HDPE L polys	YPE E (((() () () () () () () ((include ANALYS Total a (PAHs) (VOCS) (TDS) (TDS) (TDS) (TDS) (TA) (TDS) (TDS) (TA) (TDS) (TA) (TDS) (TA) (TDS) (TA) (TDS) (TA) (TDS) (TDS) (TA) (TDS)	duplicate of the property of t	te count): WED PER red Metals: Olde) Start Tin ft bTOC . 03 . 45 . 59 . 40 . 42	DE D	Turbidity (NTU) 15.0 11.9	E Cor	nd (μS/cm)	Dept	1) (Zn) (l) (Zn) (l) (Zn) (l) (l) (l) (l) (l) (l) (l) (l) (l) (l	bing (ft bto DO (mg/L) 2.86 1.24 0.99 0.67 0.67	ORP 23.1 27.4 26.1 22.4 17.4 15.8	(C)	olor, Clarity)
pandle addition and additional and additional additiona	500 mI 500 mI 40 mL Lg OJ 250 mI 1L AC ER QU	TTLE T HDP L AG vial HDPE L polys G JALI me	YPE 6 (((((((((((((((((((include ANALYS Total a (PAHs) (VOCS) (TDS) (TDS) (TDS) (TDS) (TA) (TDS) (TDS) (TA) (TDS) (TA) (TDS) (TA) (TDS) (TA) (TDS) (TA) (TDS) (TDS) (TA) (TDS)	duplicate of the property of t	te count): WED PER red Metals: Olde) Start Tin ft bTOC . 03 . 45 . 59 . 46	DE D	Turbidity (NTU) 15.0 11.9	E Cor	te non-standar Ni) (Pb) (Sb) and (µS/cm)	Dept	h of tu np°C .75 .79 .86 .87	bing (ft bto DO (mg/L) 2.86 1.24 0.99 0.85 0.67	ORP 23.1 27.4 26.1 22.4 17.4	(C)	olor, Clarity)
pawolle and add add add add add add add add add	500 mI 500 mI 500 mI 40 mL Lg OJ 250 mI 1L AC ER QU	TTLET L HDP L AG vial HDPE L polys G JALI me H2 :45 :45 :51	YPE 6 (((((((((((((((((((include ANALYS Total a (PAHs) (VOCs) (TDS) (TDS	duplicate SHS ALLO and Dissolve (TPH-L) (Chloric Purge DTW(10 10 10 10 10 10 10 10 10 10 10 10 10	te count): WED PER red Metals: Olde) Start Tin ft bTOC . 03 . 45 . 59 . 40 . 42	DE D	Turbidity (NTU) 18.6 11.9 7.47 4.79	E Cor	nd (μS/cm)	Dept	1) (Zn) (l) (Zn) (l) (Zn) (l) (l) (l) (l) (l) (l) (l) (l) (l) (l	bing (ft bto DO (mg/L) 2.86 1.24 0.99 0.67 0.67	ORP 23.1 27.4 26.1 22.4 17.4 15.8	(C)	olor, Clarity)
pandle signature and pandle si	500 mI 500 mI 40 mL Lg OJ 250 mI 1L AC ER QU	TTLE T HDP L AG vial HDPE L polys G JALI me H2: 42: 48: 51: 51: 51:	YPE 6 (((((((((((((((((((include ANALYS Total a (PAHs) (VOCs) (TDS) (TDS	duplicate SHS ALLO and Dissolve (TPH-L) (Chloric Purge DTW(10 10 10 10 10 10 10 10 10 10 10 10 10	te count): WED PER red Metals: Olde) Start Tin ft bTOC Olde Start Tin	14 BOTTLE TYPE (Ag) (As) (Be (Ag) (As) (Be	Turbidity (NTU) 18.6 11.9 7.47 4.79	E Cor	nd (μS/cm)	Dept	1) (Zn) (l) (Zn) (l) (Zn) (l) (l) (l) (l) (l) (l) (l) (l) (l) (l	bing (ft bto DO (mg/L) 2.86 1.24 0.99 0.67 0.67	ORP 23.1 27.4 26.1 22.4 17.4 15.8	(C)	olor, Clarity)
NAT Meass 1 2 3 4 5 6 7	500 mI 500 mI 40 mL Lg OJ 250 mI 1L AC ER QU	TTLET L HDP L AG vial HDPE L polys G JALI me H2 :45 :45 :51	YPE 6 (((((((((((((((((((include ANALYS Total a (PAHs) (VOCs) (TDS) (TDS	duplicate SHS ALLO and Dissolve (TPH-L) (Chloric Purge DTW(10 10 10 10 10 10 10 10 10 10 10 10 10	start Tin ft bTOC . 03 . 45 . 49 . 49 . 42	DH (Ag) (As) (Be) The source of the source	Turbidity (NTU) 18.6 11.9 7.47 4.79	E Cor	nd (μS/cm)	Dept	h of tu np°C .75 .86 .87 .66 .59	bing (ft bto DO (mg/L) 2.86 1.24 0.99 0.67 0.67	ORP 23.1 27.4 26.1 22.4 17.4 15.8 14.4	(C)	olor, Clarity)
NAT Meass 1 2 3 4 5 6 7 8	500 mI 500 mI 40 mL Lg OJ 250 mI 1L AC ER QU	TTLET HDP LAG vial HDPE L polys G JALI WEST STEEL STEE	YPE 6 (((((((((((((((((((include ANALYS Total a (PAHs) (VOCs) (TDS) (TDS	duplicate SHS ALLO and Dissolve (TPH-L) (Chloric Purge DTW(10 10 10 10 10 10 10 10 10 10 10 10 10	te count): WED PER red Metals: Output Start Tin ft bTOC Output Start Tin ft bTOC Output Start Tin St	14 BOTTLE TYPE (Ag) (As) (Be ne: pH 0.05 0.08 0.09 0.10 0.10	Turbidity (NTU) 18.6 11.9 7.47 4.79	E Cor	nd (μS/cm)	Dept	h of tump °C .75 .86 .87 .66 .57	bing (ft bto DO (mg/L) 2.86 1.24 0.99 0.67 0.67	ORP 23.1 27.4 26.1 22.4 17.4 15.8	(C)	

SAMPLER: LEIDE (PRINTED NAME)

WEATHER: TYDROLOGY/LEV Date Time Type 1/6 1/4 1/5 1/4 1/5 1/4 1/5 1/4 1/5 1/5 1/5 1/5 1/5 1/5 1/5 1/5 1/5 1/5	RESS: 7400		erminals, In	-		WELL		SLR		CVI.	
WEATHER: HYDROLOGY/LEV Date Time 2/% /		8th Ave S	S, Seattle WA	98109		SAMPLE		14-1-	121820	314	
WEATHER: HYDROLOGY/LEV Date Time S/M /M 16 : N / / : Gal/(t = (dia./2)² x 0.163						DUP		MEDI	I CM	I	HEAVY
Date Time A A A A	OM: N	NE	E SE	S	SW	W NW	TEMPERA	1			°C
Date Time A	HER: SUI	NNY PI	RTLY CLOUDY	CLOU	IDY)	(RAIN)	TEMPERA	TOKE:		ircle appropri	ate units)
Date Time 2/8 / M 160 : N / / : al/(t = (dia./2)^2 x 0.163 1' METHODS: (A) Waterra (B) GROUNDWATER Bottle Type Date 00 mL HDPE / / / 00 mL AG	GY/LEVEL	MEASU	REMENTS (Nearest 0.01 ft)	[Product Thickn		Column	Г	P	Column x Gal/fil lume (gal)
	Time	DT-Bot	tom DT-I	Product	DT-Wate	T DTP-DTV	C	-DTW		,	
/ / : Gal/(t = (dia./2)² x 0.163 1' METHODS: (A) Waterra (B)* GROUNDWATER Bottle Type	11: 09	15.	The resemble of the second	***	5.2	1 2	9	.9	X 1	100	. 6
METHODS: (A) Waterra (B) GROUNDWATER Bottle Type Date 00 mL HDPE 1/3/ 00 mL HDPE / // 00 mL AG / // 00 mL vial // g OJ HDPE / // 50mL polys / // 50mL polys / // 50mL polys / // 250mL polys / /// 250mL polys / //// 250mL polys / /////// 250mL polys / //////////////////////////////////		Hard !	20110						X 3	4	. 84
Bottle Type Date Do mL HDPE 12_/13/ Do mL HDPE / / / Do mL AG / / Do mL vial / / g OJ HDPE / / SomL polys / / SomL polys / / Total E BOTTLE TYPE	x 0.163 1" =	0.041	2" = 0.163	3"=	0.367	A	6" = 1.469	10" =	4.080	12" =	5.875
Bottle Type Date Date Do mL HDPE 12,13/5/200 mL HDPE 7, 1/5/200 mL AG 7, 1/5/200 mL vial 7, 1/5/200 mL polys 7, 1/5/200 mL polys 7, 1/5/200 mL polys 7, 1/5/200 mL HDPE 500 mL HDPE 500 mL AG 40 mL vial Lg OJ HDPE 250 mL polys 1L AG WATER QUALITY Meas. Time C 1 8 : 1/5 2 1/8 : 2/0 3 1/8 : 2/0 4 1/8 : 2/0 5 1/8 : 3/0		altic Pump (C)	Disposable Bailer	Sampled via: (1)	Low-flow (2) Pu	rged 3 casing volumes (3			pled		[V if used]
DO mL HDPE 12_/18/ DO mL HDPE	WATER SA	MPLING	DATA					e Depth:	T/Dear	nLI.	1
OO mL HDPE	Date	Tim	e Method	Amount	& Volume n			Ice	Filter	pH	
On mL AG On L vial On L AG On L Vial On L vi		18 :3	35 3	1	500 mL			YES	NO		
OO mL AG / / O mL vial polys / / O mL polys / / O mL AG / O mL AG / O mL HDPE / OO mL AG / O mL vial Lg OJ HDPE / OO mL AG / O mL polys / IL AG / O mL polys / IL AG / O mL polys / IL AG / O mL polys / O mL polys / O mL AG / O mL polys / O mL AG / O mL polys / O mL AG / O mL polys / O mL	1	100	1-1-1	V	500 mL			YES	YES		
BOTTLE TYPE SOOM L POLYS TOTAL E BOTTLE TYPE SOO ML HDPE SOO ML AG 40 ML vial Lig OJ HDPE 250 ML polys 1L AG WATER QUALITY Meas. Time 1 (8 : 15) 2 18 : 20] 3 \8 : 74] 4 \8 : 26] 5 18 : 30	11	3		4	500 mL			YES	NO		
BOTTLE TYPE SOOM LAG	111	1:	ALI KIE	3	40 mL	H	Cl	YES	NO		
250mL polys	11	/:			500 mL	No	one	YES	NO		
Total E BOTTLE TY 500 mL HDPE 500 mL AG 40 mL vial Lg OJ HDPE 250 mL polys 1L AG WATER QUALITY Meas. Time 1 8 : 15 2 18 : 20 3 8 : 74 4 18 : 20 5 18 : 30	11	11:	1	1	250 mL	No	one	YES	NO		
Total E BOTTLE TYP 500 mL HDPE 500 mL AG 40 mL vial Lg OJ HDPE 250 mL polys 1L AG WATER QUALITY Meas. Time 1 8 : 15 2 18 : 20 3 18 : 24 4 18 : 26 5 18 : 30	11	1 :		1	250 mL	No	one	YES	Yes		
Total E BOTTLE TYI 500 mL HDPE 500 mL AG 40 mL vial Lg OJ HDPE 250 mL polys 1L AG WATER QUALITY Meas. Time 1 8 : 15 2 18 : 20 3 18 : 24 4 18 : 26 5 18 : 30	101	* :	+ +	2	1 L	No	one	YES	NO		
BOTTLE TYI 500 mL HDPE 500 mL AG 40 mL vial Lg OJ HDPE 250 mL polys 1L AG WATER QUALITY Meas. Time 1 (8 : 15) 2 18: 20 3 \8: 24 4 \8: 26 5 18: 30	Total Bottle	es (include d	duplicate count):	14							
Solution	BOTTLE TYPE	IANALYSIS	S ALLOWED PER	BOTTLE TYPE	(Circle applicab	le or write non-standard	analysis below)	n-1			
1L AG WATER QUALITY Meas. Time 1 (8 : 15) 2 18 : 20 3 \8: 24 4 \8: 26 5 18: 30	nL HDPE			(Ag) (As) (Be)	(Cd) (Cr) (Cu	(Hg) (Ni) (Pb) (Sb)	(Se) (TI) (Zn) (Ба)			
11. AG WATER QUALITY Meas. Time 1 (8 : 15) 2 18 : 20 3 \ 8 : 74 4 \ 18 : 26 5 18 : 30	nL AG	1	(TPH-D)								
1L AG WATER QUALITY Meas. Time 1 (8 : 15) 2 18 : 20 3 \ 8 : 24 4 \ 18 : 26 5 18 : 30		(VOCs)	(Chloride)								
1L AG WATER QUALITY Meas. Time 1 (8 : 15) 2 18 : 20 3 \8: 24 4 \8: 26 5 18: 30		(LL Hg)	(Cilionae)								
Meas. Time 0 1 [8 : 15 2 18 : 20 3 \8: 24 4 \8: 26 5 18:30		(PCBs)									
Meas. Time 0 1 [8 : 15] 2 [8 : 20] 3 [8 : 24] 4 [8 : 26] 5 [8 : 30]		ATA	Purge Start Ti	me: 18 :	11	0.3/min	Depth of tu	bing (ft bto	c):	ı w	ater Quality
1 (8 : 15 2 18 : 20 3 \8:24 4 \8:26 5 18:30		1-)	The street of th		Turbidity (NTU)	E Cond (µS/cm)	Temp °C	DO (mg/L)	ORP	1	olor, Clarity)
2 18:20 3 18:24 4 18:26 5 18:30			DTW(ft bTOC	1 2 2 4	- A	F 7 24 F 104 L 104	13.38	11.31	-86.8	wellow	tint HS och
3 \4:74 4 \8:26 5 \18:30		.2	5.2	6 .67	3.02	0.416	13.80	5.71	-119.9	1.5	yellow that c
4 18:20 5 18:30		207	5.6	6 .72	1.68	0.431	13.89	3.97	-122.7		rate His oa
5 18:30	8:74 :	3.9	5.6	6 .70	1.86	0.433	13.98	3.87	-1275	11000	11
		5,1	5.6	6 72	\$ 1.83	0.434	13.97	3.62	-128.7		11
1 14.37	0	1.3	5.6	6.71	1.35	0.434	14.06		-131,4		11
0 10 .25	:33	7.2	5.0	10.71	1.21	0,434		0.01			
7 :	1		100								
8 :				N. S.							
9 :							-				
10 :											
11 :	400				V 1						
12 :											

(SIGNATURE)

SAMPLER:

(PRINTED NAME)

1 %	ANCHOR
V,	ANCHOR QEA

SAMPLER:

(PRINTED NAME)

720 Olive Way, Suite 1900 Seattle, Washington 98101

	-, -, -, -, -, -, -, -, -, -, -, -, -, -	10/1/2												(206) 287-9131
PROJ	ECT NA	ME: 8	8th Avenu	e Termi	inals, Ir	ıc.			WEL	L ID:	SLR-	-2		
SITE	ADDRI	ESS: 7	400 8th Av	e S, Se	attle W	A 98109			SAMPL	EID: 5	LR-2	2-12	1714	
						-			DU	P ID:	_	_		
WIN	D FRO	M: 1	N NE	E	SE	(s)	SW	W	NW	LIGHT) ME	DIUM		HEAVY
W	EATH	ER:	SUNNY	PRTLY	CLOUDY	CLO	OUDY	1	(AIN)	TEMP	ERATURE	: (F) 2	44)	° C
HYDI	ROLOG	SY/LEV	VEL MEAS	SUREM	IENTS	Nearest 0.01	ft)		[Product Thi	ickness] [\	Vater Column		Circle anneo	nriate units! ter Column x Gal/ft]
Da		Time		Bottom		Product	DT-W	ater	DTP-D	TW I	OTB-DTW	1	_	/olume (gal)
12/1	7114	18:5	56 14	.15		222	3 .	83		1	0.32	X 1		1.68
1	+											1 xa		5.04
Gal/ft = (dia./2) ² x 0	.163 1'	'= 0.041	2"=	0.163	3" =	0.367	4" =	0.653	6" = 1.46	59 10" =	4.080	12" =	5.875
§ METHO	DDS: (A) W	oterra (B)	Peristaltic Pump	(C) Disposal	ble Bailer	Sampled via: ((1) Low-flow (2)	Purged 3 ca	asing volumes	(3) Purged dry,	let recover, and	sampled	-	
GROU	JNDW	ATER	SAMPLIN	IG DA	ГА					San	nple Depth:	11.5	5	[√if used]
Bottle	Туре	Date	T	ime	Method	Amou	nt & Volume	mL	Preserv	ative [circle]	Ice	Filter	pН	√
500 mL	HDPE	2117/	4 20	:00	B	1	500 m	ıL\	/H	NO3	YES	NO NO		V
500 mL	HDPE	11		1	1	1	500 m	ıL	Н	NO3	YES	YES		./
500 mL	AG	1/1		:		4	500 m	ıL	N	Jone	YES	NO		/
40 mL v	ial	11		:		3	40 m	L	I	HCI	YES	NO		/
Lg OJ H	DPE	1/		:		1	500 m	ıL	N	Jone	YES	NO		1
250mL p	olys	1/1	3	:		1	250 m	L	N	Jone /	YES	NO		1
250mL p	olys	11/1		:	1	1	250 m	L	N	Ione	YES	Yes		1
·LAG		VI	1	x.	V	2	11	/	1	lone	YES	NO/		
		Total Bo	ttles (include	duplicate	e count):	14		/						
	ВОТ	TLE TYPE					E (Circle applica							
Analysis Allowed per Bottle Type	500 mL I					(Ag) (As) (Be	e) (Cd) (Cr) (C	u) (Hg) (N	Ni) (Pb) (Sb)	(Se) (Tl) (Zn) (Ba)			
Allo e T	500 mL A			(IPH-D			1100							
ysis	40 mL vi Lg OJ HI		(VOCs)	(Chloride										
Anal	250 mL p		(LL Hg											
	1L AG		(PCBs)	5										
WATE	R QUA	LITY	DATA	Purge S	Start Tim	e: 19 :	06			Depth of t	tubing (ft bto	oc): 1/	5	v 14
			X7.1	Same	Lotte all		Turbidity					1.5		ater Quality
Meas.	Time		m. Volume			pH	(NTU)		d (μS/cm)		DO (mg/L)		(Co	olor, Clarity)
	19:1	0 /	.6.	4	.33	6.85	40.85	62	~ ~	8.9	6.81	100	alm	asteleau
2	17 1	1 3	22	4	6-1	6.92	.31.27	63	2.2	8.8	6.76	26.2	- 11	4.
3	19:12	5 5	1.88	4	.80	697	11.86	66	8.0	8.8	6.48	30.3	Clea	ricolatest
4	19:2	2 6	140	4	.90	6.96	13.56	67.	5.4	8.9	6.29	335	er	1)
5	19:2	6 8	,00	5	00	6.96	11.58	67	2.4	8.9	6.26	38.6	11	n
6	19:3	0 9	66	5	.06	6.94	9.6/	36	8.2	8.9	6-26	43.6	ч	b
7	19:3	1/11	22	5.	12	6.94	8,79	651	8.9	8.9	6.23	47.8	+1	7)
8	19:3	812	.82	5.	19	6.93	7.02	64	9.1	8.9	6.28	51-6	11	VI
9	1													-
10														
11	-:	2												
12	;													
Cuelcia	ity bat		ons or liters]		ITID-				Tools 12	0	-11	the terres	[Clarity, C	Color
Commen	_		_		1				Lurbialty	arter sar	npie collec	ction (NTU);	
Jimmen	1.5.	ida	1/ inf	-/ Rn	104									

(SIGNATURE)



SAMPLER:

(PRINTED NAME)

Christensen

720 Olive Way, Suite 1900 Seattle, Washington 98101

	ECT NA										LID: <	JUR-	5		
SITE	ADDRE	SS:	7400	8th Av	e S, Se	attle V	VA 98109			SAMPL		SUR-	3 - 1219	514	
512534			- 97 1		1	1					P ID:			_	
	D FRO	-	N	NE	E	SE	(S)	SW	W	NW	LIGH		(EDIUM)		HEAVY
W	EATHE	R:	SUN	INY	PRTLY	CLOUD	A Cro	DUDY	R	AIN	TEMI	PERATUR	E: (°F) 5		0
HYD	ROLOG	Y/L	EVEL	MEAS	SUREM	IENTS	(Nearest 0.01	ft)		[Product Thi	ickness	Water Column			nronriate units! Water Column x Gal/ft]
Da	ite	Ti	ime	DT-E	Bottom	DI	-Product	DT-Wa	ater	DTP-D	TW	DTB-DTW		4	Volume (gal)
2/15	5/14/1	5	:57	14	.33		444	TANA	104	700		8.89	,	(1	1.45
1	1		;					5 .0	14 mg	-4-)	(3	4.35
Gal/ft = ($(dia./2)^2 \times 0.$	163	1"=	0.041	2"=	0.163	3"=	0.367	4" =	0.653	6" = 1.	469 10" =	4.080	12" =	5.875
METHO	DDS: (A) Wa	terra .	(B) Perista	ltic Pump	C) Disposal	ble Bailer	Sampled via:	(2) Low-flow	Purged 3 cas	ing volumes	(3) Purged d	ry, let recover, a	id sampled		
GROU	JNDWA	ATE	R SAN	MPLIN	IG DA	ГА					Sa	mple Dept	h:		(V if used)
Bottle	Type	D	ate	Ti	ime	Method	Amou	nt & Volume	mL	Preserv	ative (circle	Ice	Filter	pH	√
00 mL	HDPE	211	5/14	17	:02	BI	1	500 m	L	Н	NO3	YES	NO		
00 mL	HDPE	1	1		:	1	1	500 m	L	Н	NO3	YES	YES		
00 mL	AG	1	1	1	:		4	500 m	L	N	lone	YES	NO		~
0 mL v	ial	- /	1		:		3	40 m	C.	1	HCl	YES	NO		V
g OJ H	IDPE	-1	1		:		i	500 m	L.	N	Vone	YES	NO		~
250mL p	oolys	1	1				344	250 m	L	N	lone	YES	NO	1 2	~
50mL p	oolys	1	1		:		1	250 m	L	N	lone	YES	Yes		V
'LAG		/	11	V	:	V	2	1L	- V	N	lone	YES	NO	ai It	V
		Total	Bottles	(include	duplicate	e count):	14								
	BOTT	LET	YPE	ANALYS	SIS ALLOV	WED PER	BOTTLE TYP	E (Circle applica	ble or write	non-standar	d analysis be	elow)			
ved vpe	500 mL H						(Ag) (As) (Be	e) (Cd) (Cr) (Ci	u) (Hg) (N	(Pb) (Sb)	(Se) (TI) (2	n) (Ba)			
Allo,	500 mL A			(PAHs))									
Analysis Allowed per Bottle Type	40 mL via Lg OJ HI			(VOCs)	(Chlorid	o)									
Anal	250 mL p		- 1	(LL Hg)											
	1L AG			(PCBs)											
VATE	R QUA	LIT	Y DA	TA	Purge S	Start Ti	ne: :				Depth of	f tubing (ft	btoc):		
7							· · · · · · · · · · · · · · · · · · ·	Turbidity	Laza	5/5-7				4	Water Quality
Meas.	Time				DTW(f			(NTU)		(µS/cm)		C DO (mg			(Color, Clarity)
1	10:0	S					6.58	6.38		7	13.6	5 1.75	96,9	1 401	www. Green
2	16:0	8		36		.54		87,25	147	5	13.8	6 1.14	91.2	- dec	w. no odor
3	10:1	1-	4.7			.55		5.36	148		14 .1				
4	10:14	t	5.1	L		.58		4.42	140		14 31				
5	16:1-	_	6.0			.71	6 .64		140	14	14.4			†	
6	16:2	D	6.0	1	5	.71	6.64	3,93	140	16	14.4	70.5	3 81.8		
7					5		- In In			(4%				
8	1														
9	.1				= 4		-3				120				
10	1						-9.						9		
11	- 1										760		11		
12	1				= 8							1 - 1			
				or liters]										7.00	ty, Color

(SIGNATURE)



(PRINTED NAME)

720 Olive Way, Suite 1900 Seattle, Washington 98101

DDRESS FROM								LID: S					
			/	attle W	A 98109		SAMPI		R-6	- 20141	217		
							DU	P ID:			- E-M-		
		NE	E	SE	S	SW	W NW	LIGHT		DIUM		HEAVY	
ATHER	: SUN	INY	PRTLY	CLOUDY	CLO	UDY	RAIN	TEMPE	RATURE:				a (
OLOGY	/LEVEL	MEAS	UREM	IENTS (Nearest 0.01	ft)	[Product Th	ickness] [Wa	iter Column]			r Column x	
	Time	DT-B	ottom	DT-I	Product	DT-Wa	iter DTP-D	DTW D	ΓB-DTW		Vo	olume (g	al)
14	4	/3	.98		2221 = 11	6.8	35		7.13	X1		1.16	2
/	1									Х3		3.41	36
a./2) ² x 0.163	1"=	0.041	2"=	0.163	3"=	0.367	4" = 0.653	6" = 1.469	10"=	4.080	12" =	5.8	75
					Sampled via: (1) Low-flow (2)	Purged 3 casing volumes			ampled	1	idie	
NDWAT	ER SAN	MPLIN	G DA	ГА				Sam	ple Depth:				
ype	Date			Method	Amoun	t & Volume	mL Preser	vative [circle]	Ice		pН		1
DPE 12	11/17	19	:90	- 1	1	500 m	L F	INO3	YES	/NO			
DPE 12	17/14	17	50		1	500 m	L	INO3	YES	YES	1 - 1		
G 12	117/14	12	:50	1.21	44	500 m	L	None	YES	NO			
12	177/14	77	50		-3	40 ml	L.	HCI	YES	NO			
PE I	117/14	11	:50			500 m	L	Vone	YES	NO			
lys 7	117/19	Pi	50			250 m	L	Vone	YES	NO	I E		
lys 17	17/14	14	:50		1	250 m	L. I	None	YES	Yes			
12	117/103				2	1L		None	YES	NO /			
		-		e count):	14				0				
		ANALYS	IS ALLO	WED PER I	BOTTLE TYPE	(Circle applica	ble or write non-standa	rd analysis belov	v)				
					(Ag) (As) (Be	(Cd) (Cr) (Cr	u) (Hg) (Ni) (Pb) (Sb	(Se) (Tl) (Zn)	(Ba)				
))									
	E			(e)									
				,									
IL AG		(PCBs)											
R QUAL	ITY DA	TA	Purge :	Start Tim	e: 19:6			Depth of to	ubing (ft bto	oc):			
Time	Cum. V	/olume	DTW(f	t bTOC)	pН	Turbidity (NTU)	E Cond (45/cm)	Temp °C	DO (mg/L)	ORP	1 100 - 100 - 100		
19:11	10	5 N.	7	. 35	6.57	22,0	0.839	10.91	8.40	-15.7	Yellow	, +1	+
19:15		7	100	7 7 7 1	6.45	15.8	0.850			-42.4		1200	
19:19	3.	9	7	. 63	6.40	10,5	0.855	11.03	7,70	-47.6	7.55		
19:27	5	2	7	. 80	6.37	7.36	0.255	11.19	7.57	-54.7	#1	J	
-		4	7	.90	6.36	4,52	0.850	11 . 34	7,54	-61.5	27		
14:3	7.	6			4.35	2,47	0.840	11.46	6.77	-69.7	17		
		R			6.35	1.61	0.847	11 53	6,51	-72.2	11		
	-	7)	_		6.34	@1.25	0,846	-	6.40	-79:5	11		
	1				W. 1						=		
4	-		_			401)	0					
1						AVI	-	-					
- 4) === 1				
	[gallons	or liters]						-			(Clarity, C	[olor]	
ity befor	7.60			NTU):			Turbidi	ty after san		ction (NTU	J):		
ts: 54	15F b	offon	1				0,6	3 NTI	0	20.11	hrs		
		3							1/	11			
	A										Section 1" = 0.041 2" = 0.163 3" = 0.367 4" = 0.653 6" = 1.469 10" - 4.089		1



SAMPLER: KELLER

720 Olive Way, Suite 1900 Seattle, Washington 98101

	ECT N	AME	: 8th A	Avenue	Termi	inals, I	nc.			WEL		2-7			
SITE	ADDR	ESS:	7400	8th Av	e S, Se	attle W	A 98109			SAMPL	EID: SU	2-7-	121514		
										DU	P ID:			4	
WIN	D FRO	OM:	N	NE	E	SE	S	SW	W	NW	LIGHT		DIUM		HEAVY
W	EATH	ER:	SUN	INY	PRTLY	CLOUDY	CLC	DUDY	R	AIN	TEMPER	RATURE:			°C
HYD	ROLO	GY/L	EVEL	MEAS	UREM	IENTS	(Nearest 0.01	ft)		[Product This	kness] [Wat	ter Column)		Circle approx [Wat	nriato (mits) ter Column x Gal/ft]
Da			ime		ottom	1	Product	DT-W	ater	DTP-D	rw D1	B-DTW		V	olume (gal)
12/15	5/14	12	:53	15	. 28		400	10.	75		8	.53	X1		1.39
1	1		:				ar .				-115		Х3		4.17
Gal/(t = (dia./2) ² x	0.163	1"=	0.041	2"=	0.163	3"=	0.367	.4" =	0.653	6" = 1.469	10" =	4.080	12" =	5.875
§ METHO	DDS: (A) V	Vaterra	(B) Perista	ltic Pump (C) Disposal	ble Bailer	Sampled via:	(1) Low-flow (2)	Purged 3 ca	sing volumes	(3) Purged dry, le	t recover, and sa	ampled		
GROU	JNDW	ATE	R SAN	MPLIN	G DA	ГА					Samp	ole Depth:			[v if used]
Bottle	Туре	D	ate	Ti	me	Method	Amou	nt & Volume	mL	Preserv	ative (circle)	Ice	Filter	pН	1
500 mL	HDPE	121	1914	14	:15	BI	1	500 m	ıL	Н	NO3	YES	NO		V
500 mL	HDPE	1	1		:(41/02		500 m	ıL.	Н	NO3	YES	YES		V
500 mL	AG	1	1		:		4	500 m	ıL	N	lone	YES	NO		V
40 mL v	ial	1	1		:	14	3	40 m	L	I	ICl	YES	NO		
Lg OJ H	DPE	- 1	1		:	E) (Y	1	500 m	ıL	N	one	YES	NO		V
250mL p	olys	1	/		:	FIE	1	250 m	ıL.	N	lone	YES	NO		~
250mL p	oolys	1	1	-3	: -		1	250 m	ıL	N	one	YES	Yes		V
', AG		1	11		:V	1	2	1 L		N	one	YES	NO		1
		Tota	I Bottles	(include	duplicat	e countly	14		-						
				lucience	aupiteat	c country.	1. 17								
	BO	TTLE T					BOTTLE TYP	E (Circle applica	ible or write	e non-standare	d analysis below)			
bev be	500 mL	HDPI	YPE	ANALYS Total ar	IS ALLO	WED PER ed Metals:					d analysis below (Se) (TI) (Zn)				
Allowed e Type	500 mL 500 mL	HDPI AG	YPE	ANALYS Total ar (PAHs)	IS ALLOV	WED PER ed Metals:									
sis Allowed Bottle Type	500 mL 500 mL 40 mL v	HDPI AG vial	YPE	ANALYS (Total ar (PAHs) (VOCs)	IS ALLOV	WED PER ed Metals:									
Analysis Allowed per Bottle Type	500 mL 500 mL 40 mL v Lg OJ F	HDPI AG vial HDPE	YPE E	(VOCs)	IS ALLO IN DISSOLVE (TPH-DISSOLVE)	WED PER ed Metals:									
Analysis Allowed per Bottle Type	500 mL 500 mL 40 mL v	AG vial HDPE polys	YPE E	ANALYS (Total ar (PAHs) (VOCs)	IS ALLO IN DISSOLVE (TPH-DISSOLVE)	WED PER ed Metals:									
1	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG	AG vial HDPE polys	YPE E	(PAHs) (VOCs) (IDS) (LL Hg)	(Chlorid	WED PER ed Metals:	(Ag) (As) (Be				(Se) (TI) (Zn)	(Ba)P	oc):		
1	500 mL 500 mL 40 mL v Lg OJ F 250 mL	AG vial HDPE polys	YPE E	(Total ar (PAHs) (VOCs) (IDS) (LL Hg) (PCBs)	(Chlorid	wed PER ed Metals:	(Ag) (As) (Be	e) (Cd) (Cr) (C	u) (Hg) (N	ii) (Pb) (Sb)	(Se) (TI) (Zn) Depth of tu	(Ba)?	7		ater Quality
4.1	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG R QU	AG vial HDPE polys ALIT	YPE E (TY DA Cum. \	ANALYS (Total ar (PAHs) (VOCs) (ITDS) (LL Hg) (PCBs) TA	(Chlorid	wed Per ed Metals:	(Ag) (As) (Bu	(Cd) (Cr) (C	u) (Hg) (N	ii) (Pb) (Sb) d (μS/cm)	(Se) (TI) (Zn) Depth of tu	(Ba)P	ORP	(C	olor, Clarity)
WATE	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG ER QU	HDPI AG vial HDPE polys ALIT	TY DA Cum. V	ANALYS (Total ar (PAHs) (VOCs) (IDS) (LL Hg) (PCBs) TA	(Chlorid	wed per ed Metals:	(Ag) (As) (Be	Turbidity (NTU)	E Cond	ii) (Pb) (Sb) d (μS/cm)	Depth of tu Temp *C	bing (ft bto DO (mg/L) 2-77	ORP	Clear.	olor, Clarity)
WATE	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG R QU Tim	HDPI AG vial HDPE polys ALIT	YPE E (TY DA Cum. \	ANALYS (Total ar (PAHs) (VOCs) (IDS) (LL Hg) (PCBs) TA	(Chlorid	wed per ed Metals:	ne: : pH	Turbidity (NTU) 23 - 2 20 0	E Cond	d (μS/cm)	Depth of tu Temp *C 15.26	bing (ft bto DO (mg/L) 2-77 2-74	ORP 1444 132.9	Clear v Small	olor, Clarity) Divange that, Drange paraco
WATE	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG R QU Tim 1 3 : 1 3 :	HDPI AG vial HDPE polys ALIT ne	YPE (IY DA Cum. \ 7 2.5	ANALYS (Total ar (PAHs) (VOCs) (IDS) (LL Hg) (PCBs) TA	(Chlorid	wed per ed Metals:	(Ag) (As) (Bo	Turbidity (NTU) 23 - 2 20 0 20 0	E Conce	d (μS/cm)	Depth of tu Temp *C 15.35 15.40	bing (ft bto DO (mg/L) 2.77 2.74 2.81	ORP 1444 132.9	Clear s Small NO od	olor, Clarity) Divange that, Drange paraco
Meas.	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG R QU Tim 1 3 : 1 3 :	HDPI AG vial HDPE polys ALIT	YPE (IY DA Cum. \ 7 2.5	ANALYS (Total ar (PAHs) (VOCs) (IDS) (LL Hg) (PCBs) TA	(Chlorid	wed per ed Metals:	(Ag) (As) (Buther ine: : pH	Turbidity (NTU) 23 - 2 20 0	E Cond	ii) (Pb) (Sb) ii) (Pb) (Sb)	Depth of tu Temp *C 15.26	bing (ft bto DO (mg/L) 2.77 2.74 2.81 2.70	ORP 1444 132.9 130 126.3	Clear s Small NO od	olor, Clarity) Drange hort, Drange paraco
Meas. 1 2 3	500 mL 500 mL 40 mL Lg OJ F 250 mL 1L AG ER QU Tim 13:1 13:1	HDPI AG vial HDPE polys ALIT ne	(TY DA Cum. V 2.5 3.2 4.0	ANALYS (Total ar (PAHs) (VOCs) (IDS) (LL Hg) (PCBs) TA	IS ALLO IS ALLO IN IT IN	Start Tin Start Tin 18 19 19 19 19 19 19 19 19 19	pH	Turbidity (NTU) 23 - 2 20 0 20 0	E Cond	d (μS/cm)	Depth of tu Temp *C 15.35 15.40	bing (ft bto DO (mg/L) 2.77 2.74 2.81 2.70 2.33	ORP 1444 132.9 1301 126.3 124.2	Clear s Small NO od	olor, Clarity) Drange hort, Orange parace
Meas. 1 2 3 4	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG IR QU Tim 13:1 13:1 13:1 13:1	HDPI AG vial HDPE polys ALIT ne 13	(TY DA Cum. V 2.5 3.2 4.0	ANALYS (Total ar (PAHs) ((VOCs) (IDS) (ILL Hg) (PCBs) TA /olume	IS ALLO IS ALLO IN IT IN	Start Tin t bTOC) 14 27 29 33	(Ag) (As) (Buther the control of the	Turbidity (NTU) 23 - 2 20 0 17.9 16.0 14.7	E Cond	ii) (Pb) (Sb) ii) (Pb) (Sb)	Depth of tu Temp *C 15.35 15.40 15.37 15.43	bing (ft bto DO (mg/L) 2.77 2.74 2.81 2.70 2.33 2.12	ORP 1444 132.9 130 126.3	Clear s Small NO od	olor, Clarity) Drange not, orange paraer
Meas. 1 2 3 4 5	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG IR QU Tim 13:1 13:1 13:1 13:1	AG vial HDPE polys ALITI ne 13 19 22 25 28	(TY DA Cum. V 2.5 3.2 4.0 4.7	ANALYS (Total ar (PAHs) ((VOCs) (IDS) (ILL Hg) (PCBs) TA /olume	IS ALLO IS ALLO IN IT IN	Start Tin Start Tin 19 19 19 21 27 29	me: : pH 0.27 0.30 0.32 0.32 0.32 0.33	Turbidity (NTU) 23-2 20-0 17-9 16-0	E Cond	d (µS/cm) 2 S 1 1 9 6 9 1 9 7 8 8	Depth of tu Temp °C 15.35 15.40 15.43	bing (ft bto DO (mg/L) 2-77 2-74 2.81 2-70 2-33 2-12 1.89	ORP 1444 132.9 1301 126.3 124.2 120.9 117.0	Clear s Small NO od	olor, Clarity) Drange not, orange paraer
Meas. 1 2 3 4 5 6	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG IR QU Tim 13:1 13:1 13:1 13:1 13:1 13:1 13:1	AG vial HDPE polys ALITI ne 13 19 22 25 28	(TY DA Cum. V 2.5 3.2 4.0 4.7	ANALYS (Total ar (PAHs) (VOCs) (IDS) (ILHg) (PCBs) TA	IS ALLO IS ALLO IN IT IN	Start Tin t bTOC) 14 27 29 33	pH 6.22 6.33 6.32 6.32 6.33	Turbidity (NTU) 23-2 20.0 17.9 16.0 14.7 11.5	E Cond	d (μS/cm) 2 S 1 I 9 U 9 T	Depth of tu Temp *C 15.35 15.40 15.37 15.43	bing (ft bto DO (mg/L) 2.77 2.74 2.81 2.70 2.33 2.12 1.89 2.01	ORP 1444 132.9 1301 126.3 124.2 120.9	Clear s Small NO od	olor, Clarity) Drange not, orange parael
Meas. 1 2 3 4 5 6 7	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG IR QU Tim 13:1 13:1 13:1 13:1 13:1 13:1 13:1	HDPI AG vial HDPE polys ALITI ne 13 10 19 22 28 31	(Y DA Cum. V 17 2,5 3.2 4,0 4.7 5.5 6,2	ANALYS (Total ar (PAHs) (VOCs) (IDS) (ILHg) (PCBs) TA	IS ALLO IS ALLO IN IT IN	Start Tin (t bTOC) 14 27 29 33 35	me: : pH 0.27 0.30 0.32 0.32 0.32 0.33	Turbidity (NTU) 23 - 2 20 0 17 - 9 16 - 0 14 - 7 11 - 5	E Conce 5 2 5 6 5 7 5 7 5 7 7 7 7 7 7 7 7 7 7 7 7 7	d (µS/cm) 2 S 1 1 9 6 9 1 9 7 8 8	Depth of tu Temp *C 15.35 15.40 15.43 15.52 15.49	bing (ft bto DO (mg/L) 2-77 2-74 2.81 2-70 2-33 2-12 1.89	ORP 1444 132.9 1301 126.3 124.2 120.9 117.0	Clear s Small NO od	olor, Clarity) Drange not, orange parael
Meas. 1 2 3 4 5 6 7 8	500 mL 500 mL 40 mL v Lg OJ F 250 mL 1L AG IR QU Tim 13:1 13:1 13:1 13:1 13:1 13:1 13:1 13:1	HDPI AG vial HDPE polys ALIT ne 13 10 19 22 28 31 334	(TY DA Cum. V 2.5 3.2 4.0 4.7 5.5 6.2 7.0	ANALYS (Total ar (PAHs) (VOCs) (IDS) (LL Hg) (PCBs) TA /olume	IS ALLO IS ALLO IN IT IN	wed per ed Metals:	(Ag) (As) (Bo	Turbidity (NTU) 23-2 20.0 17.9 16.0 14.7 11.5	E Cond 5 2 5 0 4 4 4 4	d (µS/cm) 2 S 1 1 9 6 0 1 9 7 8 8	Depth of tu Temp °C 15.35 15.40 15.37 15.43 15.52 15.49	bing (ft bto DO (mg/L) 2.77 2.74 2.81 2.70 2.33 2.12 1.89 2.01	ORP 1444 132.9 1301 126.3 124.2 120.9 117.0 114.8	Clear s Small NO od	olor, Clarity) Drange not, orange parael
Meas. 1 2 3 4 5 6 7 8 9	500 mL 500 mL 40 mL Lg OJ F 250 mL 1L AG IR QU Tim 13:1 13:1 13:1 13:1 13:1 13:1 13:1 13:1 13:1 13:1 13:1	HDPI AG vial HDPE polys ALIT ne 13 19 22 28 31 34 10	TY DA Cum. V 1 7 2 , 5 3 - 2 4 , 0 4 - 7 5 , 5 7 . 0 7 . 0	ANALYS (Total ar (PAHs) (VOCs) (IDS) (LLHg) (PCBs) TA /olume	IS ALLO IS ALLO IN IT IN	t bTOC) 14 17 18 21 27 29 33 35 35	(Ag) (As) (Bo	Turbidity (NTU) 23-2 20-0 17.9 16.0 14.7 11.5 10.2 8.77	E Cond 5 2 5 4 5 4 4 4 4 4	d (µS/cm) 2 S 1 1 9 6 9 7 8 8 8 7 8 7	Depth of tu Temp °C 15.35 15.40 15.37 15.43 15.52 15.49	bing (ft bto DO (mg/L) 2.77 2.74 2.79 2.70 2.33 2.12 1.89 2.01	ORP 1444 132.9 130 126.3 124.2 120.9 117.0 114.8 113.0	Clear s Small NO od	olor, Clarity) Drange hort, Orange parace
Meas. 1 2 3 4 5 6 7 8 9 10	500 mL 500 mL 40 mL v Lg OJ F 250 mL 11 AG IR QU Tim 13:1 13:1 13:1 13:1 13:1 13:1 13:1 13:1 13:1 13:1	HDPI AG vial HDPE polys ALIT ne 13 10 19 22 8 31 10 13 11 11 11 11 11 11 11 11 11 11 11 11	(TY DA Cum. V 2,5 3.2 4,0 4,7 5,2 6,2 7,0	ANALYS (Total ar (PAHs) (VOCs) (IDS) (ILLHg) (PCBs) TA /olume	IS ALLO IS ALLO IN IT IN	Start Tin (tbTOC) - 14 - 27 - 29 - 33 - 35 - 35 - 38	(Ag) (As) (But and a section of the	Turbidity (NTU) 23-2 20-0 17-9 16-0 14-7 11-5 10-2 8-77 5-82	E Conc 5 2 5 4 5 4 4 4	d (µS/cm) 2 S 1 1 9 6 9 7 8 7 8 7 8 6	Depth of tu Temp *C 15.35 15.43 15.43 15.52 15.49 15.51	bing (ft bto DO (mg/L) 2.77 2.74 2.81 2.70 2.33 2.12 1.89 2.01 1.55 1.39	ORP 1444 132.9 130.1 126.3 124.2 120.9 117.0 114.8 113.0 107.7	Clear s Small NO od	olor, Clarity) Drange not, orange parael



SEDIMENT CORE LOGS

				Sediment Core Log SSED-SB-12A	Sheet	1 of 1
Project	t: Draft RI Re	port, 8th Ave Te	erminals, Inc.	Location: 7400 8th Ave S., Seattle WA	Tube Length (ft): 15.0	
Project	t #: 131044-0	1.01		Surface Water Elevation (MLLW): 7.3ft	Penetration Depth (ft): 15ft	
Client:	DeNovo Sea	ttle, LLC		Water Depth (ft): LL: -18.8	Field Recovery Length (ft): 1	L3.1ft
Collect	ion Date:	12/12/14		Mudline Elevation (ft MLLW): -11.5ft	Process Date: 12/15/14	
Contra	ctor: MSS			Northing: 198597.061 Easting: 1272607.387	Process Method: Cut tube	
Vessel	Nancy Ann	e		Horiz. Datum: NAD83 SP WA N, US Ft Vert. Datum: MLLW	Sample Quality: Good	
Operat	tor: Bill Jaw	orski		Method/Tube ID: Vibracore/3.75"	Logged By: EM/BW	
Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in Recovered Depth Classification Scheme: ASTM	S.	Estimated In-situ Elevation (MLLW)

		0	SILT (ML): 0-3.0ft: Moist, soft, black, 95% fines (low plasticity), 5% fine sand. Contains trace organics (hair-like fibers, wood fibers). Trace biota (shells).
			SILT (ML): 0.3-6.8ft: Moist, medium stiff, black, 90% fines (low plasticity fines), 10% fine sand. Occasional organics (wood fibers & fragments, hair-like fibers).
SSED-58-12A-2-4	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs	0	
SSED-SB-12A-4-6	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs		
SSED-SB-12A-6-7.7	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs	0	SILT (ML): 6.8-7.8ft: Moist, medium stiff, dark gray, 5% fine sand, 95% fines. Trace organics (wood fibers), medium plasticity, fines. Trace H2S-like odor. @7.8ft: NATIVE CONTACT.
SSED-SB-12A-8-10	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs		POORLY GRADED SAND (SP): 7.8-12.9ft: Moist, loose, dark gray, 100% sand (fine to medium). Contains occasional small (<1 in) pockets of moist, dense, gray brown SILT crumbles. @8.0ft: 1 piece dense sand ball, contains organic (wood fibers). @8.3-8.4ft: Pocket of moist, medium dense, black, SILT (CLAY (ML/CL)), 90% fines, 10% fine sand. @8.3-8.6ft: 1 piece anthropogenic material, diameter of tube, 1.5 in wide, puck-shaped. Upon
		0	clearing off piece- shiny surface, very dense. Trace napthalene-like odor. @9.8-10.7ft: Contains occasional organics (wood fragments & fibers, sticks). @10.4-10.7ft: Pocket of substantial organics (wood fragments up to 4 in). @10.7-12.9ft: Moist, dense, dark gray, 95% fine sand, 5% fines.
			@11.9-12.3ft: Stratified bed of SILTY SAND (SM), moist, medium dense, gray, 75% fine sand, 25% fines.
			End of core @12.9ft.

	Sediment Core Log SSED-SB-13A	Sheet 1 of 1
Project: Draft RI Report, 8th Ave Terminals, In	Location: 7400 8th Ave S., Seattle WA	Tube Length (ft): 15.0
Project #: 131044-01.01	Surface Water Elevation (MLLW): 12.1ft	Penetration Depth (ft): 14ft
Client: DeNovo Seattle, LLC	Water Depth (ft): LL: -17.7ft	Field Recovery Length (ft): 12.1ft
Collection Date: 12/13/14	Mudline Elevation (ft MLLW): -5.6FT	Process Date: 12/15/14
Contractor: MSS	Northing: 198701.905 Easting: 1272474.68	Process Method: Cut tube
Vessel: Nancy Anne	Horiz. Datum: NAD83 SP WA N, US Ft Vert. Datum: MLLW	Sample Quality: Good
Operator: Bill Jaworski	Method/Tube ID: Vibracore/3.75"	Logged By: EM/BW
Recoverd Depth (ft) Recovered Interval & Sample Chemical Analysis PID Measurement	Sediment Description Samples and Descriptions are in Recovered Depth Classification Scheme: ASTM	Estimated In-situ Elevation (MLLW)

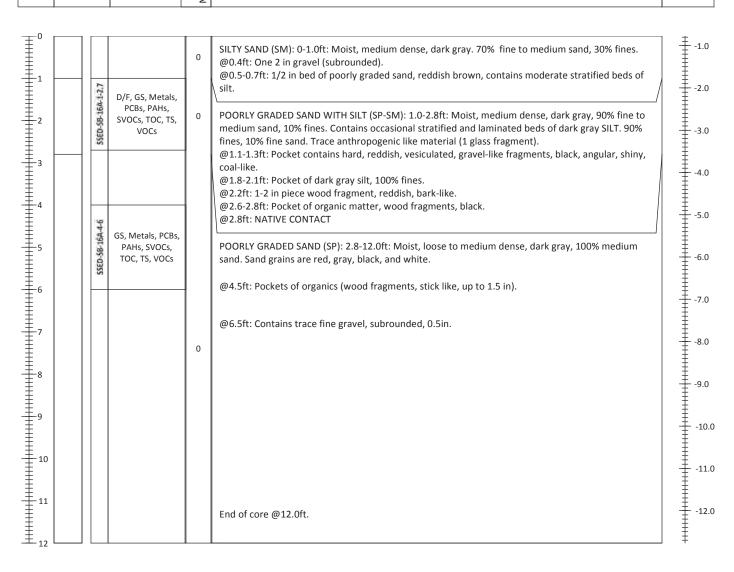
		0	SANDY SILT (ML): 0-0.1ft: Moist, soft, gray brown, 30% fine sand, 70% fines.
SSED-SB-13A-0,5-2	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs	0	POORLY GRADED SAND (SP): 0.1-2.2ft: Moist, medium dense, dark gray, 5% fines, 95% medium sand. Trace organics (stick), sand grains are black, red, orange, white. @0.6-1.4ft: Pockets of SILTY SAND (SM), moist, medium stiff, dark gray with black mottling, 70% medium sand, 30% fines. Occasional anthropogenic material (1/4 in black, angular, shiny, coal-like
			fragments). @1.4-2.0ft: Sand is reddish brown, grades to dark gray. @2.0ft: 1-2 in gravel (subrounded white). @2.2-2.4ft: Pocket of dark gray SILT 10% fine sand, 90% fines.
SSED-58-13A-3-5	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs	0	POORLY GRADED SAND (SP): 2.2-6.2ft: Moist, medium dense, dark gray, 100% medium sand. Sand grains are dark gray, black, white, orange. Contains occasional to trace pockets of brown gray silt. 1/2 in diameter.
			@5.3-5.5ft: 0.5 in stratified bed contains coarse sand and occasional fine gravel/subrounded.
		0	SILT WITH SAND (ML): 6.2-8.0ft: Moist, medium stiff, gray, 10% fine sand, 90% fines, low-medium plasticity. @ 6.2ft: 1 in piece c-gravel, 2.5 in, subrounded and subangular. @ 6.8-7.3ft: SILT is soft, lighter gray. Sand content increases downcore.
			(20.8-7.3ft: SILT is soft, lighter gray. Sand content increases downcore.
			POORLY GRADED SAND (SP): 8.0-11.7ft: Moist, medium dense to dense, gray, 5% Fines, 95% fine sand, contains stratified beds with increased sand content. @9.0-9.7ft: Layer same as above @6.2ft.
		0	@10.2ft: Organic matter (wood fragment, stick). @10.5-11.7ft: Sand is medium, 100% SAND.
			End of core @11.7ft.

Notes: 1.Attempt 2 of 2.

				Sediment Core Log SSED-SB-14A	Sheet	1 of 1
Project: Dra	aft RI Rep	ort, 8th Ave Te	rminals, Inc	Location: 7400 8th Ave S., Seattle WA	Tube Length (ft): 15.0	
Project #: 1	31044-01	1.01		Surface Water Elevation (MLLW): 11.7ft	Penetration Depth (ft): 13.8	fft
Client: DeN	lovo Seat	tle, LLC		Water Depth (ft): LL: -10.5ft	Field Recovery Length (ft):	L4ft
Collection D	Date: 1	2/13/14		Mudline Elevation (ft MLLW): +1.2	Process Date: 12/14/15	
Contractor:	: MSS			Northing: 198778.867 Easting: 1272485.023	Process Method: Cut tube	
Vessel: Na	ncy Anne			Horiz. Datum: NAD83 SP WA N, US Ft Vert. Datum: MLLW	Sample Quality: Good	
Operator:	Bill Jaw	orski		Method/Tube ID: Vibracore/3.75"	Logged By: EM/BW	
Recoverd Depth (ft) Recovered	Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description Samples and Descriptions are in Recovered Depth Classification Scheme: ASTM	15.	Estimated In-situ Elevation (MLLW)

-		0	SILTY SAND (SM): 0-0.4ft: Moist, medium dense, dark gray, 25% fines, 75% sand (medium).
SSED-SB-14A-0,5-2	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs	0	SILT (ML): 0.4-2.1ft: Moist, dark gray with black mottling, 10% fine sand, 90% fines. Contains organics (sticks). Contains trace biota (shell). @0.75-0.8ft: 2-1/4 in laminated beds of sand. @0.75ft gray, @0.8ft black. @2.0ft: Contains anthropogenic material (black, coal-like).
7		0	@2.1-2.3ft: Layer of organic (wood fragments, reddish, partially decomposed, slight H2S like odor).
SSED-58-14A-3	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs	0	SILTY SAND (SM): 2.3-3.8ft: Moist, dense, gray, 30% fines, 70% medium to coarse sand, contains moderate organics (wood fragments), contains substantical anthropogenic material (angular, brick-like fragments up to 2 in, molten glass-like fragments up to 2 in).
14A-4-6	GS, Metals, PCBs,		POORLY GRADED SAND (SP): 3.8-6.0ft: Moist, loose-medium dense, dark reddish gray, 100% sand (fine), color grades to dark gray.
SSED-SB-1	PAHs, SVOCs, TOC, TS, VOCs		@6.0ft: NATIVE CONTACT
			POORLY GRADED SAND (SP): 6.0-13.5ft: Moist, loose to medium, dense, dark gray, 100% medium sand. Sand grains are black, dark gray, white, red.
SSED-SB-14A-7-9	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs		@6.8ft: Several pieces of organic matter (wood fragments up to 2 in).
		0	
			@12-13.5ft: Sand is dense. @12.5-12.8ft: Pocket of silty sand, moist, dense, dark gray, 30% fines, 70% fine sand. 1 piece organic material, wood fragment (branch like fragment) up to 2 in. End of core @13.5ft.
	SSED-58-14A-7-9 SSED-58-14A-4-6 SSED-58-14A-0.5-2	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCS GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCS

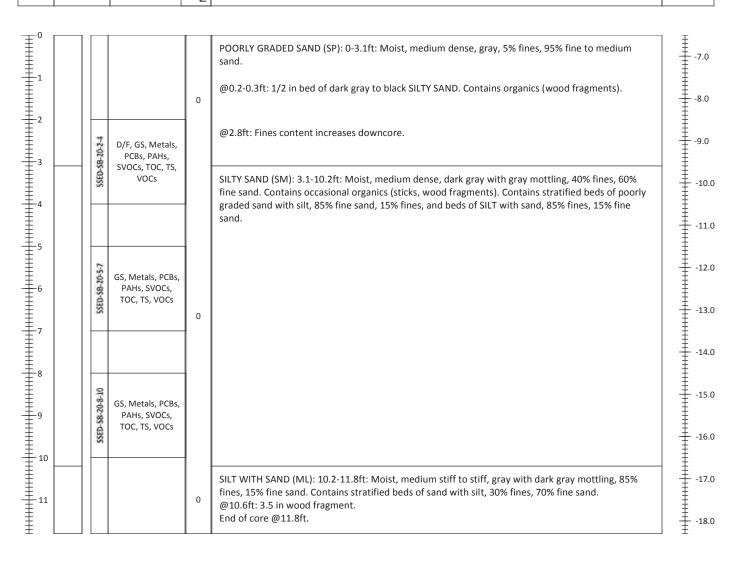
				Sediment Core Log SSED-SB-16A	Sheet	1 of 1
Project	t: Draft RI Re	port, 8th Ave Te	erminals, Inc.	Location: 7400 8th Ave S., Seattle WA	Tube Length (ft): 15.0	
Project	t #: 131044-0	1.01		Surface Water Elevation (MLLW): 6.9ft	Penetration Depth (ft): 15ft	
Client:	DeNovo Sea	ttle, LLC		Water Depth (ft): LL: -7.7ft	Field Recovery Length (ft): 1	L2.3ft
Collect	ion Date:	12/12/14		Mudline Elevation (ft MLLW): -0.77ft	Process Date: 12/15/14	
Contra	ctor: MSS			Northing: 198750.424 Easting: 1272484.308	Process Method: Cut tube	
Vessel	Nancy Ann	е		Horiz. Datum: NAD83 SP WA N, US Ft Vert. Datum: MLLW	Sample Quality: Good	
Operat	tor: Bill Jaw	orski		Method/Tube ID: Vibracore/3.75"	Logged By: EM/BW	
Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID	Sediment Description Samples and Descriptions are in Recovered Depth Classification Scheme: ASTM	s.	Estimated In-situ Elevation (MLLW)



				Sediment Core Log SSED-SB-19	Sheet	1 of 1
Project	: Draft RI Re	port, 8th Ave Te	erminals, Inc.	Location: 7400 8th Ave S., Seattle WA	Tube Length (ft): 15.0	
Project	#: 131044-0	1.01		Surface Water Elevation (MLLW): 12.4ft	Penetration Depth (ft): 14ft	
Client:	DeNovo Sea	ttle, LLC		Water Depth (ft): LL: -13.2ft	Field Recovery Length (ft): 1	13.3ft
Collect	ion Date:	12/13/14		Mudline Elevation (ft MLLW): -0.77ft	Process Date: 12/16/14	
Contra	ctor: MSS			Northing: 198779.874 Easting: 1272448.682	Process Method: Cut tube	
Vessel:	Nancy Anno	2		Horiz. Datum: NAD83 SP WA N, US Ft Vert. Datum: MLLW	Sample Quality: Good	
Operat	or: Bill Jaw	orski		Method/Tube ID: Vibracore/3.75"	Logged By: EM/BW	
Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description Samples and Descriptions are in Recovered Depth Classification Scheme: ASTM	is.	Estimated In-situ Elevation (MLLW)

\dashv			0	SILTY SAND (SM): 0-0.4ft: Moist, medium dense, dark gray, 30% fines, 70% medium sand. Contains pockets with reddish brown color.
			0	SILT (ML): 0.4-3.7ft: Moist, medium stiff to stiff, very dark gray, 5% fine sand, 95% fines. SILT/CLAY (ML/CL) can be remolded and rolled into 1/8 in ribbon. Medium plasticity fines. Trace H2S-like odor. Contains occasional organics (wood fragments up to 1.5 in). Contains trace biota (shell).
	SSED-SB-19-2-4	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs	0 0	@2.1-2.3ft: Moist, medium stiff, dark gray, 30% fines, 70% fine sand. @2.3-2.5ft: Stratified bed of poorly graded sand 100% fine sand. @2.5-3.7ft: Moist, medium stiff, dark gray, SILT, 90% fines, 10% fine sand, contains trace organics (wood fragments).
	SSED-SB-19-4-6	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs	0	POORLY GRADED SAND WITH SILT (SP-SM): 3.7-6.0ft: Moist, medium dark to dark gray, 20% fines, 80% medium sand, contains laminated beds and pockets of increased silt content. Trace H2S like odor. @5.8-6.0ft: Stratified bed same as above @2.5ft.
			0	POORLY GRADED SAND (SP): 6.0-6.8ft: Moist, medium dense, dark gray, 5% fines, 95% medium sand. Trace H2S-like odor. Sand grains are dark gray, white, red, and black.
	SSE0-58-19-7-9	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs	0	SILT (ML): 6.8-10.6ft: Moist, medium stiff to stiff, gray with dark gray mottling, 5% fine sand, 95% fines, low plasticity fines.
				SILT WITH SAND (ML): 10.6-12.8ft: Moist, stiff, gray, 20% fine sand, 80% fines. Low plasticity.
			0	End of core @12.8ft.

Sediment Core Log SSED-SB-20 Sheet						
Project: Draft RI Report, 8th Ave Terminals, Inc.				Location: 7400 8th Ave S., Seattle WA	Tube Length (ft): 15.0	
Project #: 131044-01.01				Surface Water Elevation (MLLW): 12.6ft	Penetration Depth (ft): 14ft	
Client: DeNovo Seattle, LLC				Water Depth (ft): LL: -19.2ft	Field Recovery Length (ft): 12.1ft	
Collection Date: 12/13/14				Mudline Elevation (ft MLLW): -6.5ft	Process Date: 12/16/14	
Contractor: MSS				Northing: 198726.831 Easting: 1272437.196	Process Method: Cut tube	
Vessel: Nancy Anne				Horiz. Datum: NAD83 SP WA N, US Ft Vert. Datum: MLLW	Sample Quality: Good	
Operator: Bill Jaworski				Method/Tube ID: Vibracore/3.75"	Logged By: EM/BW	
Recoverd Depth (ft)	Recovered Interval & Sample	Chemical Analysis	PID Measurement	Sediment Description Samples and Descriptions are in Recovered Depth Classification Scheme: ASTM	is.	Estimated In-situ Elevation (MLLW)





SOIL BORING LOGS

Soil Boring Log Sheet 1 of 1 DMW-6A 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1272867.6 Easting: 198906.288 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 11/26/2014 Contractor: Method: Geoprobe, 2.25" diameter Holt Services, Inc. Sample Recovery (%) Sample Name **Soil Description** Graphic Log (mdd) Samples and descriptions are in recovered depths. Depth (ft) Depth (ft) Classification scheme: USCS 吕 -0 -0 1 0.0-0.6ft: ASPHALT. Dark gray, coarse, angular, fine. 0.0 0.6-1.1ft: SAND WITH GRAVEL (SP). 85% sand (medium to coarse, poorly graded), 15% gravel (fine, angular). DMW6A-2-3 1.1-2.0ft: POORLY GRADED SAND (SP). Light brown, damp, medium dense, 90% sand (fine to medium, poorly 91 ‡3 graded), 5% fines (silt), 5% gravel (fine, subrounded). -3 DMW-6A-3-3.5 2.0-3.0ft: FILL. Red-brown to black, damp, medium dense, organics (woody fibers), oxidation. 3.0-3.7ft: FILL. Ash-like debris, white to light gray, dense, dry, chalky. ---5 3.7-5.3ft: POORLY GRADED SAND (SP). Dark gray, damp, dense, 95% sand (fine), 5% gravel (fine, subrounded) ‡-6 -6 DMW6A-6.5-8 @4.6ft: Pocket, rubble/fill, same as @2.0ft. ‡, ‡-7 5.3-6.1ft: ASPHALT-like, light gray, dense. +8 -8 DMW6A-8-10 6.1-13.6ft: POORLY GRADED SAND (SP). Gray, damp, dense, 95% sand (fine to medium, fines upward with layers 8in <u>‡</u>9 -9 thick), 5% fines (silt). ‡ 10 10 @6.5-6.9ft: Sand (medium to coarse). @10.5ft: Becomes wet, standing water. † 11 @11.9-12.5ft: Oxidation. + 12 12 74 - 13 1 13 ‡ 14 - 14 13.6-20.0ft: POORLY GRADED SAND (SP). Red-brown, wet, dense, 95% sand (medium to coarse), 5% fines (silt). + 15 - 15 DMW6A-15-17 ± 16 @16.5ft: Color is dark gray. - 16 ‡ 17 - 17 91 18 DMW-6A-18-20 + 19 - 19 End of core @20.0ft below ground surface. <u>∓</u> 20 - 20 ‡21 - 21 - 22 + 22 ‡ 23 - 23 ± 24 - 24



Notes:

Soil Boring Log Sheet 1 of 1 **EB-03** 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1273011.425 Easting: 199620.896 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/05/2014 Contractor: Holt Services, Inc. Method: Geoprobe, 2.25" diameter Sample Recovery (%) Sample Name **Soil Description** Graphic Log Samples and descriptions are in recovered depths. Depth (ft) PID (ppm) Depth (ft) Classification scheme: USCS -0 1 0-1.2ft: ASPHALT. Light gray, gravel, fine, angular. +1 0.0 1.2-2.4ft: SILTY SAND WITH GRAVEL (SM). Light brown to gray to dark brown (each approximately 0.4ft thick). 70% sand (fine to medium, poorly graded), 15% gravel (fine, angular), 15% fines (stiff), dry, dense. 80 +3 +3 2.4-4.5ft: Dark gray with red and white grains, damp, dense, 95% sand (fine to medium, predominantly medium, EB-03-3-5 poorly graded), 5% fines (silt). @2.4ft: Anthropogenic debris- light pink, brick like debris, coarse gravel size, angular. ‡ ‡5 <u>∓</u>5 4.5-10.8ft: Dark gray, wet, medium dense, 90% sand (fine to medium, predominantly fine), 10% fines (silt), with ±_6 -6 interbedded SILT (ML), dark gray, with black mottling, (slight) wet, stiff, 90% fines (silt, holds shape), 10% sand (fine EB-03-6-8 to medium, poorly graded). Gray grains. ‡ † 0.0 82 ₹8 +8 FB-03-8-10 ±_9 + 10 + 10 EB-03-11-13 10.8-20.0ft: Dark gray, wet, dense, 85% sand (fine to medium, predominantly fine, poorly graded), 15% fines (silt). 12 - 12 96 + 13 - 13 ± 14 + 14 ± 15 - 15 I 16 ‡ 16 ‡ 17 - 17 0.0 96 - 18 + 19 - 19 End of core @20.0ft below ground surface. + 20 - 20 ± 21 - 21 + 22 - 22 ± 23 - 23 ± 24 - 24



206-287-9130

Soil Boring Log Sheet 1 of 1 **EB-06** 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1273355.786 Easting: 199660.328 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/09/2014 Contractor: Holt Services, Inc. Method: Geoprobe, 2.25" diameter Sample Recovery (%) Sample Name **Soil Description** Graphic Log (mdd) Samples and descriptions are in recovered depths. Depth (ft) Depth (ft) Classification scheme: USCS 吕 1 0.0-0.1ft: MOSS. Green, fresh. 0.0 0.1-0.5ft: POORLY GRADED GRAVEL WITH SAND (GP). 75% gravel (fine to coarse, angular), 15% sand (fine to medium), 10% fines (silt). EB-06-2-4 62 3 0.5-1.7ft: SILTY SAND WITH GRAVEL (SM). Dark brown, moist, medium dense, 70% sand (fine to medium, poorly -3 graded), 15% gravel (fine, angular), 15% fines (silt and soil). @1.45-1.7ft: Color is yellow brown. +5 1.7-9.35ft: POORLY GRADED SAND (SP). 100% sand (medium to coarse, poorly graded), white to light gray, moist, ‡-6 -6 EB-06-6-8 @2.25ft: Same as above @1.7, but 95% sand (fine to medium, predominantly medium), 5% fines (silt), and sand is ‡, 62 0.0 +8 +8 @6.1ft: Sand is predominantly fine. FB-06-8-10 <u>‡</u>9 ‡₉ 9.35-12.1ft: SILT (ML). Brown with orange-brown mottling, moist, stiff, 90% fines (silt, holds shape), 10% sand (fine + 10 ‡ 10 to medium, predominantly fine). † 11 @10.0ft: Grades to wet, standing water. + 12 - 12 EB-06-12-14 96 12.1-20.0ft: SILTY SAND (SM). Brown, wet (standing water), medium dense, 85% sand (fine to medium, + 13 - 13 predominantly fine, poorly graded), 15% fines (silt). + 14 ± 14 - 15 - 15 EB-06-15-17 ± 16 - 16 ‡ 17 - 17 0.0 96 - 18 + 19 - 19 End of core @20.0ft below ground surface. ‡ 20 - 20 ‡-21 - 21 - 22 - 1 22 ‡ 23 - 23 ± 24 - 24

Soil Boring Log Sheet 1 of 1 **EB-07** 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1273372.891 Easting: 199564.936 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/05/2014 Contractor: Method: Geoprobe, 2.25" diameter Holt Services, Inc. Sample Recovery (%) Sample Name **Soil Description** Graphic Log (mdd) Samples and descriptions are in recovered depths. Depth (ft) Depth (ft) Classification scheme: USCS PID (-0 0-1.4ft: POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM). Gray to brown, damp, dense, 75% sand (fine to medium, poorly graded), 15% gravel (fine, angular), 10% fines (silt). 0.0 1.4-3.6ft: POORLY GRADED SAND (SP). Light brown, damp, dense, 90% sand (fine to medium, predominantly fine), EB-07-2-4 5% fines (silt), 5% gravel (fine, angular). 72 3 ‡-3 @3.0-3.6ft: Anthropogenic debris (white fine brick-like/concrete-like, coarse sand size). 3.6-6.1ft: POORLY GRADED SAND WITH GRAVEL (SP). Gray, damp, dense, 75% sand (medium to coarse, predominantly medium, poorly graded), 25% gravel (fine, angular), FILL-like. +5 EB-07-5-7 ‡-6 -6 0.0 44 6.1-7.0ft: SANDY ORGANIC SOIL (OL/OH). Dark brown to black, damp, 75% soil, 25% sand (fine to medium, poorly ‡_7 ‡7 46 +8 7.0-8.0ft: POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM). Same as above @3.6ft. -8 FB-07-8-10 <u>‡</u>9 Į_9 8.0-12.4ft: SILT WITH SAND (ML). Brown with orange-brown mottling, moist, firm, 75% fines (silt, holds shape), 25% sand (fine to medium, predominantly fine, poorly graded). 10 + 10 † 11 EB-07-11-13 + 12 - 12 88 12.4-15.0ft: POORLY GRADED SAND WITH SILT (SP-SM). Gray, wet, dense, 90% sand (fine to medium, predominantly + 13 - 13 fine, poorly graded), 10% fines (silt), interbedded with thinly laminated SILT (ML) (1-2 mm), light gray, firm, wet, 90% silt (fine), 10% sand. + 14 - 14 ‡ 15 - 15 15.0-20.0ft: POORLY GRADED SAND (SP). Dark gray, wet (standing water), medium dense, 90% sand (fine to medium, EB-07-15.5-17.5 ± 16 predominantly fine), 10% fines (silt). - 16 ‡ 17 - 17 96 0.0 18 + 19 - 19 End of core @20.0ft below ground surface. ‡ 20 - 20 ‡21 - 21 - 22 + 22 ‡ 23 - 23 ± 24 - 24



206-287-9130

Soil Boring Log Sheet 1 of 1 **EB-11-A** 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Northing: 1273191.937 Project #: 131044-01 Easting: 199261.106 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/04/2014 Contractor: Method: Geoprobe, 2.25" diameter Holt Services, Inc. 8 Sample Recovery Sample Name Soil Description Log Samples and descriptions are in recovered depths. PID (ppm) Depth (ft) Depth (ft) Graphic Classification scheme: USCS _0 0-0.4ft: ASPHALT. Gray, gravel, fine, angular. 0.4-2.5ft: POORLY GRADED SAND (SP). Light brown to dark gray, dry, medium dense, 90% SAND (fine to medium, poorly graded), 10% gravel (fine, angular). 86 0.0 ±з +3 2.5-6.1ft: POORLY GRADED SAND WITH GRAVEL (SP). Light brown, dry, medium dense, 85% sand (fine to medium, EB-11-3-5 predominantly medium, poorly graded), 15% gravel (fine, angular). ‡-4 +4 @5.0-6.1ft: Anthropogenic debris (brick-like fragments, white -concrete-. White to light red, dry, loose (fill-like). -5 FB-11-5-7 ‡6 +6 6.1-11.2ft: POORLY GRADED SAND (SP). Brown, damp, dense, 95% sand (fine to medium, predominantly fine, poorly graded), 5% fines (silt). 80 0.0 +8 @8.0ft: Sand grades to dark gray, predominantly medium, grains red, white, and gray. --8 EB-11-8-10 @10.0ft: Sand is predominantly fine. ‡₁₀ ‡ 10 0.0 11.2-15.0ft: SILTY SAND (SM). Brown to red-brown, wet, dense, 85% sand (fine to medium, poorly graded), 15% fines +12 - 12 (silt), potential oxidation. + 13 - 13 @13.0ft: Graded to gray, no potential oxidation. ‡ 14 - 14 - 15 - 15 15.0-20.0ft: POORLY GRADED SAND (SP). Dark gray, moist to wet, dense, 95% sand (fine to medium, predominantly Ŧ₁₆ fine, poorly graded), 5% fines (silt). - 16 ‡ 17 - 17 100 0.0 18 + 19 @18.5-18.7ft: Lens SILT (ML). Gray, stiff, damp, 95% fines (silt), 5% sand (fine to medium), organic (dark brown plant - 19 _ 20 + 20 End of core @20.0ft below ground surface. + 21 - 21 --- 22 - 22 ± 23 23 - 24 - 24



Notes:

- 1. VOCs and TPH G taken from EB-11-A.
- 2. All samples homogeneous from EB-11-A&B for volume requirements.

Soil Boring Log Sheet 1 of 1 EB-11-B 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1273191.937 Easting: 199261.106 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/04/2014 Contractor: Holt Services, Inc. Method: Geoprobe, 2.25" diameter Sample Recovery (%) Sample Name **Soil Description** Graphic Log (mdd) Samples and descriptions are in recovered depths. Depth (ft) Depth (ft) Classification scheme: USCS PID (-0 1 0-0.4ft: ASPHALT. Gray, gravel fine, angular. 0.0 +1 0.4-2.8ft: POORLY GRADED SAND WITH GRAVEL (SP). Light brown to dark gray, dry, medium dense, 85% SAND (fine ±_2 to medium, poorly graded), 15% gravel (fine, angular). 77 ‡3 +3 EB-11-3-5 2.8-10.8ft: POORLY GRADED SAND (SP). Light brown, dry, medium dense, 90% sand (fine to medium, poorly graded), 10% gravel (fine, subrounded). Į_5 ---5 EB-11-5-7 <u>+</u>6 @6.8-7.1ft: Lens, white-gray, anthropogenic debris (white, concrete-like, gravel, fine, angular) (fill-like). - 6 ‡7 @7.1ft: Sand is predominantly fine. 0.0 89 +8 ‡8 FB-11-8-10 @8.8ft: Sand grades to dark gray, predominantly medium, grains red, white, and gray, 95% sand, 5% fines (silt). <u>‡</u>9 -9 ‡ 10 10 † 11 0.0 10.8-12.8ft: POORLY GRADED SAND WITH SILT (SP-SM). Brown to red-brown, wet, dense, 90% sand (fine to medium, predominantly fine), 10% fines (silt), potential oxidation. 12 - 12 84 ‡ 13 - 13 12.8-20.0ft: POORLY GRADED SAND (SP). Dark gray, wet, dense, 95% sand (fine to medium, predominantly medium, poorly graded), 5% fines (silt). Grains red, white, and gray. ± 14 - 14 15 - 15 @15ft: Same as above @12.8 ft. POORLY GRADED SAND (SP). I 16 - 16 ‡ 17 - 17 96 18 + 19 - 19 End of core @20.0ft below ground surface. ‡ 20 - 20 ‡ 21 - 21 - 22 - 1 22 <u>+</u> 23 - 23 ± 24 - 24

Soil Boring Log Sheet 1 of 1 EB-12-C Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: 7400 8th Avenue S., Seattle WA 98108 Project #: 131044-01 Northing: 1273306.837 Easting: 199288.561 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/04/2014 Contractor: Holt Services, Inc. Method: Geoprobe, 2.25" diameter Sample Recovery (%) Sample Name **Soil Description** Graphic Log (mdd) Samples and descriptions are in recovered depths. Depth (ft) Depth (ft) Classification scheme: USCS PID (-0 0-0.5ft: ASPHALT. Gray, gravel, fine, angular. 0.5-1.1ft: POORLY GRADED SAND (SP). Brown, dry, medium dense, 90% sand (fine to medium, poorly graded), 10% gravel (fine, angular). EB-12-2-4 76 ‡3 1.1-20.0ft: POORLY GRADED SAND (SP). Brown, damp, dense, 90% sand (fine to medium, poorly graded), 5% fines _ _3 (silt), 5% gravel (fine, subrounded). @3.4ft: Anthropogenic debris (white concrete-like, gravel, angular). ---5 EB-12-5-7 ±6 - 6 @6.1-6.4ft: Anthropogenic debris (white, concrete-like, fine brick-like), gravel, fine, diesel-like odor. ‡7 @7.3ft: Sand grades to dark gray, predominantly fine, 95% sand, 5% fines (silt). 74 +8 _ __8 FB-12-8-10 @9.0-9.2ft: Lens, black, fused, glassy, sandy material, coal-like fragments, grades to dark gray/blue @ bottom. <u>‡</u>9 ‡ 10 - 10 @11.5-12.5ft: Layer, POORLY GRADED SAND WITH SILT (SP-SM). Dark gray/blue, 85% sand (fine to medium, † 11 predominantly fine, poorly graded), 5% gravel (fine, angular), 10% fines (silt), anthropogenic debris (red brick-like 12 fragments and white-gray concrete-like). - 12 @12.3-13.3ft: Anthropogenic debris (white-gray, concrete-like, gravel, coarse, angular). 76 + 13 - 13 ± 14 - 14 + 15 @15.0ft: Same as above @7.3 ft, POORLY GRADED SAND (SP), dark gray, damp, dense, 95% sand (fine to medium, - 15 EB-12-15-17 predominantly fine, poorly graded), 5% fines (silt). ± 16 - 16 ‡ 17 - 17 98 18 EB-12-18-20 + 19 - 19 End of core @20.0ft bgs. ‡ 20 - 20 ‡21 - 21 - 22 + 22 + 23 23 ± 24 - 24

206-287-9130

Soil Boring Log Sheet 1 of 1 **EB-13** 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1273292.581 Easting: 199482.172 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/05/2014 Contractor: Holt Services, Inc. Method: Geoprobe, 2.25" diameter Sample Recovery (%) Sample Name **Soil Description** Graphic Log Samples and descriptions are in recovered depths. PID (ppm) Depth (ft) Depth (ft) Classification scheme: USCS 0-0.6ft: POORLY GRADED GRAVEL WITH SAND (GW). Gray, wet, dense, 80% gravel (fine to coarse, angular), 15% sand (fine to medium), 5% fines (silt). 0.6-6.5ft: POORLY GRADED SAND WITH GRAVEL (GP). Brown, damp, dense, 85% sand (medium to coarse, poorly EB-13-2-4 graded), 15% gravel (fine to coarse) subrounded to subangular (back-fill like). 46 0.0 ‡3 ‡-3 +5 ‡6 ---6 ‡_7 0.0 6.5-6.9ft: POORLY GRADED GRAVEL (GP). Gray, damp, dense, 90% gravel (fine, angular) 10% sand (medium to 62 +8 -8 FB-13-8-10 6.9-10.0ft: POORLY GRADED SAND WITH SILT (SP-SM). Dark brown, damp, 90% sand (fine to medium, predominantly ‡_9 fine, poorly graded), 10% fines (silt). -9 ‡ 10 - 10 0.0 10.0-12.9ft: SILTY SAND (SM). (Standing water), gray, wet, medium dense, 80% sand (fine to medium, poorly graded, ‡₁₁ ‡ 11 predominantly fine), 20% fines (silt), potential oxidation, red-brown bands @ top. EB-13-11-13 + 12 - 12 86 ‡ 13 - 13 EB-13-13-15 12.9-20.0ft: POORLY GRADED SAND WITH SILT (SP-SM). Gray, wet (standing water), medium dense, dark, gray, wet, 90% sand (fine to medium, predominantly fine, poorly graded, 10% fines (silt) interbedded with SILT (ML), light gray, + 14 - 14 wet (standing water), firm, 90% fines (silt), 10% sand (fine to medium) - predominantly (SP-SM). ± 15 - 15 I 16 ‡ 16 EB-13-16-18 ‡ 17 - 17 96 18 0.0 + 19 - 19 End of core @20.0ft bgs. + 20 - 20 + 21 - 21 + 22 - 22 <u>+</u> 23 - 23 ± 24 - 24



Soil Boring Log Sheet 1 of 1 **EB-19** 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1272741.859 Easting: 199463.672 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH/CF Total Depth (ft): Collection Date: 12/03/2014 Contractor: Holt Services, Inc. Method: Geoprobe, 2.25" diameter Sample Recovery (%) Sample Name **Soil Description** Graphic Log (mdd) Samples and descriptions are in recovered depths. Depth (ft) Depth (ft) Classification scheme: USCS PID (-0 1 0-0.4ft: ASPHALT. Gray, gravel, fine to coarse. 0.4-1.35ft: POORLY GRADED SAND WITH GRAVEL (SP). Light gray to white to red to dark gray, dry, loose, 70% sand (fine to medium), predominantly medium, poorly graded, anthropogenic, brick and wood fragments, concrete, 30% 54 3 _ _3 1.35-10.9ft: POORLY GRADED SAND (SP). Dark gray, moist, dense, 95% sand (fine to medium, poorly graded), 5% fines (silt). 15 @5.4-5.9ft: White to light gray, dry, loose. 70% sand (fine to medium, predominantly medium), 30% gravel (fine to 0.0 <u>∓</u>6 ‡-6 EB-19-6-8 7 72 -∓8 +8 FB-19-8-10 <u>‡</u>9 + 10 + 10 ‡ 11 0.0 10.9-14.0ft: SILT (ML). Light gray, moist, stiff, 95% fines (clay/silt, predominantly silt, holds shape, medium plasticity, ± 12 organics, wood fibers), 5% sand (fine to medium, predominantly fine, poorly graded). - 12 100 + 13 - 13 ‡ 14 - 14 14.0-15.0ft: SILT Y SAND (SM). Dark gray, wet, dense, 80% sand (fine to medium, predominantly fine), 20% fines - 15 - 15 0.0 15.0-20.0ft: POORLY GRADED SAND (SP). Dark gray, wet, poorly graded. 95% Sand (fine to medium, poorly graded), ‡₁₆ ± 16 5% fines (silt). Grains are red, white, and gray. ‡ 17 - 17 @17.4ft: Sand is moist. 100 - 18 + 19 - 19 End of core @20.0ft bgs. + 20 - 20 +21 - 21 + 22 - 22 <u>+</u> 23 - 23 ± 24 - 24



Soil Boring Log Sheet 1 of 1 **EB-20** 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1272668.366 Easting: 199326.275 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/05/2014 Contractor: Holt Services, Inc. Method: Geoprobe, 2.25" diameter Sample Recovery (%) Sample Name **Soil Description** Graphic Log (mdd) Samples and descriptions are in recovered depths. Depth (ft) Depth (ft) Classification scheme: USCS PID (-0 1 0-1.3ft: ASPHALT. Gray, gravel, fine, angular, some white sand/powder. 1.3-1.7ft: ASPHALT mixed with POORLY GRADED SAND (SP). EB-20-2-4 82 1.7-10.8ft: POORLY GRADED SAND (SP). Brown, damp, dense, 90% sand (fine to medium, poorly graded), 5% gravel ‡3 _ _3 0.0 (fine, subrounded), 5% fines (silt). @3.8-4.0ft: Lens, ORGANIC SOIL WITH SAND (OL/OH), black, damp, 85% organic soil, 15% sand (fine to medium, <u>∓</u>5 ---5 @4.0ft: Sand is dark gray, 95% sand (fine to medium), 5% fines (silt) grains red, white, and gray, predominantly EB-20-5-7 ±6 @6.9-7.9ft: Sand is predominantly fine. ‡-6 0.0 ‡, @7.4-8.7ft: Thinly laminated SILT (ML) beds, 1-2 mm, red-brown to gray every 0.8 in within POORLY GRADED SAND ‡7 75 ±8 +8 FB-20-8-10 <u>‡</u>9 @9.6ft: Sand is dark gray. + 10 ‡ 10 ‡₁₁ 10.8-14.2ft: SILT (ML). Gray, stiff, moist, 90% fines (silt, holds shape), 10% sand (fine to medium, poorly graded), organics (plant fibers 1 to 3 cm). ± 12 - 12 96 ‡ 13 - 13 ‡₁₄ - 14 14.2-15ft: SILTY SAND (SM). Gray to light gray, dense, wet, 70% sand (fine to medium, poorly graded), 30% fines 15 - 15 (silt). Sand is gray/light gray/ thinly laminated silt. EB-20-15-17 ‡ 16 - 16 15.0-20.0ft: POORLY GRADED SAND (SP). Dark gray, wet, medium dense, 90% sand (fine to medium, predominantly medium, poorly graded), 5% fines (silt), 5% gravel (fine, subrounded). Grains red, white, and gray (same as @ 4.0ft). ‡ 17 - 17 0.0 90 - 18 EB-20-18-20 + 19 - 19 End of core @20.0ft bgs. ‡ 20 - 20 ‡21 - 21 - 22 + 22 + 23 - 23 ± 24 - 24



Soil Boring Log Sheet 1 of 1 **EB-22** 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1272811.189 Easting: 199378.526 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH/CF Total Depth (ft): Collection Date: 12/03/2014 Contractor: Method: Geoprobe, 2.25" diameter Holt Services, Inc. 8 Sample Recovery Sample Name **Soil Description** Graphic Log Samples and descriptions are in recovered depths. PID (ppm) Depth (ft) Depth (ft) Classification scheme: USCS _0 0-0.9ft: ASPHALT. Gray, gravel, fine, coarse. 0.9-7.3 ft: POORLY GRADED SAND WITH GRAVEL (SP). Light gray to red pink, gray, red and pink. Dry, loose. 30% 0.0 gravel (fine to coarse) angular, 70% sand (fine to medium, predominantly medium, poorly graded anthropogenic EB-22-2-4 brick fragments, concrete) FILL. 63 ∓_3 +3 ‡-4 ‡ ‡5 ‡6 ∓6 EB-22-6-8 78 0.0 7.3-11.0ft: POORLY GRADED SAND (SP). Dark gray, moist, dense, 95% sand (fine to medium, poorly graded), 5% fines +8 EB-22-8-10 ± 10 ‡ 10 + 11 EB-22-11-13 11.0-14.2ft: SILT (ML). Light gray, moist, stiff, 95% fines, clay/silt, predominantly silt, holds shape, medium plasticity. +12 Organics, plant fibers, dark brown, wood fragments, 5% sand (fine to medium, poorly graded). - 12 + 13 - 13 † 14 - 14 14.2-15.0ft: SILTY SAND (ML). Dark gray, moist, dense, 85% sand (fine to medium, predominantly fine, poorly 15 - 15 EB-22-15-17 graded), 15% fines (silt). ‡ 16 - 16 15.0-20.0ft: POORLY GRADED SAND (SP). Dark gray, moist, dense, 95% sand (fine to medium, predominantly fine, poorly graded), 5% fines (silt). ‡ 17 - 17 0.0 96 @16.8-17.5ft: Sand grades to medium. - 18 @17.5-18.1ft: Same as above @14.2 ft. + 19 - 19 End of core @20.0ft bgs. 1 20 ----- 20 ± 21 - 21 - 22 - 22 ± + 23 - 23 ‡ 24 - 24



Soil Boring Log Sheet 1 of 1 **EB-23** 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1272955.912 Easting: 199358.836 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/03/2014 Contractor: Holt Services, Inc. Method: Geoprobe, 2.25" diameter Sample Recovery (%) Sample Name **Soil Description** Graphic Log Samples and descriptions are in recovered depths. (mdd) Depth (ft) Depth (ft) Classification scheme: USCS PID (1 0.1-0.4ft: ASPHALT. Gray, gravel, fine, angular. 0.4-1.1ft: Transition asphalt to POORLY GRADED SAND (SP). 0.0 1.1-10.8ft: POORLY GRADED SAND (SP). Light brown, dry, medium dense, 95% SAND (fine to medium, predominantly 80 ‡ +3 medium, poorly graded), 5% gravel (fine, angular). _ _3 EB-23-3-5 @4.25-4.85ft: Black, damp, medium dense, 85% SAND (fine to medium, poorly graded), 15% gravel (fine, subrounded), oxidation @4.25 ft. +5 I_5 EB-23-5-7 @5.0ft: Sand is gray, loose to medium dense. ____6 ‡-6 0.0 ±_7 64 +8 FB-23-8-10 0.0 <u>‡</u>9 + 10 ‡ 10 † 11 10.8-13.2ft: SILT WITH SAND (ML). Gray, stiff, moist, 80% fines (clay/silt, holds shape, predominantly silt), 20% sand (fine to medium, predominantly fine), organics (plant fibers and wood fragments). 12 - 12 96 ‡ 13 - 13 13.2-17.2ft: SILTY SAND (SM). Dark gray, wet, dense, 85% SAND (fine to medium, predominantly fine), 15% fines ± 14 - 14 (silt). 15 - 15 @15.0ft: Same as above @13.2 ft. @15.5-16.0ft: Lens, same as above @1.1 ft. I 16 + 16 0.0 ‡ 17 - 17 17.2-20.0ft: POORLY GRADED SAND (SP). Dark gray, wet, dense, 95% SAND (fine to medium, poorly graded), <5% - 18 fines (silt), grains red, white, and gray. + 19 - 19 End of core @20.0ft bgs. + 20 - 20 +21 - 21 + 22 - 22 ± 23 - 23 ± 24 - 24



Soil Boring Log Sheet 1 of 2 **EB-25** 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1273088.975 Easting: 199291.545 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/02/2014 Contractor: Method: Geoprobe, 2.25" diameter Holt Services, Inc. 8 Sample Recovery Sample Name Soil Description Graphic Log Samples and descriptions are in recovered depths. PID (ppm) Depth (ft) Depth (ft) Classification scheme: USCS _0 0-0.7ft: ASPHALT. Gray, coarse, fine, angular. 0.7-1.0ft: POORLY GRADED SAND WITH GRAVEL (SP). Light brown to gray, dry, dense, 80% SAND (fine to medium, poorly graded), 20% gravel (fine, angular). EB-25-2-4 0.0 76 3 1.0-9.0ft: POORLY GRADED SAND (SP). Light brown, dry, dense, 90% SAND (fine to medium, poorly graded), 10% ‡3 gravel (fine, subrounded). @3.0ft: Sand is 95% SAND (fine to medium), 5% gravel (fine, subrounded). FR-25-5 5-7 5 @4.8-5.0ft: Lens, black, damp, dense, 95% SAND (fine to medium, poorly graded), 5% gravel (subrounded to subangular) +6 ‡−6 0.0 @8.9-9.0ft: Zone of red-brown potential oxidation. 78 -8 -8 9.0-17.4ft: POORLY GRADED SAND WITH SILT (SP-SM). Dark brown, moist, dense, 90% SAND (fine to medium), + 10 + 10 predominantly fine, poorly graded, 10% fines (silt). EB-25-10.5-12.5 @10.0-10.7ft: Same as above at 1.0ft. ‡ 11 - 11 0.0 @11.4ft: Grades to wet. 12 - 12 96 @12.7-13.7ft: Organics (wood fragments), anthropogenic debris (plastic-like fibers, 4 mm). + 13 - 13 EB-25-13-15 @14.2ft: Grades to moist. + 14 + 14 - 15 EB-25-15-17 ‡ 16 16 ‡ 17 17 17.4-40.0ft: POORLY GRADED SAND (SP). Dark gray, moist, dense, 100% SAND (fine to medium, predominantly + 18 - 18 0.0 medium, poorly graded). ‡ 19 - 19 - 20 ‡ 20 ‡ 21 21 I 22 76 ± 23 - 23 @25.0-30.0ft: Core liner crumpled on itself, retrieval poorly graded sand, recovery not available. + 24 - 24



@33.4ft: Organic (wood debris, fresh 2x1 in).

± 25

Soil Boring Log Sheet 2 of 2 **EB-25** 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1273088.975 Easting: 199291.545 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/02/2014 Contractor: Method: Geoprobe, 2.25" diameter Holt Services, Inc. 8 Sample Recovery Sample Name **Soil Description** Graphic Log Samples and descriptions are in recovered depths. Depth (ft) PID (ppm) Depth (ft) Classification scheme: USCS + 25 25 17.4-40.0ft: POORLY GRADED SAND (SP). Dark gray, moist, dense, 100% SAND (fine to medium, predominantly ‡ 26 medium, poorly graded). - 26 ‡ 27 NA + 28 28 ‡ 29 - 29 ____30 - 30 + 31 - 31 @35.0-37.0ft: 5% fines (silt). ‡ 32 - 32 82 ∓ 33 33 @35.9ft: Gravel, coarse, subangular, 0.25x1 in. @36.6ft: Grades to predominantly fine sand. + 35 - 35 @38.5ft: Anthropogenic debris (razor-blade-like, 1/8 in). + 36 - 36 + 37 - 37 92 ‡ 38 - 38 39 ‡ 39 40 40-41.8ft: SILTY SAND (SM). Dark, gray, wet, dense, 80% sand (fine to medium, predominantly fine, poorly graded, ‡ +41 41 20% fines (silt). + 42 42 41.8-45.0ft: POORLY GRADED SAND (SP). Dark, gray, wet, dense, 95% SAND (fine to medium, predominantly medium, poorly graded), 5% fines (silt) with thinly laminated gray SILT (ML) (1 to 2 mm) beds. + 43 - 43 ₹ 44 44 45 - 45 45.0-46.9ft: SILTY SAND (SM). Same as above at 40.0ft. ‡ 46 46 I 47 46.9-50.0ft: POORLY GRADED SAND (SP). Dark, gray, wet, dense, 95% SAND (fine to medium, predominantly fine, 98 poorly graded), 5% fines (silt). Grains white, red, and gray. ± 48 - 48 ± ± 49 End of core @50.0ft bgs. - 49

± 50



Soil Boring Log Sheet 1 of 1 **EB-27** 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: **1273060.792** Easting: 199150.959 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/04/2014 Contractor: Method: Geoprobe, 2.25" diameter Holt Services, Inc. 8 Sample Recovery Sample Name **Soil Description** Graphic Log Samples and descriptions are in recovered depths. PID (ppm) Depth (ft) Depth (ft) Classification scheme: USCS 0-0.3ft: ASPHALT. Gray, fine, angular. 0.3-0.8ft: POORLY GRADED SAND (SP). Brown to gray, asphalt mixed with POORLY GRADED SAND (SP). 0.0 0.8-8.0ft: POORLY GRADED SAND (SP). Brown, damp, dense, 90% sand (fine to medium, poorly graded), 10% gravel 90 EB-27-2.5-4.5 ∓3 +3 (fine, angular). @1.2ft: Grades to black, organics (wood fragments, 0.25x1.5 in), sand (predominantly fine). ‡4 @1.9-2.0ft: Anthropogenic debris- white, concrete/fire brick-like, coarse sand size. ±_5 FB-27-5-7 @2.7ft: Grades to brown with gray mottling. ‡6 ∓6 @6.5ft: Grades to black, sand predominantly fine, anthropogenic debris (red, brick-like fragments, 1/8 in). 0.0 90 @7.0ft: Same as above at 8.0ft, but 95% sand (fine to medium, poorly graded). Grains are red, white, and gray, 5% and (fine to medium, poorly graded). Grains are red, white, and gray, 5% are red, white, 5% are red, 5% are r+8 -‡-8 fines (silt). EB-27-8-10 8.0-20.0ft: POORLY GRADED SAND (SP). Brown, damp, dense, 90% sand (fine to medium, predominantly fine, poorly graded), 10% fines (silt). ± 10 ± 10 0.0 + 12 - 12 + 13 - 13 ‡ 14 - 14 @15.0ft: Same as above @8.0ft, grades to wet. ± 15 - 15 ± 16 - 16 ‡ 17 - 17 93 - 18 + 19 - 19 End of core @20.0ft bgs. 1 20 ____ 20 <u>‡</u>21 - 21 - 22 - 22 23 23 ‡ 24 - 24



Soil Boring Log Sheet 1 of 1 EB-30-D 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Northing: 1273203.957 Project #: 131044-01 Easting: 199059.532 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/08/2014 Contractor: Method: Geoprobe, 2.25" diameter Holt Services, Inc. 8 Sample Recovery Sample Name **Soil Description** Log Samples and descriptions are in recovered depths. PID (ppm) Depth (ft) Depth (ft) Graphic Classification scheme: USCS _0 0-1.25ft: ASPHALT. Gray, dry, gravel, fine, angular. 1.25-4.6ft: POORLY GRADED SAND (SP). 90% Sand (fine to medium, predominantly fine, poorly graded), 5% fines EB-30-2-4 (silt), 5% gravel (fine to coarse, subrounded), grains red and brown. 91 -3 +3 ‡4 ‡-4 ‡ + 5 4.6-6.1ft: SILTY SAND (SM). Dark brown with trace red-brown, coloring around root-like fibers, dry, medium, 45% organic soil/silt, 55% sand (fine to medium), organics (root-like fibers). ∓6 Т-6 FB-30-6-8 6.1-11.4ft: POORLY GRADED SAND WITH SILT (SP-SM). Dark gray, damp, dense, 80% sand (fine to medium, predominantly fine, poorly graded), 10% fines (silt), 10% gravel (subrounded to subangular). 74 +8 @7.2-7.5ft: Anthropogenic material (concrete-like debris, gravel, fine, angular). +8 EB-30-8-10 @8.2ft: Grades to dark brown (with red-brown mottling at 9.2ft). ± 10 ‡ 10 + 11 ‡ 11 11.4-14.3ft: SILTY SAND WITH GRAVEL (SM). Brown to black to gray, wet, dense, 15% fines (silt), 30% gravel (fine to +12 - 12 FB-30-12-14 coarse, angular), 55% sand (medium to coarse, poorly graded), anthropogenics (brick-like, 1x0.5 in. and concrete like gravel, angular, fine). - 13 + 13 - 14 - 14 14.3-20.0ft: POORLY GRADED SAND WITH SILT (SP-SM). Dark gray, wet, dense, 90% sand (fine to medium, poorly ± 15 - 15 ± 16 - 16 @15.7-16.3ft: Gravel contents 35% (fine, subrounded), POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM). EB-30-16.5-18.5 ‡ 17 - 17 82 18 + 19 - 19 _ 20 ‡ 20 End of core @20.0ft bgs. - 21 ∓-21 --- 22 - 22 1 23 23 - 24 - 24



Soil Boring Log Sheet 1 of 1 EB-31-B 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1273274.776 Easting: 199187.548 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/14/2014 Contractor: Holt Services, Inc. Method: Geoprobe, 2.25" diameter Sample Recovery (%) Sample Name **Soil Description** Graphic Log (mdd) Samples and descriptions are in recovered depths. Depth (ft) Depth (ft) Classification scheme: USCS 吕 -0 1 0-0.4ft: ASPHALT. Gray, gravel, fine, angular. 0.4-1.35ft: POORLY GRADED SAND WITH GRAVEL (SP). Light brown to gray, dry, medium dense, 75% sand (fine to medium, poorly graded), 25% gravel (fine, angular). 0.0 EB-31-2-4 66 1.35-8.3ft: POORLY GRADED SAND (SP). Brown, damp, dense, 90% sand (fine to medium, poorly graded), 5% fines _ _3 _ _3 (silt), 5% gravel (fine, angular). ---5 @5.3-5.5ft: Anthropogenic debris (red, brick-like gravel, angular, and concrete like debris, white). EB-31-5-7 - 6 ---6 @7.1ft: Grades to dark gray. 0.0 ‡, ‡7 72 @7.8-8.0ft: Organics (wood fragments) (SP-SM) +8 -8 FB-31-8-10 8.3-10.5ft: POORLY GRADED SAND WITH GRAVEL AND SILT (SP-SM). Dark gray, damp, dense, 70% sand (fine to <u>‡</u>9 -9 medium, poorly graded), 20% gravel (fine to coarse, subangular), 10% fines (silt). ‡₁₀ - 10 @10.0ft: Grades to wet. 0.0 † 11 10.5-15.9ft: SILTY GRAVEL WITH SAND (SP). Dark gray to gray to black, wet, dense, 50% gravel (fine to coarse, angular), 35% sand (medium to coarse, poorly graded), 15% fines (silt). + 12 - 12 @12.4ft: Grades to black, petroleum like odor, organics, substantial wood fragments, 3x6.. 78 EB-31-12.5-14.5 + 13 - 13 ± 14 - 14 0.0 - 15 - 15 +16 - 16 15.9-20.0ft: POORLY GRADED SAND (SP). Dark gray, moist, dense, 90% sand (fine to medium, predominantly fine, poorly graded), 10% fines (silt). Grains are gray. ‡ 17 - 17 76 @18.4ft: Grades to 95% sand (fine to medium, predominantly medium, poorly graded), 5% fines. Grains red, white, 18 EB-31-18-20 +19 - 19 End of Core @20.0ft bgs. ‡ 20 - 20 ‡-21 - 21 - 22 + 22 + 23 - 23 ± 24 - 24



206-287-9130

Notes:

Soil Boring Log Sheet 1 of 1 EB-31-C 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1273274.776 Easting: 199187.548 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/04/2014 Contractor: Holt Services, Inc. Method: Geoprobe, 2.25" diameter Sample Recovery (%) Sample Name **Soil Description** Graphic Log (mdd) Samples and descriptions are in recovered depths. Depth (ft) Depth (ft) Classification scheme: USCS 吕 1 -0 0-0.7ft: ASPHALT. Dark gray, gravel, fine, angular. 0.7-1.4ft: POORLY GRADED SAND WITH GRAVEL (SP). Light brown to gray, dry, medium dense, 80% sand (fine to medium, poorly graded), 20% gravel (fine, angular). 0.0 EB-31-2-4 69 3 1.4-8.6ft: POORLY GRADED SAND (SP). Light brown, dry to damp, dense, 95% sand (fine to medium, poorly graded), _ _3 5% fines (silt). +5 I_5 EB-31-5-7 ____6 ‡-6 0.0 -7 @7.2ft: Grades to dark gray, and pocket of anthropogenic debris (white, concrete-like rubble). ‡7 76 +8 ‡8 FB-31-8-10 ‡₉ <u>‡</u>9 8.6-16.5ft: SILTY SAND WITH GRAVEL (SM). Dark gray to brown, wet, dense, 45% sand (fine to medium, poorly graded), 35% gravel (fine to coarse, angular), 20% fines (silt). + 10 ‡ 10 0.0 † 11 + 12 - 12 @12.9-15.0ft: Organic material (wood piece), sulfur-like odor. 69 EB-31-12.5-14.5 + 13 - 13 ‡ 14 - 14 + 15 - 15 @16.1ft: Organics (wood fragments, thin), sulfur-like odor. + 16 ‡ 16 16.5-20.0ft: POORLY GRADED SAND (SP). Dark, gray, wet, dense, 90% sand (fine to medium, predominantly fine), - 17 ‡ 17 62 10% fines (silt). Grains are gray. - 18 EB-31-18-20 @19.0ft: Same as above @ 16.5 but 95% sand (predominantly medium). Grains red, white, and gray. + 19 - 19 End of core @20.0ft below ground surface. ‡ 20 - 20 ‡-21 - 21 - 22 - 1 22 <u>+</u> 23 - 23 ± 24 - 24

206-287-9130

Soil Boring Log Sheet 1 of 1 **EB-34** 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Northing: 1272721.267 Project #: 131044-01 Easting: 199180.888 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/09/2014 Contractor: Method: Geoprobe, 2.25" diameter Holt Services, Inc. 8 Sample Recovery Sample Name Soil Description Graphic Log Samples and descriptions are in recovered depths. PID (ppm) Depth (ft) Depth (ft) Classification scheme: USCS _0 0-1.3ft: ASPHALT. Gray, dry, gravel, fine to coarse, angular, 30% sand. 0.0 1.3-8.7ft: POORLY GRADED SAND (SP). Brown, damp, loose, 90% sand (fine to medium, predominantly fine), 5% fines (silt), 5% gravel (fine, subangular), grains white and red. 82 ∓_3 +3 @3.5-4.6ft: Anthropogenic material, black (red-brick-like, gravel, fine to coarse) and organics (wood fragments) (coal debris, metallic, sand size coarse). @4.6ft: Grades to dark gray, predominantly medium sand. 4 EB-34-3.5-5 ‡4 ±_5 EB-34-5-7 0.0 ‡6 ∏6 76 +8 |8 EB-34-8-10 0.0 8.7-10.2ft: SILT (ML). Light gray to gray, dry to damp, stiff, 90% fines (clays/silt, predominantly silt), 10% sand (fine to medium), strong petroleum-like odor, rainbow sheen. +10 ± 10 @9.4ft: Organics (tan, porous, light-weight). + 11 EB-34-11-13 10.2-20.0ft: POORLY GRADED SAND (SP). Gray, moist, medium dense, 90% sand (fine to medium, predominantly 0.0 + 12 - 12 fine), 10% fines (silt), strong petroleum like odor, rainbow sheen. 97 @11.6-12.1ft: Same as above @ 8.7ft. - 13 + 13 @12.3-12.6ft: Standing dark brown-red sheen. ‡ 14 - 14 ± 15 @12.6ft: Grades to wet, standing water. - 15 EB-34-15-17 + 16 - 16 @17.6-18.1ft: Lens, same as above @ 8.7 ft. ‡ 17 - 17 96 @18.1ft: Sand is moist, no odor/sheen, grains are red, white, and blue gray, 95% sand (fine to medium, predominantly medium), 5% fines (silt). - 18 EB-34-18.5-20 + 19 - 19 End of core @20.0ft below ground surface. - 20 ----- 20 <u>‡</u>21 - 21 22 - 22 ‡₂₃ 23 - 24 - 24



Soil Boring Log Sheet 1 of 1 **EB-35** 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1272887.837 Easting: 199174.262 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/09/2014 Contractor: Holt Services, Inc. Method: Geoprobe, 2.25" diameter Sample Recovery (%) Sample Name **Soil Description** Graphic Log (mdd) Samples and descriptions are in recovered depths. Depth (ft) Depth (ft) Classification scheme: USCS PID (0-0.7ft: ASPHALT. Dark gray, dry, loose, fine gravel, angular and coarse sand. 0.7-1.4ft: POORLY GRADED SAND (SP). Transition asphalt to POORLY GRADED SAND (SP) described @1.4 ft. 0.0 EB-35-2-4 1.4-8.6ft: POORLY GRADED SAND (SP). Light brown, damp, medium dense, 90% sand (fine to medium), 5% fines (silt), 77 ∓з +3 5% gravel (subrounded to subangular). @4.4-6.2ft: Fill/rubble/anthropogenic debris, dark gray to blue-gray, gravel (fine to coarse gravel size, concrete-like ---5 EB-35-5-7 @6.2ft: Sand grades to dark gray, sand grains are red, white and gray. __6 ‡-6 0.0 ‡_7 ‡7 78 +8 ±в EB-35-8.5-10 8.6-14.0ft: SILT (ML) beds (1-3 in thick, light gray, dry, stiff, 90% fines (silt), 10% sand (fine to medium, predominantly fine, poorly graded), holds shape, interbedded with POORLY GRADED SAND (SP), dark gray, moist, dense, 95% sand + 10 + 10 (fine to medium, predominantly fine, poorly graded). EB-35-10-12 0.0 ‡₁₁ 12 - 12 @13.0ft: Sand grades to predominantly medium. 97 + 13 - 13 ‡-₁₄ - 14 14.0-20.0ft: POORLY GRADED SAND (SP). Dark gray, moist, dense, 95% sand (fine to medium, predominantly - 15 medium), 5% gravel (fine), grains red, white, and blue gray. - 15 EB-35-15-17 ± 16 - 16 ‡ 17 - 17 97 0.0 18 + 19 - 19 End of core @20.0ft below ground surface. ‡ 20 - 20 +21 - 21 + 22 - 22 ± 23 - 23 ± 24 - 24



Soil Boring Log Sheet 1 of 2 EB-36-H 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1272766.811 Easting: 199133.546 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/03/2014 50 Contractor: Method: Geoprobe, 2.25" diameter Holt Services, Inc. 8 Sample Recovery Sample Name Soil Description Graphic Log Samples and descriptions are in recovered depths. PID (ppm) Depth (ft) Depth (ft) Classification scheme: USCS _0 0-0.6ft: ASPHALT. Gray, gravel, fine, coarse. 0.6-9.0ft: POORLY GRADED SAND (SP). Light brown to brown, 90% SAND (fine to medium, poorly graded), 5% fines 0.0 (silt), 5% gravel (fine, angular), dry, medium dense. 68 +3 @2.4-2.7ft: Gravel content is 10%. @4.3-5.0ft: Layer, transition, dry, medium dense, black to brown, 85% SAND (fine to medium), 15% gravel (fine, ‡4 angular). ±_5 @5.0ft: Sand is black. <u>+</u>6 ∓6 0.0 62 +8 ↓8 9.0-13.3ft: SILTY SAND (SM). Gray, damp, dense, 80% SAND (fine to medium, poorly graded, predominantly fine), +10 ‡₁₀ 20% fines (silt, holds shape). @9.4-10.0ft: Organics (plant fibers). + 11 EB-36-11-13 @10.0-10.7ft: Same as above at 0.6ft. + 12 - 12 ‡ 13 - 13 13.3-20.5ft: POORLY GRADED SAND (SP). Interbedded POORLY GRADED SAND (SP), 95% SAND (fine to medium, + 14 - 14 predominantly fine, poorly graded), 5% fines (silt), 1.5 to 2 in thick, gray to dark gray, dense, to SILTY SAND (SM), 0.4 to 0.6 in thick, dark gray, wet, dense, 60% SAND (fine to medium, predominantly fine, poorly graded), 40% fines (silt), ± 15 - 15 does not hold shape. EB-36-15.5-17.5 ± 16 - 16 @18.1ft: Grades to predominantly medium sand grains. ‡ 17 - 17 96 - 18 + 19 - 19 + 20 ---- 20 @20.5-45.0ft: 100% SAND (fine to medium, predominantly medium, poorly graded), red, white, and gray grains. ‡ 21 - 21 0.0 - 22 - 22 96 ± ± 23 23 - 24 - 24



Notes:

Soil Boring Log Sheet 2 of 2 EB-36-H Location: 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Project #: 131044-01 Northing: 1272766.811 Easting: 199133.546 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/03/2014 50 Contractor: Holt Services, Inc. Method: Geoprobe, 2.25" diameter 8 Sample Recovery Sample Name **Soil Description** Graphic Log Samples and descriptions are in recovered depths. PID (ppm) Depth (ft) Depth (ft) Classification scheme: USCS __ 25 25 @27.5-29.0ft: Same as above @20.5 in, but 5% gravel (fine, angular). - 26 - 26 ± 27 27 90 0.0 + 28 - 28 ‡ 29 + 29 30 - 30 30.0-45.0ft: POORLY GRADED SAND (SP). Same as above at 25.0ft, POORLY GRADED SAND (SP) except grains predominantly fine and 5% fines (silt). + 31 - 31 + 32 32 90 + 33 - 33 + 34 - 34 ₹ 35 - 35 @36.0ft: Same as above @ 30.0ft, grades to predominantly medium. + 36 @36.6ft: Organics (wood fibers). +37 - 37 0.0 ‡ 38 - 38 + 39 - 39 ₹40 40 @40.0-43.0ft: Same as above @ 30.0ft, but 10% gravel (subrounded, fine), organics (wood fragments 1x2 cm). ± 41 41 + 42 42 70 + 43 43 ₹44 - 44 - 45 45.0-50.0ft: POORLY GRADED SAND WITH SILT (SM). Dark gray, wet, dense, 90% SAND (fine to medium, predominantly fine, poorly graded, 10% fines (silt). + 46 46 0.0 - 47 @48.5ft: Pocket, light gray, SILT (ML). - 47 66 48 - 48 End of core @50.0ft below ground surface. - 49



Soil Boring Log Sheet 1 of 2 **EB-42** 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1272777.755 Easting: 198999.75 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/01/2014 Contractor: Method: Geoprobe, 2.25" diameter Holt Services, Inc. 8 Sample Recovery Sample Name Soil Description Log Samples and descriptions are in recovered depths. PID (ppm) Depth (ft) Depth (ft) Graphic Classification scheme: USCS _0 0-0.5ft: ASPHALT. Gray, dry, gravel, fine, coarse. 0.0 0.5-2.9ft: POORLY GRADED SAND (SP). Light brown, dry, medium dense, 90% SAND (fine to medium, poorly graded), 10% gravel (fine, angular). 61 ∓_3 --3 EB-42-3-5 2.9-5.0ft: POORLY GRADED SAND (SP). Black to dark brown, 95% SAND (fine to medium, poorly graded), 5% gravel (fine to angular), potential coal debris. ‡4 ‡4 @3.6ft: Anthropogenic debris (paint chip flakes, 1 cm). EB-42-5-7 5.0-6.5ft: POORLY GRADED SAND (SP). Same as above @0.5ft. <u>†</u>-6 ∓6 6.5-11.5ft: POORLY GRADED SAND WITH SILT (SP-SM). Brown with red thin laminations (1 mm), damp, dense, 90% SAND (fine to medium, predominantly fine, poorly graded), 10% fines (silt), oxidation. 89 +8 ↓8 EB-42-8-10 ± 10 ‡ 10 0.0 + 11 EB-42-11-13 + 12 11.5-13.5ft: SILTY SAND (SM). Gray with red thin laminations/pockets, wet, dense, 80% SAND (fine to medium, - 12 predominantly fine), organics (root-like thin fibers, <1/8 mm), 20% fines (silt). - 13 ∓ 13 13.5-25.0ft: POORLY GRADED SAND (SP). 100% SAND (fine to medium, predominantly medium, poorly graded), dark ‡ 14 - 14 gray, wet, dense). ‡ 15 - 15 EB-42-15-17 15.0-25.0ft: POORLY GRADED SAND (SP). Same as above @13.5ft. ± 16 - 16 ‡ 17 - 17 0.0 95 - 18 +19 - 19 + 20 ---- 20 ‡ 21 - 21 0.0 - 22 - 22 63 ‡₂₃ 23 ‡ 24 - 24



206-287-9130

Notes:

- 1. VOCs taken from EB-44-2.
- 2. EB-44-1 and 2 were homogenized for sample collection to meet volume requirements.

Soil Boring Log Sheet 2 of 2 **EB-42** 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: **1272777.755** Easting: 198999.75 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/01/2014 Contractor: Method: Geoprobe, 2.25" diameter Holt Services, Inc. 8 Sample Recovery Sample Name **Soil Description** Log Depth (ft) Samples and descriptions are in recovered depths. PID (ppm) Depth (ft) Graphic Classification scheme: USCS + 25 25.0-27.2ft: SILTY SAND (SM). Dark gray, wet, dense, 85% SAND (fine to medium, poorly graded), 15% fines (silt). - 26 - 26 ‡ 27 27 60 @29.0ft: Grades to medium to fine sand, 100% SAND. + 28 - 28 27.2-35.0ft: POORLY GRADED SAND (SP). Dark gray, wet, dense, 95% SAND (medium to coarse, poorly graded), 5% 0.0 ‡ 29 ‡ 29 ± 30 - 30 + 31 - 31 ‡32 32 0.0 70 + 33 - 33 - 34 ∓35 - 35 35.0-35.7ft: POORLY GRADED SAND (SP). Same as above @19.0ft, but 10% gravel, organic matter (plant-like stems), ‡ 36 36 fine, angular. 35.7-37.0ft: POORLY GRADED SAND WITH SILT (SP-SM). 90% SAND (fine to medium, poorly graded), 10% fines (silt), +37 - 37 dark gray, wet, dense. - 38 ‡ 38 37.0-50.0ft: POORLY GRADED SAND (SP). 95% SAND (fine to medium, predominantly medium), 5% gravel (fine, ‡39 - 39 - 40 40 ± ± 41 41 + 42 42 82 + 43 43 Ŧ_44 44 @46.8-47.9ft: Dark gray, wet, dense, 85% SAND (fine to medium, predominantly fine), 15% fines (silt). 45 + 45 46 ₹ 46 - 47 - 47 92 48 - 48 End of core @50.0ft below ground surface. - 49 - 49



Notes:

- 1. VOCs taken from EB-44-2.
- 2. EB-44-1 and 2 were homogenized for sample collection to meet volume requirements.

Soil Boring Log Sheet 1 of 1 EB-44-1 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1273041.569 Easting: 198992.124 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/09/2014 Contractor: Holt Services, Inc. Method: Geoprobe, 2.25" diameter Sample Recovery (%) Sample Name **Soil Description** Graphic Log Samples and descriptions are in recovered depths. Depth (ft) PID (ppm) Depth (ft) Classification scheme: USCS -0 1 0-1.0ft: ASPHALT. Fine, gravel, angular, medium to coarse sand. +1 1.0-12.3ft: POORLY GRADED SAND (SP). Brown, damp, medium dense, 90% sand (fine to medium, predominantly medium, poorly graded), 5% gravel (fine, subrounded), 5% fines (silt). EB-44-2-4 72 -3 0.0 +3 +5 EB-44-5-7 @6.0-7.0ft: Anthropogenic material (concrete-like, coarse, gravel size, angular). ____6 ‡-6 @6.0ft: Same as above, but predominantly fine. ‡_7 0.0 66 +8 +8 FB-44-8-10 <u>‡</u>9 + 10 + 10 0.0 + 12 - 12 86 12.3-14.5ft: SILTY SAND (ML). Gray with orange, brown mottling, wet, dense, 85% sand (fine to medium, poorly + 13 - 13 graded), 15% fines (silt). ± 14 + 14 + 15 14.5-20.0ft: POORLY GRADED SAND (SP). Dark gray with red, white, and orange-brown grains, wet, dense, 95% sand - 15 (fine to medium, poorly graded), 5% fines. I 16 ‡ 16 ‡ 17 - 17 0.0 96 - 18 + 19 - 19 End of core @20.0ft below ground surface. + 20 - 20 +21 - 21 + 22 - 22 ± 23 - 23 ± 24 - 24



206-287-9130

Soil Boring Log Sheet 1 of 1 EB-44-2 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1273041.569 Easting: 198992.124 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/09/2014 Contractor: Holt Services, Inc. Method: Geoprobe, 2.25" diameter Sample Recovery (%) Sample Name **Soil Description** Graphic Log Samples and descriptions are in recovered depths. Depth (ft) PID (ppm) Depth (ft) Classification scheme: USCS -0 1 0-0.9ft: ASPHALT. Dark gray, fine, gravel, angular. 0.9-10.0ft: POORLY GRADED SAND (SP). Light brown, damp, medium dense, 85% sand (fine to medium, poorly graded), 10% gravel (fine to coarse, subrounded to subangular), 5% fines (silt). EB-44-2-4 72 -3 0.0 ‡3 +5 EB-44-5-7 @6.6-6.8ft: Anthropogenic material (concrete-like, coarse gravel). @6.8ft: Sand grades to predominantly fine, same as above @0.9 but 95% sand, 5% fines. ‡-6 ±6 57 0.0 +8 +8 FB-44-8-10 ‡₉ ‡_9 + 10 ‡ 10 10.0-15.0ft: POORLY GRADED SAND WITH SILT (SP-SM). Brown, wet, dense, 90% sand (fine to medium, ∓₁₁ predominantly fine, poorly graded), 10% fines (silt). 0.0 @11.8-14.6ft: Brown with orange to brown mottling, potential oxidation. +12 - 12 83 + 13 - 13 ± 14 - 14 ‡ 15 - 15 15.0-20.0ft: POORLY GRADED SAND (SP). Dark gray with red, white, and orange-brown grains, 95% sand (fine to Ŧ 16 medium), poorly graded), <5% fines (silt), wet, dense. - 16 ‡ 17 - 17 0.0 96 18 + 19 - 19 End of core @20.0ft below ground surface. + 20 - 20 ‡ 21 - 21 + 22 - 22 ± 23 - 23 ± 24 - 24



206-287-9130

Soil Boring Log Sheet 1 of 1 EB-49 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1272676.042 Easting: 198804.778 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/08/2014 Contractor: Holt Services, Inc. Method: Geoprobe, 2.25" diameter Sample Recovery (%) Sample Name **Soil Description** Graphic Log Samples and descriptions are in recovered depths. (mdd) Depth (ft) Depth (ft) Classification scheme: USCS PID (1 0-0.5ft: ASPHALT. Gray, dry, gravel, fine, angular. 0.5-1.2ft: Transition asphalt to POORLY GRADED SAND (SP) as described @1.2ft. 0.0 1.2-11.6ft: POORLY GRADED SAND. 90% SAND (fine to medium, predominantly fine, poorly graded), 5% fines (silt), 90 ‡3 5% gravel (fine, angular). ‡-3 EB-49-3-5 @2.7ft: Grades to black sand. I_5 ---5 @5.5ft: Anthropogenic material (red, brick-like, fine, gravel size). EB-49-5-7 ____6 @6.4ft: Anthropogenic material (white/gray, fine gravel/angular), concrete-like. ‡-6 @7.0ft: Zone of potential oxidation (red-orange-brown). ‡7 70 +8 @7.1ft: Grades to dark brown, grains red, white, and brown, moist, 95% sand (fine to medium, predominantly medium), 5% fines (silt). EB-99-5-7 ‡₉ <u>∓</u>9 @8.5ft: Same as above @ 1.2ft. + 10 + 10 + 12 12 11.6-13.7ft: SILT (ML). Brown with orange-brown mottling near root-like fibers (potential oxidation), 75% fines (silt), 94 holds shape, 25% sand (fine to medium, predominantly fine), organics (root like fibers). + 13 - 13 ± 14 - 14 13.7-20.0ft: POORLY GRADED SAND WITH SILT (SP-SM). Gray, wet, dense, 90% sand (fine to medium, predominantly fine, poorly graded), 10% fines (silt). 15 - 15 EB-49-11-13 I 16 - 16 ‡ 17 - 17 92 18 EB-99-11-13 0.0 + 19 @19.5ft: Sand is predominantly medium grain. - 19 End of core @20.0ft below ground surface. ‡ 20 - 20 ‡-21 - 21 + 22 - 22 <u>+</u> 23 - 23 ± 24 - 24



Soil Boring Log Sheet 1 of 1 EB-53-C 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1273035.68 Easting: 198893.202 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/08/2014 Contractor: Holt Services, Inc. Method: Geoprobe, 2.25" diameter Sample Recovery (%) Sample Name **Soil Description** Graphic Log Samples and descriptions are in recovered depths. Depth (ft) (mdd) Depth (ft) Classification scheme: USCS PID (-0 1 0-0.7ft: ASPHALT. Gray, dry, gravel (fine to coarse, angular). +1 0.7-14.1ft: POORLY GRADED SAND (SP). Brown, moist, medium, dense, 90% sand (fine to medium, poorly graded), 5% fines (silt), 5% gravel (fine, subrounded), grains are brown and tan. EB-49-15-17 72 3 0.0 ‡3 15 I_5 @5.7-5.9ft: Lens, anthropogenic, material (concrete-like, light gray, sand to fine gravel, angular). EB-49-18-20 ____6 ‡-6 ‡,7 0.0 81 +8 FB-53-2-4 @8.9-9.5ft: Grades to black, anthropogenic material (red, brick-like, fine to coarse gravel, subangular). ±_9 + 10 + 10 @10.7-11.0ft: Same as above @8.9ft. 0.0 † 11 @12.5-13.0ft: Same as above @8.9ft. +12 - 12 81 + 13 - 13 ‡ 14 - 14 14.1-18.3ft: SILTY SAND (SM). Brown to gray, wet, loose, 80% sand (fine to medium, poorly graded), 20% fines (silt), 15 - 15 standing water. EB-53-5-7 I 16 @14.1ft: Pocket, anthropogenic material (red, brick-like gravel, fine to coarse, angular). - 16 ‡ 17 - 17 0.0 96 - 18 18.3-20.0ft: POORLY GRADED SAND (SP). Dark gray, 95% sand (fine to medium, poorly graded), 5% gravel (fine, + 19 - 19 subangular), grains red, white, and blue gray. ‡ 20 - 20 End of core @20.0ft below ground surface. ‡₂₁ - 21 + 22 - 22 ± 23 - 23 ± 24 - 24



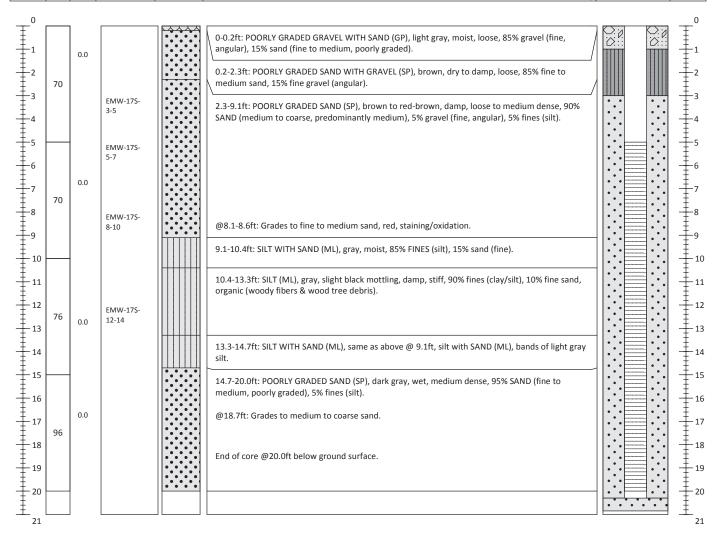
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Soil Boring Log Sheet 1 of 1 **EB-55** 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1272840.241 Easting: 199532.629 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/08/2014 Contractor: Holt Services, Inc. Method: Geoprobe, 2.25" diameter 8 Sample Recovery Sample Name **Soil Description** Graphic Log Samples and descriptions are in recovered depths. PID (ppm) Depth (ft) Depth (ft) Classification scheme: USCS _0 0-0.5ft: ASPHALT. Gray, gravel, fine, angular. 0.5-3.0ft: CONCRETE. Anthropogenic material, light gray to white, dry, loose, 85% sand size (fine to medium), 15% gravel size (fine, angular), mix of concrete-like and fire-brick-like debris. 0.0 65 +3 +3 EB-53-8-10 3.0-7.9ft: POORLY GRADED SAND (SP). Dark brown, damp to moist, medium dense, 95% sand (fine to medium, ‡-4 predominantly medium, poorly graded), 5% fines (silt), grains are red, white, and orange. ‡_5 EB-53-15-17 +6 +6 0.0 82 +8 ↓8 EB-103-15-17 7.9-10.0ft: SILT (ML). Gray, firm, moist, 95% fines (clay/silt, predominantly silt), 5% sand (fine to medium, predominantly fine, poorly graded). ± 10 ± 10 10.0-12.3ft: SILTY SAND (SM). Gray, brown, wet, loose, 65% sand (fine to medium, poorly graded, predominantly + 11 fine), 35% fines (silt), standing water. 0.0 + 12 - 12 12.3-13.1ft: SILT (ML). Same as above @ 7.9ft. ‡ 13 - 13 13.1-20.0ft: SILTY SAND (SM). Gray, loose, wet, 70% sand (fine to medium, predominantly fine, poorly graded), 30% ± 14 - 14 fines (still), standing water. ± 15 - 15 I 16 - 16 + 17 - 17 96 0.0 - 18 + 19 - 19 End of core @20.0ft below ground surface. + 20 ---- 20 <u>‡</u>21 - 21 - 22 - 22 - 23 - 23 + 24 - 24

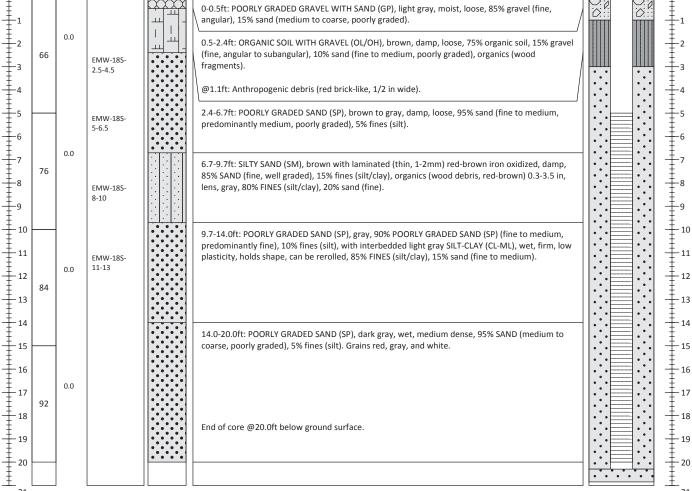
Soil Boring Log Sheet 1 of 1 **EB-56** 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Northing: 1272584.265 Project #: 131044-01 Easting: 198874.851 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 12/08/2014 Contractor: Method: Geoprobe, 2.25" diameter Holt Services, Inc. 8 Sample Recovery Sample Name Soil Description Graphic Log Samples and descriptions are in recovered depths. PID (ppm) Depth (ft) Depth (ft) Classification scheme: USCS -0 0-1.0ft: POORLY GRADED GRAVEL WITH SAND (GW). Dark gray to black, damp, medium dense, 65% sand (fine to medium, poorly graded), 30% gravel (fine to coarse, angular), 5% fines (silt). 0.0 1.0-1.5ft: LEAN CLAY WITH SAND (CL). Light brown with red-brown mottling, dry, stiff, 85% fines (silt/clay, EB-55-3-5 predominantly clay, holds shape, can be remolded, medium plasticity), 15% sand (fine to medium, predominantly 61 ∓_3 @1.5-4.5ft: Nodules of same as above @1.0ft. ‡-4 ‡4 @5.0ft: Grades to predominantly fine sand. ±_5 FB-55-5-7 1.5-6.9ft: POORLY GRADED SAND (SP). Dark brown, damp, dense, 95% sand (fine to medium, predominantly ∏6 ∏6 0.0 medium, poorly graded), 5% fines (silt), grains red, white, and gray, organic (root-like fibers). 6.9-12.2ft: SILTY SAND (SM). Same as above at 5.0ft with interbedded SILTY SAND (SM), gray with red-brown 75 mottling, wet, firm, 80% sand (fine to medium, predominantly fine), 20% fines (silt), organics (root-like fibers), +8 ↓8 EB-55-8-10 predominantly SILTY SAND (SM). +10 ± 10 0.0 ‡₁₂ - 12 12.2-20.0ft: POORLY GRADED SAND (SP). Dark brown, wet, dense, 100% sand (fine to medium, predominantly EB-56-2-4 _ 13 - 13 medium, poorly graded, grains red and white). ∓-14 - 14 @12.4-13.3ft: Same as above @12.2 in, but dark brown to red-brown, potential oxidation. @13.3ft: Organics (wood fragments>.5x1.5 in) 15 - 15 Same as above @12.2 but moist. + 16 - 16 EB-56-5-7 @18.6ft: Grades to predominantly fine sand. ‡ 17 - 17 88 0.0 18 @19.0-19.1ft: Lens, gray, firm, damp, 80% fines (silt), 20% sand (fine to medium, poorly graded, predominantly fine). 19 - 19 End of core @20.0ft below ground surface. + 20 - 20 ‡ 21 - 21 ± 22 - 22 1 23 23 - 24 - 24



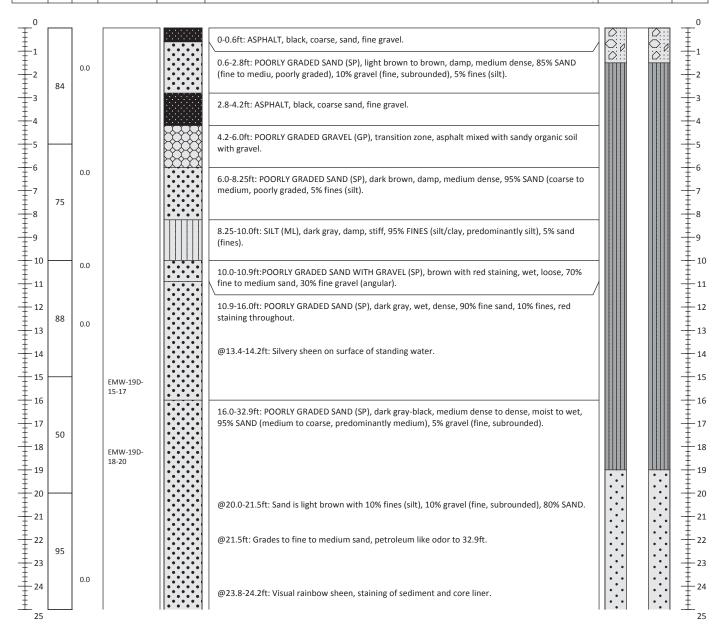
Well Installation Log Sheet 1 of 1 **EMW-17S** 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Northing: 1272611.79 Project #: 131044-01 Easting: 199365.38 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH Total Depth (ft): Collection Date: 11/26/2014 Contractor: Holt Services, Inc. Method: Hollow Stem Auger, 4.25" diameter Sample Recovery (%) Sample Name **Soil Description Well Details** Graphic Log (mdd) Samples and descriptions are in recovered depths. Depth (ft) Depth (ft) Classification scheme: USCS PID (



Well Installation Log Sheet 1 of 1 **EMW-18S** 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Northing: 1272603.63 Project #: 131044-01 Easting: 199134.8 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH/CF Total Depth (ft): Collection Date: 11/26/2014 Contractor: Method: Hollow Stem Auger, 4.25" diameter Holt Services, Inc. Sample Recovery (%) Sample Name **Soil Description Well Details** Graphic Log (mdd) Samples and descriptions are in recovered depths. Depth (ft) Depth (ft) Classification scheme: USCS PID (0-0.5ft: POORLY GRADED GRAVEL WITH SAND (GP), light gray, moist, loose, 85% gravel (fine, angular), 15% sand (medium to coarse, poorly graded). 0.0 0.5-2.4ft: ORGANIC SOIL WITH GRAVEL (OL/OH), brown, damp, loose, 75% organic soil, 15% gravel (fine, angular to subangular), 10% sand (fine to medium, poorly graded), organics (wood 66 3 FMW-18S-2.5-4.5 @1.1ft: Anthropogenic debris (red brick-like, 1/2 in wide).



Well Installation Log Sheet 1 of 4 **EMW-19D** Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: 7400 8th Avenue S., Seattle WA 98108 Project #: 131044-01 Northing: 1272736.04 Easting: 199097.59 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH/JBW Total Depth (ft): Collection Date: 11/25/2014, 12/5/2014 Method: Hollow Stem Auger, 4.25" diameter Holt Services, Inc. Sample Recovery (%) Sample Name **Soil Description Well Details** Graphic Log (mdd) Samples and descriptions are in recovered depths. Depth (ft) Depth (ft) Classification scheme: USCS B





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Well Installation Log Sheet 2 of 4 EMW-19D 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Northing: 1272736.04 Project #: 131044-01 Easting: 199097.59 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH/JBW Total Depth (ft): 11/25/2014, 12/5/2014 Collection Date: Holt Services, Inc. Method: Hollow Stem Auger, 4.25" diameter Sample Recovery (%) Sample Name **Soil Description Well Details** Graphic Log Depth (ft) (mdd) Samples and descriptions are in recovered depths. Depth (ft) Classification scheme: USCS PID (26 @25.0-28.0ft: Rainbow sheen on surface. - 26 0.0 FMW-19D 26-28 27 96 0.0 - 28 - 28 + 29 @29.15-29.2ft: Red-brown organics (wood debris). ± 30 T 30 ₹ 31 - 31 32 32 @31.5-31.8ft: Pocket rainbow sheen. @32.1ft: Organic (wood debris 1x2 in). - 33 32.9-35.0ft: SILTY SAND (SM), dark, gray, dense, damp, 75% SAND (fine, well graded), 25% fines - 34 ‡ + 35 I 35 35.0-36.3ft: POORLY GRADED SAND (SP), dark gray-black, dense, moist, 100% S fine to medium - 36 - 36 ∓ ± 37 36.3-36.8ft: SILTY SAND (SM), bed, dark gray, damp, 75% SAND (fine well graded), 25% fines (silt). - 37 77 36.8-48.9ft: POORLY GRADED SAND (SP), same as above @ 35.0ft. -38 - 38 EMW-19D-39 38-40 40 - 40 @40.0-43.5ft: Sand is wet, standing water. ‡ +41 41 62 43 43 44 ‡ + 45 45 46 46 47 FMW-19D-82 47-49 - 48 ± 48



0.0

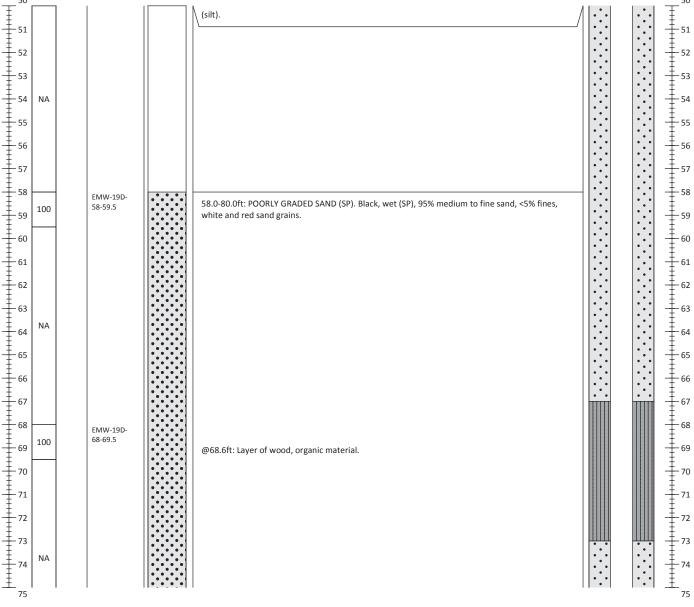
49

48.9-50.0ft: SILTY SAND (SM). Interbedded layers of SILTY SAND (SM) (3 in) thick with POORLY

GRADED SAND (SP), 1.5 in SM 75% SAND (fine), 25% FINES (silt), SP 95% SAND (fine), 5% FINES

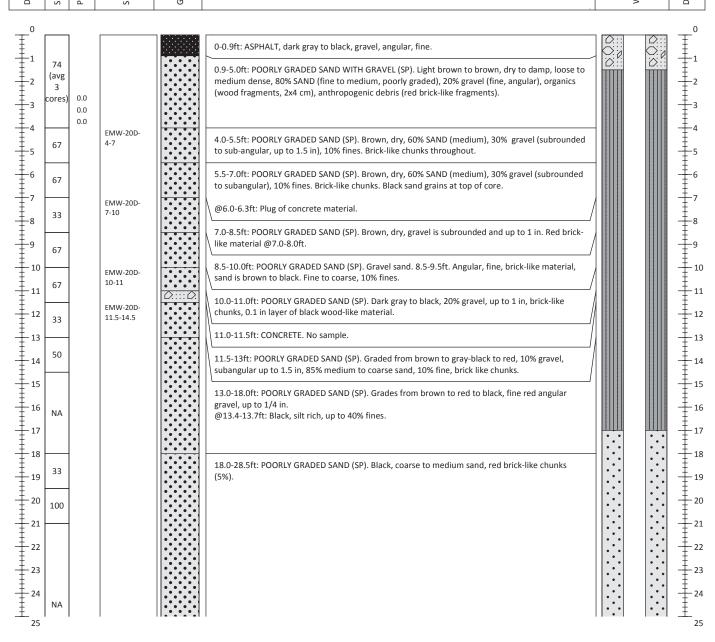
49

Well Installation Log Sheet 3 of 4 EMW-19D Location: 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Northing: 1272736.04 Project #: 131044-01 Easting: 199097.59 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH/JBW Total Depth (ft): Collection Date: 11/25/2014, 12/5/2014 Holt Services, Inc. Method: Hollow Stem Auger, 4.25" diameter Sample Recovery (%) Sample Name **Soil Description Well Details** Graphic Log Samples and descriptions are in recovered depths. PID (ppm) Depth (ft) Depth (ft) Classification scheme: USCS → 50 → 51 (silt).



						Allation Log N-19D Sheet 4 of A
Project	: Dra	ıft RI F	Report - 8th Av	venue Term	inals, Inc. Site	Location: 7400 8th Avenue S., Seattle WA 98108
Project	:#: 1	L31044	4-01			Northing: 1272736.04 Easting: 199097.59
Client:	Del	lovo S	eattle, LLC			Horizontal Datum: NAD83 WA State Plane North Feet
Collect	ion Da	ite:	11/25/2014, 12	2/5/2014	Logged By: LH/JBW	Total Depth (ft): 80
Contra	ctor:	Holt	Services, Inc.			Method: Hollow Stem Auger, 4.25" diameter
Depth (ft)	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS					d descriptions are in recovered depths.
75 	100 NA		EMW-19D- 78-79.5		End of core @80.0ft below ground s	surface.

Well Installation Log Sheet 1 of 4 EMW-20D 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Project #: 131044-01 Northing: 1273160.44 Easting: 198935.67 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH/JBW Total Depth (ft): Collection Date: 11/24/2014, 12/4/2014 Method: Hollow Stem Auger, 4.25" diameter Holt Services, Inc. Sample Recovery (%) Sample Name **Soil Description Well Details** Graphic Log (mdd) Samples and descriptions are in recovered depths. Depth (ft) Depth (ft) Classification scheme: USCS B



206-287-9130

Well Installation Log Sheet 2 of 4 EMW-20D Location: 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Project #: 131044-01 Northing: 1273160.44 Easting: 198935.67 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH/JBW Total Depth (ft): Collection Date: 11/24/2014, 12/4/2014 Holt Services, Inc. Method: Hollow Stem Auger, 4.25" diameter Sample Recovery (%) Sample Name **Soil Description Well Details** Graphic Log Samples and descriptions are in recovered depths. PID (ppm) Depth (ft) Depth (ft) Classification scheme: USCS 26 26 ± 27 - 28 - 28 67 - 29 28.5-38.0ft: POORLY GRADED SAND (SP). Same as above. Some dark fibrous material. 30 ± 30 ¥ 31 31 32 I 32 33 34 35 - 33 ‡ + 35 ± 36 - 36 37 ± ± 37 - 38 - 38 38.0-48.0ft: POORLY GRADED SAND (SP). Black, wet, coarse to medium sand. 100 39 ± +40 40 @39.3ft: Layer of fine brown organic material. ‡ +41 I 41 43 - 43 44 ‡ + 45 45 46 46 47 47 48 49 48 48.0-68.0ft: POORLY GRADED SAND (SP). Black, wet, coarse, fine sand, white and red sand grains, 100 95% sand, <5% fines, fines occur in small (<1 cubic mm) pockets. 49



@48.1ft: Fibrous wood.

Well Installation Log Sheet 3 of 4 EMW-20D Location: 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Northing: 1273160.44 Project #: 131044-01 Easting: 198935.67 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH/JBW Total Depth (ft): Collection Date: 11/24/2014, 12/4/2014 Holt Services, Inc. Method: Hollow Stem Auger, 4.25" diameter Sample Recovery (%) Sample Name **Soil Description Well Details** Graphic Log Samples and descriptions are in recovered depths. PID (ppm) Depth (ft) Depth (ft) Classification scheme: USCS 51 - 51 ± 52 - 53 55 - 55 ± 56 ± 56 ± 57 I 57 - 58 - 58 @58.2-58.6ft: Interval with no coarse sand, fine sand and fines split. 80% fines, 20% fine sand. 100 - 59 ± 60 I 60 - 61 - 61 62 - 62 63 64 65 63 NA 65 66 66 68 69 70 71 72 72 73 74 74 ± 66 68 69 70 68.0-78.0ft: POORLY GRADED SAND (SP). Black, wet, white and red sand grains, very few fines @68.3ft: pocket of silt (ML) 71 72 73 74 NA



						rallation Log W-20D Sheet 4 of 4
Project:	: Dra	aft RI	Report - 8th A	venue Term	inals, Inc. Site	Location: 7400 8th Avenue S., Seattle WA 98108
Project	#: 1	13104	4-01			Northing: 1273160.44 Easting: 198935.67
Client:	Del	Novo:	Seattle, LLC			Horizontal Datum: NAD83 WA State Plane North Feet
Collecti	ion Da	ate:	11/24/2014, 12	2/4/2014	Logged By: LH/JBW	Total Depth (ft): 80
Contrac	ctor:	Holt	Services, Inc.			Method: Hollow Stem Auger, 4.25" diameter
Depth (ft)	Sample Recovery (%)	PID (ppm)	Sample Name	Graphic Log	Samples	Soil Description and descriptions are in recovered depths. Classification scheme: USCS (1) Hd ad
75 	100 NA				78.0-79.5ft: POORLY GRADED SAI top of core to fine at bottom of c End of core @80.0ft below groun	

Well Installation Log Sheet 1 of 4 EMW-21D 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Northing: 1272751.52 Project #: 131044-01 Easting: 198668.25 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH/JBW Total Depth (ft): Collection Date: 11/24/2014, 12/3/2014 Method: Hollow Stem Auger, 4.25" diameter Holt Services, Inc. Sample Recovery (%) Sample Name **Soil Description Well Details** Graphic Log (mdd) Samples and descriptions are in recovered depths. Depth (ft) Depth (ft) Classification scheme: USCS B 0-0.8ft: ASPHALT, black, coarse, angular, fine. 0.0 0.8-1.5ft: POORLY GRADED SAND WITH GRAVEL (SP), light gray, dry, medium dense, 70% sand (fine to medium, poorly graded), 30% gravel (fine, angular). EMW-21D-63 ‡3 1.5-6.0ft: POORLY GRADED SAND (SP), brown, damp, dense, 95% SAND (fine to medium), 5% gravel (fine). ‡5 EMW-21D-‡-6 6.0-7.3ft: POORLY GRADED GRAVEL WITH SAND (GP), concrete-like, white to light gray, dry, medium dense, rip-rap-like, angular debris, white rock-like powder, 85% gravel (fine to coarse, angular), 15% sand (fine to medium, poorly graded) (concrete-pad). +8 0.0 EMW-21D-7.3-11.10ft: SILTY SAND WITH GRAVEL (SM), brown, moist, medium dense to dense, 50% fine to 8-10 medium sand, 30% fine gravel (angular), 20% fines. Ŧ 10 100 11 12 13 14 ‡ 11 11.0-14.0ft: SILTY GRAVEL (GM), gravel up to 1 in, subangular, rip rap, 40% silt, brown, moist, 10% 33 - 12 fine sand. Pulverized rock - 13 15 EMW-21D-14.0-15.0ft: SILTY SAND WITH GRAVEL (SM), gray, moist, 20% gravel up to 1 in, subrounded, 65% 14-14.7 50 - 15 fine sand, 15% fines, brick-like chunks. EMW-21D-15-15.4 ‡ 16 15.0-17.0ft: POORLY GRADED SAND (SP), wet to moist, gray, 90% sand with white and red grains, 10% fines, some fibers, brick like chunks, EMW-21D-17.0-18.5ft: POORLY GRADED GRAVEL WITH SAND (GP), 50% Gravel, subangular to angular, light 17-17.7 50 in color (riprap-like), 45% coarse to fine sand, 5% fines, light-dark gray, wet, some organic-like - 18 - 18 ‡ 19 - 19 70 18.5-28.0ft: POORLY GRADED SAND (SP), gray, wet, 95% sand, red and white grains, organic fibers, ± 20 20 <5% fines, sand coarse to medium. - 21 21 22 - 22



. 23

-24 NA

I 23

Well Installation Log Sheet 2 of 4 EMW-21D Location: 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Northing: 1272751.52 Project #: 131044-01 Easting: 198668.25 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH/JBW Total Depth (ft): 11/24/2014, 12/3/2014 Collection Date: Holt Services, Inc. Method: Hollow Stem Auger, 4.25" diameter Sample Recovery (%) Sample Name **Soil Description Well Details** Graphic Log (mdd) Samples and descriptions are in recovered depths. Depth (ft) Depth (ft) Classification scheme: USCS PID (26 - 26 ± 27 28 - 28 28.0-38.0ft: POORLY GRADED SAND (SP), wet, gray, 95% sand, red and white grains, <5% fines, 50 - 29 sand is coarse to medium. ± 30 ‡ 30 31 31 32 I 32 33 34 35 - 33 ‡ + 35 - 36 - 36 ∓ ± 37 37 - 38 - 38 38.0-48.0ft: POORLY GRADED SAND (SP), wet, gray, 95% coarse, medium sand, red and white 39 60 grains, 5% fines, 2 mm thick silt pocket @38.5ft, organic fibers. 40 40 ‡ +41 ± 41 43 - 43 44 ‡ + 45 45 46 46 47 48 48 48.0-48.5ft: POORLY GRADED SAND (SP), wet, gray, 95% coarse to medium sand, 5% fines, red and 100 49 49



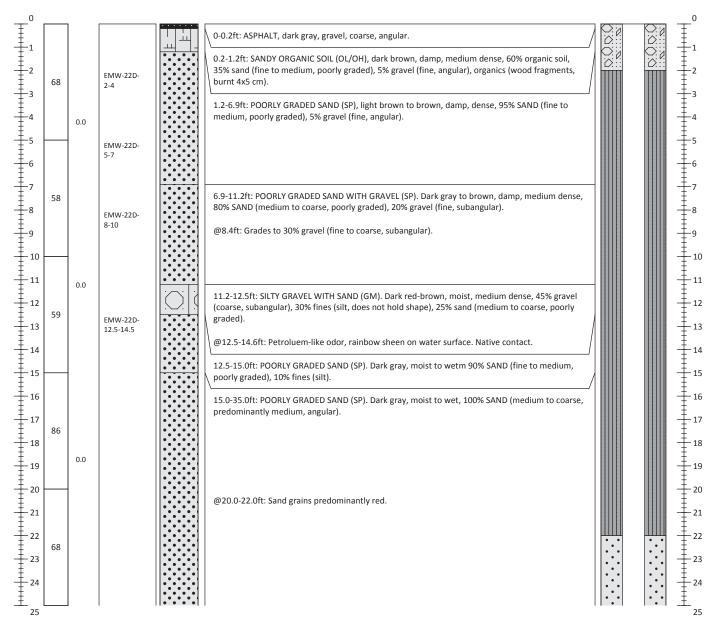
48.5-58.0ft: POORLY GRADED SAND (SP), 75% fine sand, 25% fine, gray, wet, sand with silt.

Well Installation Log Sheet 3 of 4 EMW-21D Location: 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Project #: 131044-01 Northing: 1272751.52 Easting: 198668.25 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH/JBW Total Depth (ft): 11/24/2014, 12/3/2014 Collection Date: Holt Services, Inc. Method: Hollow Stem Auger, 4.25" diameter Sample Recovery (%) Sample Name **Soil Description Well Details** Graphic Log Depth (ft) Samples and descriptions are in recovered depths. PID (ppm) Depth (ft) Classification scheme: USCS 51 -51 ± 52 - 53 - 53 NA 55 - 55 - 56 - 56 ± 57 I 57 - 58 - 58 58.0-58.3ft: POORLY GRADED SAND (SP), gray, wet, 95% coarse to medium sand, red and white 70 grains, 5% fines. - 59 ± + 60 ‡ 60 58.3-58.5ft: SILT WITH SAND (ML), gray, wet, 85% silt, 15% fine sand. 58.5-68.0ft: POORLY GRADED SAND (SP), 85% fine sand, 15% silt, some red and white grains. - 61 - 61 62 - 62 63 64 65 63 NA - 65 66 ± 66 68 69 70 68.0-78.0ft: POORLY GRADED SAND (SP), 95% fine to medium sand, white and red grains, 5% 100 @69.3ft: 3 mm silt pocket. - 71 72 73 74 NA



						allation Log	Sheet 4	of 4
Project	: Dra	aft RI	Report - 8th A	venue Term	ninals, Inc. Site	Location: 7400 8th Avenue S., Seattle WA 98108		
Project	t#: 1	L3104	4-01			Northing: 1272751.52 Easting: 198668.25		
Client:	Del	lovo!	Seattle, LLC			Horizontal Datum: NAD83 WA State Plane North Feet		
Collect	ion Da	ate:	11/24/2014, 12	2/3/2014	Logged By: LH/JBW	Total Depth (ft): 80		
Contra	ctor:	Holt	t Services, Inc.			Method: Hollow Stem Auger, 4.25" diameter		
Depth (ft)	Sample Recovery (%)	PID (ppm)	Sample Name	Graphic Log	Samples	Soil Description and descriptions are in recovered depths. Classification scheme: USCS	Well Details	Depth (ft)
75 	100 NA				78.0-80.0ft: POORLY GRADED SAN grains, 5% fines, small (2 square n @79.4-79.5ft: Grades to 50% fine End of core @80.0ft below groun	sand, 50% fines.		7777777778

Well Installation Log Sheet 1 of 4 EMW-22D 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Northing: 1273360.73 Project #: 131044-01 Easting: 199366.13 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH/NB/JBW Total Depth (ft): 11/24/2014, 12/2/2014 Collection Date: Holt Services, Inc. Method: Hollow Stem Auger, 4.25" diameter Sample Recovery (%) Sample Name **Soil Description Well Details** Graphic Log (mdd) Samples and descriptions are in recovered depths. Depth (ft) Depth (ft) Classification scheme: USCS PID (



Well Installation Log Sheet 2 of 4 EMW-22D 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Location: Northing: 1273360.73 Project #: 131044-01 Easting: 199366.13 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH/NB/JBW Total Depth (ft): 11/24/2014, 12/2/2014 Collection Date: Holt Services, Inc. Method: Hollow Stem Auger, 4.25" diameter Sample Recovery (%) Sample Name **Soil Description Well Details** Graphic Log Samples and descriptions are in recovered depths. Depth (ft) (mdd) Depth (ft) Classification scheme: USCS PID (26 @25.1-25.5ft: Organics (twig/wood debris). - 26 27 0.0 - 28 - 28 @27.6-27.9ft: Organics (wood debris), grades to fine to medium sand @27.6ft. ± 30 ± 30 ₹ 31 - 31 32 32 @31.7ft: Sand grades black to medium to coarse to grained. - 33 - 34 ‡ + 35 I 35 35.0-36.2ft: SILTY SAND (SM). Dark gray, wet, medium dense to dense. 60% SAND (fine sand, some medium grains, poorly graded), 40% fines (silt). - 36 - 36 0.0 ± ± 37 36.2-38.4ft: SILTY SAND (SM). Grades from SILTY SAND (SM) to POORLY GRADED SAND (SP). 37 -38 - 38 39 38.4-40.0ft: POORLY GRADED SAND (SP). Dark gray, wet, medium dense to dense, 95% SAND (fine), 5% fines (silt). 40 - 40 40.0-41.0ft: SILT WITH SAND (ML). Dark gray, wet, stiff, 80% fines (silt/clay, predomiantly silt), ‡ +41 20% sand (fine), holds shape, low plasticity, low toughness. 41 0.0 42 41.0-42.6ft: POORLY GRADED SAND (SP). Same as above @38.4ft. 84 43 42.6-43.9ft: SILT WITH SAND (ML). Same as above @40.0ft. 43 44 43.9-55.0ft: POORLY GRADED SAND (SP). Dark gray, wet, dense, 95% SAND (fine), 5% fines (silt). ‡ + 45 45 46 46 0.0 47 78 ± 48 49 49



Well Installation Log Sheet 3 of 4 EMW-22D Location: 7400 8th Avenue S., Seattle WA 98108 Project: Draft RI Report - 8th Avenue Terminals, Inc. Site Project #: 131044-01 Northing: 1273360.73 Easting: 199366.13 Client: DeNovo Seattle, LLC Horizontal Datum: NAD83 WA State Plane North Feet Logged By: LH/NB/JBW Total Depth (ft): 11/24/2014, 12/2/2014 Collection Date: Holt Services, Inc. Method: Hollow Stem Auger, 4.25" diameter Sample Recovery (%) Sample Name **Soil Description Well Details** Graphic Log (mdd) Samples and descriptions are in recovered depths. Depth (ft) Depth (ft) Classification scheme: USCS PID (51 51 52 53 @50.5-50.9ft: Layer, light gray, wet, soft, 95% fines (silt, does not hold shape), 5% sand (fines). - 53 ± 55 @54.1-54.6ft: Layer, SILT WITH SAND (ML), gray, damp to moist, stiff, 80% fines (silt), does not ± 55 hold shape, 20% sand (fines). ± 56 - 56 58-59.5ft: SILT (ML). Wet, gray, does not hold shape, 10% fine sand, 90% fines, soft. NA ± 57 ± 57 - 58 - 58 100 - 59 ± + 60 I 60 - 61 - 61 62 - 62 63 64 65 - 63 NA 65 ± 66 68 69 70 68.0-69.5ft: POORLY GRADED SAND WITH SILT (SP). Poorly graded sand with silt (SP-SM), gray, 100 medium dense, red-white grains, sand fine to medium. 90% sand, 10% fines. - 71 72 73 74 NA



						allation Log N-22D	Sheet 4	of 4
Project:	Dra	ıft RI I	Report - 8th A	venue Term	inals, Inc. Site	Location: 7400 8th Avenue S., Seattle WA 98108		
Project	#: 1	L3104	4-01			Northing: 1273360.73 Easting: 199366.13		
Client:	DeN	lovo S	Seattle, LLC			Horizontal Datum: NAD83 WA State Plane North Feet		
Collecti	on Da	ite:	11/24/2014, 12	2/2/2014	Logged By: LH/NB/JBW	Total Depth (ft): 80		
Contrac	ctor:	Holt	Services, Inc.			Method: Hollow Stem Auger, 4.25" diameter		
Depth (ft)	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS						Well Details	Depth (ft)
75 76 77 77 78 78	100 NA				78.0-79.0ft: POORLY GRADED SAND sand, 5% fines. End of core @80.0ft below ground s	(SP). Gray with red-white grains, sand is medium to fine, 95% surface.		77

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

wley Marine	Servic	.62		PROJECT NAME 8th Avenue Terminals, Inc. Site
JMBER <u>101</u>	.0020	5.0003	30	PROJECT LOCATION 7400 8th Ave. S, Seattle, WA
FED <u>6/18/13</u>	,		COMPLETED 6/18/13	GROUND ELEVATION _11.97' HOLE SIZE _2.125-inch diame
ONTRACTOR	ESN	N-NW		GROUND WATER LEVELS:
		iot	CHECKED BY	AFTER DRILLING
	1			
SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
EB-5-1.0*			fines, moist, r	RAVEL (FILL), light brown, fine to coarse sand, fine to coarse gravel, trace o hydrocarbon-like odors or staining. ecomes dark brown; little fines.
P EB-5-2.5	90			brown, fine-grained, few fines, moist, no hydrocarbon-like odors or staining.
		SP		
EB-5-5.0*				
			▼ @ 6.5 feet: B	ecomes gray.
EB-5-7.5	90		7.5 @ 7.0 feet: Be	
			staining.	
EB-5-10.0*				
5 5 40 5	400	SM	시원 (1) 19 (2) 19 (3)	
EB-5-12.5	100			
			원이전 사이전 전체적	
			15.2	
			sand, gray, f staining.	ne- to medium-grained, trace fines, wet, no hydrocarbon-like odors or
o	100	QD.		
		01		
			[화장]	
	EB-5-1.0* EB-5-1.0* EB-5-1.0*	### Contractor	ONTRACTOR ESN-NW ETHOD Direct Push G. Lish/A. Meugniot EB-5-1.0* P EB-5-2.5 90 EB-5-7.5 90 EB-5-10.0* SM P EB-5-12.5 100	CHECKED BY CHE

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Duplicate sample EB-93-10.0' collected over the same interval as sample EB-5-10.0'.

 $[\]subseteq$ Water level at time of drilling.

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CLIEN	NT .	Crow	ley Marine S	Servic	es		PROJECT NAME 8th Avenue Terminals, Inc. Site	
PROJ	EC	T NUN	/IBER <u>101.</u>	00205	5.0003	30	PROJECT LOCATION 7400 8th Ave. S, Seattle, WA	
DATE	ST	ARTE	D 6/17/13			COM	PLETED _6/17/13 GROUND ELEVATION _15.59' HOLE SIZE _2.125-inch diam	eter
DRILI	INC	G CON	NTRACTOR	ESN	I-NW		GROUND WATER LEVELS:	
DRILL	_IN(G MET	HOD Direc	ct Pus	sh		AT TIME OF DRILLING 11.2 ft	
LOGO	ED	BY _	A. Meugnio	t		CHE	KED BY AFTER DRILLING	
NOTE	S							
O DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	1						0.7 ASPHALT.	
-	1\/		EB-14-1.0*		SP		SAND (FILL) , brown, fine-grained, few fine gravel, moist, no hydrocarbon-like odors or staining.	0.0
-	\mathbb{W}						2.0 From 1.3 to 1.5 feet: Red brick. @ 1.8 feet: Cobble fragments in sampler.	0.0
	$\left \right $	GP	EB-14-2.5	95			GRAVELLY SAND (FILL), dark gray, fine-grained, little to some gravel, trace fines, moist, no hydrocarbon-like odors or staining.	0.0
	$\ \cdot\ $						@ 4.0 feet: Weak hydrocarbon-like odor.	0.6
5					SP		@ 4.5 feet: Becomes brown.	0.0
	1		EB-14-5.0*					0.0
-	1\/							0.0
	\mathbb{W}				SP		6.8 7.2 SAND (FILL), gray, fine- to medium-grained, moist, no hydrocarbon-like odors or staining.	0.0
	╽	GP	EB-14-7.5	95			SILTY SAND (FILL), brown, fine-grained, little to some fines, few wood fragments, moist, no hydrocarbon-like odors or staining.	0.0
							no mydrocarbon-like odors or stairing.	0.0
-	V							0.0
10			EB-14-					0.0
	\mathbb{N}		10.0*					0.0
	\mathbb{N}						11.2 feet: Becomes wet.	0.0
-	1	GP	EB-14-	90	SM		From 12.0 to 12.2 feet: Wood fragments.	0.0
		GP	12.5	90				0.0
								0.0
	V							0.0
15								0.0
-	1/							0.0
	W						17.0	0.0
]	GP					SAND, brownish-gray, fine-grained, trace fines, wet, no hydrocarbon-like odors or staining.	0.0
-					60			0.0
					SP			0.0
20	\						20.0	0.0
							Boring completed at 20.0 feet.	0.0

REMARKS

SLR SB LOG CROWLEY RIFS BORINGS.GPJ GINT US.GDT 1/16/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

 $\overline{igspace}$ Water level at time of drilling.

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PROJECT NUMBER 101 00005 000350 PROJECT DO ATTOR 140 8th Ave. S, seattle, WA	CLIEN	NT .	Crow	ley Marine S	Servic	es		PROJECT NAME 8th Avenue Terminals, Inc. Site	
DRILLING METHOD DIFFER PINE TOP CLOSE TOP CLOS	PROJ	EC.	T NUN	/IBER <u>101.</u>	00205	5.0003	80	PROJECT LOCATION 7400 8th Ave. S, Seattle, WA	
Cocceded by C. Lee	DATE	ST	ARTE	D 6/19/13			COM	PLETED 6/19/13 GROUND ELEVATION 14.64' HOLE SIZE 2.125-inch diam	eter
Note	DRILL	INC	G CON	TRACTOR	Holo	cene		GROUND WATER LEVELS:	
NOTES	DRILL	INC	3 ME1	HOD Dire	ct Pus	h		AT TIME OF DRILLING 9.5 ft	
## Part	LOGG	ED	BY	C. Lee			CHE	CKED BY AFTER DRILLING	
Result	NOTE	S							
SANDY SILT (FILL), brown, fine- to medium-grained, damp, no hydrocarbon-like odors or staining. SANDY SILT (FILL), brown, some fine-grained sand, damp, no hydrocarbon-like odors or staining. SANDY SILT (FILL), brown, some fine-grained sand, moist, no hydrocarbon-like odors or staining. SANDY SILT (FILL), brown, some fine-grained sand, moist, no hydrocarbon-like odors or staining. O.0 SANDY SILT (FILL), brown, some fine-grained sand, moist, no hydrocarbon-like odors or staining. O.0 SANDY SILT (FILL), brown, some fine-grained sand, moist, no hydrocarbon-like odors or staining. O.0 SANDY SILT (FILL), brown, some fine-grained sand, moist, no hydrocarbon-like odors or staining. O.0 SANDY SILT (FILL), brown, some fine-grained sand, moist, no hydrocarbon-like odors or staining. O.0 SAND, brownish-gray, fine-grained, few fines, wet, no hydrocarbon-like odors or staining. O.0 O.0 SP SAND, brownish-gray, fine-grained, few fines, wet, no hydrocarbon-like odors or staining. O.0 SP SAND, dark brown, fine- to medium-grained, no fines.		INTERVAL	TYPE	SAMPLE NAME		U.S.C.S.			PID (ppm)
SANDY SILT (FILL), brown, fine- to medium-grained, damp, no hydrocarbon-like odors or staining. SANDY SILT (FILL), brown, some fine-grained sand, damp, no hydrocarbon-like odors or staining. SANDY SILT (FILL), brown, some fine-grained sand, moist, no hydrocarbon-like odors or staining. SANDY SILT (FILL), brown, some fine-grained sand, moist, no hydrocarbon-like odors or staining. O.0 SANDY SILT (FILL), brown, some fine-grained sand, moist, no hydrocarbon-like odors or staining. O.0 SANDY SILT (FILL), brown, some fine-grained sand, moist, no hydrocarbon-like odors or staining. O.0 SANDY SILT (FILL), brown, some fine-grained sand, moist, no hydrocarbon-like odors or staining. O.0 SANDY SILT (FILL), brown, some fine-grained sand, moist, no hydrocarbon-like odors or staining. O.0 SAND, brownish-gray, fine-grained, few fines, wet, no hydrocarbon-like odors or staining. O.0 O.0 SP SAND, brownish-gray, fine-grained, few fines, wet, no hydrocarbon-like odors or staining. O.0 SP SAND, dark brown, fine- to medium-grained, no fines.		1						CONCRETE.	
SANDY SILT (FILL), brown, fine- to medium-grained, damp, no hydrocarbon-like odors or staining. SANDY SILT (FILL), brown, some fine-grained sand, moist, no hydrocarbon-like odors or staining. O.0 SANDY SILT (FILL), brown, some fine-grained sand, moist, no hydrocarbon-like odors or staining. O.0 SANDY SILT (FILL), brown, some fine-grained sand, moist, no hydrocarbon-like odors or staining. O.0 SANDY SILT (FILL), brown, some fine-grained sand, moist, no hydrocarbon-like odors or staining. O.0 SANDY SILT (FILL), brown, some fine-grained, few fines, wet, no hydrocarbon-like odors or staining. O.0 SANDY SILT (FILL), brown, some fine-grained, few fines, wet, no hydrocarbon-like odors or staining. O.0 SANDY SILT (FILL), brown, some fine-grained, few fines, wet, no hydrocarbon-like odors or staining. O.0 SANDY SILT (FILL), brown, some fine-grained, few fines, wet, no hydrocarbon-like odors or staining. O.0 SANDY SILT (FILL), brown, fine-to medium-grained, no fines. O.0 SANDY SILT (FILL), brown, fine-to medium-grained, no fines. O.0 SANDY SILT (FILL), brown, fine-to medium-grained, no fines. O.0 SANDY SILT (FILL), brown, fine-to medium-grained, no fines.	-	1\/							
SANDY SILT (FILL), brown, some fine-grained sand, moist, no hydrocarbon-like odors or staining. SP			_	EB-16-2.5*	100	GP	000	odors or staining. 3.0	0.0
Section 100									0.0
SANDY SILT (FILL), brown, some fine-grained sand, moist, no hydrocarbon-like odors or staining. 0.0 SANDY SILT (FILL), brown, some fine-grained sand, moist, no hydrocarbon-like odors or staining. 0.0 SAND, brownish-gray, fine-grained, few fines, wet, no hydrocarbon-like odors or staining. 0.0 SP GP GP GP GP GP 100 SP GP 100 GP 1	5 -		GP	EB-16-5.0*	100	SP			0.0
10		$\left \right $		EB-16-7.5		ML		SANDY SILT (FILL), brown, some fine-grained sand, moist, no hydrocarbon-like odors or	0.0
GP EB-16- 15.0 SP GP GP 100 GP 100 SP GP 100 GP 1			GP						0.0
12.5		/\							0.0
15		/							0.0
GP 100 @ 18.5 feet: Becomes fine- to medium-grained, no fines. 9.0 SAND, dark brown, fine- to medium-grained, wet, no hydrocarbon-like odors or staining.	_ 15 		GP		100	SP			0.0
19.5 SAND, dark brown, fine- to medium-grained, wet, no hydrocarbon-like odors or staining.	 		GP		100				0.0
SAND, dark brown, fine- to medium-grained, wet, no hydrocarbon-like odors or staining.	-	/ \							0.0
	20					SP			
		Λ		20.0					

REMARKS

SLR SB LOG CROWLEY RIFS BORINGS.GPJ GINT US.GDT 1/16/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

 \subseteq Water level at time of drilling.

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CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER __101.00205.00030 PROJECT LOCATION 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		GP		100			SAND, dark brown, fine- to medium-grained, wet, no hydrocarbon-like odors or staining. (continued)	0.0
		GP	EB-16- 25.0	100				0.0
30		GP	EB-16-	100				0.0
		01	30.0	100	SP			0.0
35		GP	EB-16- 35.0	100				0.0
		GP		100				0.0
40	-	GP	EB-16- 40.0	100				0.
			EB-16- 44.0				44.0 Boring completed at 44.0 feet due to refusal.	0.
PID * = S GP :	= P Sam = So	ple su oil sam	nization de bmitted for ples collec at time of	labora ted by	atory a using	analys g 1.5-iı	is. Other samples collected were archived at the laboratory. nch-diameter acetate liners within the drilling rods.	

REMARKS

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CLIEN	IT .	Crow	ley Marine	Servic	es		PROJECT NAME 8th Avenue Terminals, Inc. Site	
PROJ	EC.	T NUN	IBER 101.	.00205	5.0003	30	PROJECT LOCATION 7400 8th Ave. S, Seattle, WA	
DATE	ST	ARTE	D 6/17/13				LETED 6/17/13 GROUND ELEVATION 15.35' HOLE SIZE 2.125-inch diam	eter
DRILL	INC	G CON	ITRACTOR	ESN	I-NW		GROUND WATER LEVELS:	
DRILL	.INC	S MET	HOD Dire	ct Pus	sh		▼ AT TIME OF DRILLING 11.0 ft	
LOGG	ED	BY	A. Meugnio	t		CHEC	KED BY AFTER DRILLING	
NOTE	S							
o DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	1				SP	7 7 7 7 7	4 ASPHALT.	0.0
	1 / /		EB-17-1.0*			1	GRAVELLY SAND (FILL), brown, fine-grained, some fine to coarse gravel, trace fines, moist, no hydrocarbon-like odors or staining.	0.0
	V				SP	2	SAND (FILL), tan, fine-grained, few to little fine to coarse gravel, few fines, few brick fragments, moist, no hydrocarbon-like odors or staining.	0.0
	$ \lambda $	GP	EB-17-2.5	90	ML	3	SANDY SILT (FILL), brown, some fine-grained sand, little fine gravel, moist, no	0.0
	/						hydrocarbon-like odors or staining. SAND (FILL), brown to dark brown, fine- to medium-grained, trace fine gravel, moist, no	0.0
-	$ \rangle $						hydrocarbon-like odors or staining.	0.0
_ 5					0.0		From 4.5 feet to 5.75 feet: No recovery.	
	N		EB-17- 5.75*		SP			0.0
			3.73					0.0
-	M	GP	EB-17-7.5			7	6	0.0
	$ \Lambda $	GF	LB-17-7.3				SILTY SAND (FILL), gray, fine-grained, some fines, moist to wet, no hydrocarbon-like odors or staining.	0.0
							odolo of staining.	0.0
10	V							
	1		EB-17- 10.0*		SM			0.0
	1 /		10.0				▼ @ 11.0 feet: Becomes wet.	0.0
	V							0.0
	$ \lambda $	GP				1 1 1	SAND, gray, fine-grained, few to little fines, wet, no hydrocarbon-like odors or staining.	
	/							
	$/ \setminus$							
15								
L -	1 /						@ 15.2 feet: Trace fines.	
	M				SP			
	M	GP		100				
-	$ \Lambda $							
	$\ \ $							
20						2	0.0	
							Boring completed at 20.0 feet.	

REMARKS

SLR SB LOG CROWLEY RIFS BORINGS.GPJ GINT US.GDT 1/16/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

		MBER 101			30	PROJECT NAME 8th Avenue Terminals, Inc. Site PROJECT LOCATION 7400 8th Ave. S, Seattle, WA	
DATE ST DRILLING DRILLING LOGGED	G COME G ME D BY	ED 6/17/13 NTRACTOR THOD Dire	_ESN ct Pus t	N-NW sh	CON	GROUND ELEVATION 16.84' HOLE SIZE 2.125-inch diam GROUND WATER LEVELS: AFTER DRILLING 12.0 ft AFTER DRILLING	
O DEPTH (ft) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	GP	EB-24-1.0*	95	GP SP	0 0	ASPHALT. SANDY GRAVEL (FILL), brown, fine to coarse, trace fines, dry to moist, no hydrocarbon-like odors or staining. SAND (FILL), brown, fine- to medium-grained, few fine to coarse gravel, trace fines, moist, no hydrocarbon-like odors or staining.	0.0 0.0 0.0 0.0 2.7
5	GP	EB-24-5.0*	100	SP		@ 4.8 feet: Moderate hydrocarbon-like odors. @ 5.2 feet: No hydrocarbon-like odors or staining. 7.0 SAND (FILL), gray, fine- to medium-grained, trace fine gravel, moist, no hydrocarbon-like odors or staining. 9.0 SAND (FILL), gray, fine-grained, few fines, moist, no hydrocarbon-like odors or staining.	41. 2. 0.0 0.0
	GP	EB-24- 10.0* EB-24- 12.5		SP		@ 12.0 feet: Becomes wet. 3.5 SILTY SAND (FILL), gray, fine-grained, little to some fines, wet, no hydrocarbon-like odors or staining. 14.8 SAND, gray, fine- to medium-grained, trace fines, trace wood fragments, wet, no	0. 0. 0. 0.
	GP			SP		hydrocarbon-like odors or staining.	0.0
* = Sam GP = S	Photoion ple si oil sar	onization de ubmitted for	laborated by	atory a / using	analys g 1.5-iı	Boring completed at 20.0 feet. s. Other samples collected were archived at the laboratory. ich-diameter acetate liners within the drilling rods.	0.0

REMARKS

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

	owley Marine	Service	es		PROJECT NAME 8th Avenue Terminals, Inc. Site	PROJECT NAME 8th Avenue Terminals, Inc. Site			
ROJECT N	IUMBER 101	.00205	5.0003	30	PROJECT LOCATION 7400 8th Ave. S, Seattle, WA	PROJECT LOCATION 7400 8th Ave. S, Seattle, WA			
ATE STAF	RTED 6/10/13	3		COMP	LETED 6/10/13 GROUND ELEVATION 16.93' HOLE SIZE 2.125-inch dia	GROUND ELEVATION _16.93' HOLE SIZE _2.125-inch diameter			
RILLING O	ONTRACTOR	ESN	I-NW		GROUND WATER LEVELS:				
	METHOD _Dire				AT TIME OF DRILLING 12.0 ft				
				CHEC	KED BY AFTER DRILLING				
OTES									
O (ff) (ff) INTERVAL	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION				
\ /				$b \sim C \Gamma$	3 ASPHALT.	7 0			
-\\ /	EB-28-1.0°	+	GP	000	SANDY GRAVEL (FILL), brown, fine to coarse, some fine-grained sand, damp, no hydrocarbon-like odors or staining.	C			
4//			SP	 	SAND (FILL), brown, fine- to medium-grained, damp, no hydrocarbon-like odors or	\exists c			
	P EB-28-2.5	100			\staining. SAND (FILL), dark brown to black, very fine- to fine-grained, some fine gravel, damp,				
					weak hydrocarbon-like odor.	3			
5			0.0						
	EB-28-5.0°	+	SP			0			
-\\ /						'			
4//									
G	iP EB-28-7.5	90		8	0 From 7.5 to 7.7 feet: Red brick.				
7/\			CL		SILTY CLAY (FILL), black, few pieces of charred wood, trace ash, moist, no hydrocarbon-like odors or staining.				
-// \			SP	/////9	From 8.5 feet to 9.0 feet: Wood debris.	/ 0			
10	EB-28-		J.	1	SAND (FILL), brown, very fine- to fine-grained, damp, no hydrocarbon-like odors or staining.	/ c			
_\	10.0*				@ 9.8 feet: Becomes fine- to medium-grained. SILTY SAND (FILL), brown, very fine- to fine-grained, some fines, damp, no	/ ,			
\/					hydrocarbon-like odors or staining.				
- ₆	EB-28-	100	SM		■ @ 12.0 feet: Becomes wet.	0			
-1/1	" 12.5	100				C			
4/ \									
15				1	4.5 SAND, gray, fine- to medium-grained, wet, weak hydrogen sulfide-like odor.	+			
	EB-28- 15.0								
-\\ /	1010					C			
4//			SP			C			
_	iP		J۴						
1/\1									
7/ \						0			
20	EB-28- 20.0	igwdap		2	0.0 Boring completed at 20.0 feet.				
20]					Bonning completed at 20.0 rect.				

REMARKS

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	_C10\	wley Marine	Servic	es		PROJECT NAME 8th Avenue Terminals, Inc. Site					
PROJEC	CT NU	MBER _101	.00205	5.0003	30	PROJECT LOCATION _7400 8th Ave. S, Seattle, WA					
DATE S	TART	ED <u>6/14/13</u>			CON	IPLETED 6/14/13 GROUND ELEVATION 16.88' HOLE SIZE 2.125-inch dia					
DRILLIN	NG CO	NTRACTOR	ESN	NN-I		GROUND WATER LEVELS:					
DRILLIN	NG ME	THOD Dire	ct Pus	sh		AT TIME OF DRILLING 11.0 ft					
OGGE	D BY	A. Meugnio	t		CHE	CKED BY AFTER DRILLING					
NOTES											
O DEPTH (ft) INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	i i				
1	1			SP		0.8 CRAVELLY SAND (ELL) brown fine grained fine to scores gravel maint no	7 0				
-	/	EB-32-1.0*				GRAVELLY SAND (FILL), brown, fine-grained, fine to coarse gravel, moist, no hydrocarbon-like odors or staining.	/ o				
Ĺ <u></u>]	 GP		100			SAND (FILL), brown, fine- to medium-grained, trace to few fine to coarse gravel, trace					
[]	\	EB-32-2.5	100	SP		fines, moist, no hydrocarbon-like odors or staining.	'				
//				"			C				
1											
5				_						4.5 SAND (FILL), gray, fine- to medium-grained, trace fine gravel, moist, weak	
	/	EB-32-5.0*	SP			hydrocarbon-like odor.	0				
	GP		100			@ 5.0 feet: Black staining.	_ 1				
	\			SP		@ 6.0 feet: Cobble fragments in sampler. SAND (FILL), brown, fine- to medium-grained, moist, no hydrocarbon-like odors or	$^{\prime}$				
7/	1	EB-32-7.5				staining.	/ °				
+	-	LB 02 7.0				SAND (FILL), brownish-gray, fine-grained, few to little fines, moist, mottled, no hydrocarbon-like odors or staining.	0				
\	1					, , , , , , , , , , , , , , , , , , , ,					
7\/	/	EB-32- 10.0*				@ 9.0 feet: Becomes brown.					
10	GP		100			@ 9.5 feet: Becomes fine- to medium-grained.	C				
]/\	\					<u> </u>					
/	1					@ 11.0 feet: Becomes wet.	`				
+	1	EB-32-		SP			(
_\	/	12.5*		0.							
[\/							`				
1 1	GP		50			@ 14.0 feet to 17.5 feet: No recovery.					
15											
V											
4/	/					 17.5					
_\\	 GP					SAND, gray, fine- to medium-grained, trace fine gravel, moist, no hydrocarbon-like odors	1				
7/	\ GP			60		or staining.					
\dashv				SP							
1		EB-32- 20.0				20.0					
20						Boring completed at 20.0 feet.					

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DO IEC		ley Marine	Servic	65		PROJECT NAME 8th Avenue Terminals, Inc. Site				
KOJEC	T NUI	MBER _101.	.00205	5.0003	30	PROJECT LOCATION 7400 8th Ave. S, Seattle, WA	PROJECT LOCATION _7400 8th Ave. S, Seattle, WA			
DATE ST	ARTE	ED 6/17/13			CON	PLETED 6/17/13 GROUND ELEVATION 16.91' HOLE SIZE 2.125-inch di				
RILLING	G COI	NTRACTOR	ESN	I-NW		GROUND WATER LEVELS:				
RILLING	G ME	THOD Dire	ct Pus	sh		AT TIME OF DRILLING 11.2 ft				
.OGGED	BY _	A. Meugnio	t		CHE	CKED BY AFTER DRILLING				
NOTES _										
O DEP IH (ft) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (mam)			
1						0.3 ASPHALT.	0.0			
-\/		EB-38-1.0*				SAND (FILL), brown, fine- to medium-grained, little fine to coarse gravel, trace fines, moist, no hydrocarbon-like odors or staining.	0.0			
4				SP		@ 1.5 feet: Cobble fragments in sampler.	0.0			
X	GP	EB-38-2.5	100							
7/\						3.2 SAND (FILL), dark gray to black, fine- to medium-grained, trace fine gravel, trace fines,	0.0			
-//\						moist, weak hydrocarbon-like odor.	0.5			
5		EB-38-5.0*					5.2			
\ /		ED-30-3.0		SP						
		0.			5.7					
	0.0	EB-38-7.5	400				1.3			
	GP		100				1.5			
/\						8.5 SILTY SAND (FILL), grayish-brown, fine-grained, little to some fines, moist, no	0.4			
10						hydrocarbon-like odors or staining.	0.2			
10		EB-38-					0.0			
4/		10.0*	100	SM		Ţ	0.0			
		EB-38- 12.5*					0.0			
	GP						0.0			
1/\							0.0			
-// \						14.5	0.0			
15						SAND, gray, fine- to medium-grained, wet, no hydrocarbon-like odors or staining.	0.0			
1										
7\/							0.0			
-			400	SP			0.0			
$\frac{1}{2}$	GP		100				0.0			
1/\										
							0.0			
20	V					20.0	─ 0.0			

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CLIENT Crowley Marine Services	PROJECT NAME 8th Avenue Terminals, Inc. Site			
PROJECT NUMBER 101.00205.00030	PROJECT LOCATION 7400 8th Ave. S, Seattle, WA			
DATE STARTED 6/10/13 COMPLETED 6/10/13	GROUND ELEVATION 17.03' HOLE SIZE 2.125-inch diameter			
DRILLING CONTRACTOR ESN-NW	GROUND WATER LEVELS:			
DRILLING METHOD _ Direct Push	AT TIME OF DRILLING 12.0 ft			
LOGGED BY A. Meugniot CHECKED BY	AFTER DRILLING			
NOTES				
O DEPTH (ff) INTERVAL TYPE SAMPLE NAME U.S.C.S. GRAPHIC LOG	MATERIAL DESCRIPTION (Edd) O			
GP 0.3 ASPHALT.	0.0			
EB-40-1.0* GP GP GP GRAVEL (ILEL), 9 SANDY GRAVEL (ILEL), 9 hydrocarbon-like o	ray, dry, no hydrocarbon-like odors or staining. (FILL), brown, fine to coarse, some fine-grained sand, damp, no dors or staining. 0.0			
	vn, fine- to medium-grained, trace fine gravel, damp, no dors or staining. es black.			
5 4.8 @ 4.5 feet: Becom	nes dark brown.			
EB-40-5.0* SP ASPHALT. 6.0 SAND (FILL), brow	vn, fine- to medium-grained, damp, no hydrocarbon-like odors or			
GP EB-40-7.5 95 SP	vn, fine-grained, trace to few fines, damp, no odors or staining. 0.0 0.0 0.0			
10 EB-40-	0.0			
	k, fine-grained, damp, no odors or staining. 0.0 0.0 0.0 0.0 0.0			
ML SANDT SIET (FIEL	-J, blown, some line-grained sand, wet, no odors of staining.			
14.0 SAND, gray, fine-	to medium-grained, wet, no odors or staining. 0.0 0.0			
	0.0			
\ GP	0.0			
	0.0			
	0.0			
20 20.0	ot 20.0 foot			
Boring completed	al ZU.U IEEL.			

REMARKS

SLR SB LOG CROWLEY RIFS BORINGS.GPJ GINT US.GDT 1/16/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

 \subseteq Water level at time of drilling.

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CLIEN'	T _(Crow	ley Marine S	Servic	es		PROJECT NAME 8th Avenue Terminals, Inc. Site	
PROJE	СТ	NUN	IBER 101.	00205	5.0003	30	PROJECT LOCATION 7400 8th Ave. S, Seattle, WA	
DATE	STA	ARTE	D 6/14/13			COM	PLETED 6/14/13 GROUND ELEVATION 16.88' HOLE SIZE 2.125-inch diam	neter
DRILLI	NG	CON	ITRACTOR	ESN	I-NW		GROUND WATER LEVELS:	
DRILLI	NG	MET	HOD Dire	ct Pus	sh		AT TIME OF DRILLING 11.8 ft	
LOGG	ED I	BY _	A. Meugnio	t		CHE	CKED BY AFTER DRILLING	
NOTES	S							
O DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
							0.4 ASPHALT.	0.0
	\bigvee		EB-41-1.0*	95	SP		SAND (FILL), brown, fine- to medium-grained, moist, no hydrocarbon-like odors or staining. 2.0	0.0
	\mathbb{N}	GP	EB-41-2.5	95	SP		SAND (FILL), brown to dark brown, fine-grained, few cobbles, moist, no hydrocarbon-like odors or staining.	0.2
	1				SP		SAND (FILL), brown, fine- to medium-grained, moist, no hydrocarbon-like odors or	0.0
5		GP	EB-41-5.0*	100	SP		SAND (FILL), dark brown, fine-grained, trace fine gravel, moist, no hydrocarbon-like odors or staining. @ 4.8 feet: Weak hydrocarbon-like odors. @ 5.2 feet: Becomes brown, few fine gravel, no hydrocarbon-like odors or staining.	0.0 0.5 0.0 0.2
	′ ∖		EB-41-7.5				@ 6.8 feet: Cobble fragments in sampler. SAND (FILL), grayish-brown to brown, fine-grained, trace to few fines, moist, no	0.2
10		GP	EB-41- 10.0*	100	SP		hydrocarbon-like odors or staining. 9.0 SAND (FILL), brown, fine-grained, trace fines, moist, no hydrocarbon-like odors or staining. @ 10.0 feet: Becomes fine- to medium-grained.	0.0 0.0 0.0 0.0
			EB-41-				@ 11.8 feet: Becomes wet.	0.0
		GP	12.5	90			14.2 SILTY SAND (FILL), brownish-gray, fine-grained, some fines, trace fine gravel, wet, no	0.0
15	\mathbb{N}		EB-41- 15.0*		SM		15.2 hydrocarbon-like odors or staining.	0.0
_	+		10.0		SP		SAND , dark brown, fine- to medium-grained, trace fines, wet, no hydrocarbon-like odors or staining. 16.5	0.0
	\bigvee	GP		90			SAND, gray, fine- to coarse-grained, wet, no hydrocarbon-like odors or staining.	0.0
	\setminus	Gr		90	SW			0.0
20			EB-41-				20.0	0.0
			20.0				Boring completed at 20.0 feet.	

REMARKS

SLR SB LOG CROWLEY RIFS BORINGS.GPJ GINT US.GDT 1/16/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Duplicate sample EB-91-10.0' was collected over the same interval as sample EB-41-10.0'.

^{abla} Water level at time of drilling.

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CLIENT	Crow	ley Marine S	Servic	es		PROJECT NAME 8th Avenue Terminals, Inc. Site	
PROJEC	T NUN	/IBER _101.	00205	5.0003	30	PROJECT LOCATION 7400 8th Ave. S, Seattle, WA	
DATE ST	ARTE	D 6/10/13			COM	PLETED 6/10/13 GROUND ELEVATION 16.67' HOLE SIZE 2.125-inch diam	neter
DRILLING	G CON	NTRACTOR	ESN	I-NW		GROUND WATER LEVELS:	
DRILLING	G ME1	HOD Dire	ct Pus	h		AT TIME OF DRILLING 12.5 ft	
LOGGED	BY	A. Meugnio	t		CHE	CKED BY AFTER DRILLING	
NOTES							
O DEPTH (ft) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
\ /					$b \sim \langle 1 \rangle$	0.3 ASPHALT. SANDY GRAVEL (FILL), brown, fine to coarse, some fine-grained sand, damp, no	0.0
├ <i>-</i> <i>\ </i>		EB-45-1.0*		GP		hydrocarbon-like odors or staining.	0.0
	GP	EB-45-2.5	90			SAND (FILL) , brown, fine-grained, trace fine gravel, trace fines, damp, no hydrocarbon-like odors or staining.	0.0
				SP			0.0
├ ╢						4.5 @ 4.0 feet: Becomes fine- to medium-grained.	0.0
5		EB-45-5.0*		SP		SAND (FILL) , black, fine-grained, few fine gravel, trace fines, damp, no hydrocarbon-like odors or staining.	0.0
\/						SAND (FILL), brown, very fine- to fine-grained, trace to few fine gravel, trace fines, damp,	0.0
	GP	EB-45-7.5*	80			no hydrocarbon-like odors or staining.	0.0
	Oi	LD-43-7.5	00			From 7.8 to 7.9 feet: Brick fragments. @ 8.0 feet: Charred wood fragments.	0.0
├ - /\							0.0
10		EB-45- 10.0*		SP			0.0
\/		10.0				@ 11.0 feet: Few fines.	0.0
	GP	EB-45- 12.5*	100			 @ 12.0 feet: Becomes fine- to medium-grained. @ 12.5 feet: Becomes wet.	0.0
							0.0
//\						SILTY SAND (FILL), gray, very fine- to fine-grained, little to some fines, wet, no	0.0
15				SM		15.0 hydrocarbon-like odors or staining.	0.0
						SAND , gray, fine- to medium-grained, trace to few fine gravel, wet, no hydrocarbon-like odors or staining.	
							0.0
	GP			SP			0.0
<u> </u>							0.0
20						20.0	
	1				<u> </u>	Boring completed at 20.0 feet.	0.0

REMARKS

SLR SB LOG CROWLEY RIFS BORINGS.GPJ GINT US.GDT 1/16/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

 \subseteq Water level at time of drilling.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIE	NT	Crow	ley Marine	Servic	es		PROJECT NAME 8th Avenue Terminals, Inc. Site	
PRO.	JEC	T NUN	/IBER _101.	.0020	5.0003	30	PROJECT LOCATION 7400 8th Ave. S, Seattle, WA	
DATE	ST	ARTE	D 6/14/13			COM	PLETED 6/14/13 GROUND ELEVATION 16.89' HOLE SIZE 2.125-inch diam	neter
DRIL	LIN	G CON	NTRACTOR	ESN	N-NW		GROUND WATER LEVELS:	
DRIL	LIN	G MET	HOD Dire	ct Pus	sh		AT TIME OF DRILLING 11.0 ft	
LOG	GED	BY _	A. Meugnio	t		CHE	CKED BY AFTER DRILLING	
NOTES								
O DEPTH	INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	1						0.4 ASPHALT. SAND (FILL), brown, fine- to medium-grained, trace to few fine gravel, moist, no	0.3
	1\/		EB-46-1.0*		SP		hydrocarbon-like odors or staining.	0.0
	1 1	GP		100			SAND (FILL), dark gray to black, fine-grained, trace fines, trace brick fragments, moist, weak hydrocarbon-like odor.	12.5
			EB-46-2.5*				weak nydrocarbon-like odor.	
	1/\							8.1
5 		GP		0	SP		From 4.0 to 8.0 feet: No recovery.	
	1		EB-46-8.0*					0.0
	-1\/						9.0 SAND (FILL), brown, fine-grained, trace fines, moist, mottled, no hydrocarbon-like odors	0.0
10	1	GP	EB-46-	80	SP		or staining.	0.0
	$ \Lambda $	0.	10.0*	00			10.8] 0.0
	1/1				SM		SILTY SAND (FILL), gray, fine-grained, moist, no hydrocarbon-like odors or staining. @ 11.0 feet: Becomes wet.	0.0
			EB-46-				SAND, gray, fine- to medium-grained, trace to few fines, wet, no hydrocarbon-like odors or	0.0
	4\/		12.5				staining.	0.0
	IV	CD		100	SP			0.0
15		GP		100	35			0.0
	7/\							0.0
	1						Boring completed at 16.0 feet.	0.0
							· • · · · · · · · · · · · · · · · · · ·	

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIEN	Γ_(Crow	ley Marine S	Service	es			PROJECT NAME 8th Avenue Terminals, Inc. Site	
PROJE	СТ	NUN	IBER _101.	00205	.0003	0		PROJECT LOCATION 7400 8th Ave. S, Seattle, WA	
DATE S	STA	RTE	D 6/10/13			COM	PLETED _6/10/13	GROUND ELEVATION 16.90' HOLE SIZE 2.125-inch diame	eter
DRILLI	NG	CON	ITRACTOR	ESN	-NW			GROUND WATER LEVELS:	
DRILLI	NG	MET	HOD Direc	ct Pusi	h			TAT TIME OF DRILLING 11.8 ft	
LOGGE	ED I	BY _	A. Meugniot	t		CHE	CKED BY	AFTER DRILLING	
NOTES	_								
O DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION	PID (ppm)
				ŀ			0.4 ASPHALT.	LL), brown, some fine to coarse gravel, trace fines, damp, no	0.0
	1		EB-47-1.0*		SP		hydrocarbon-like odors		0.0
'	VI				Oi				0.0
	\mathbb{N}	GP	EB-47-2.5	90	SP		SAND (FILL), brown, fi hydrocarbon-like odors	ne- to medium-grained, trace fine gravel, trace fines, damp, no sor staining.	0.0
//							SILTY SAND (FILL), da	ark gray, very fine- to fine-grained, some fines, damp, weak	0.0
5	\						hydrocarbon-like odors	S	
			EB-47-5.0*		SM				0.2
\	\mathbb{I}						6.5		0.2
	\mathbb{V}	0.0	ED 47.7.5	100	SP			ne-grained, damp, no hydrocarbon-like odors or staining.	0.2
	\mathbb{N}	GP	EB-47-7.5	100	SP			ery fine- to fine-grained, damp, no hydrocarbon-like odors or	0.0
					0.		9.5		0.0
10	+		EB-47-					rownish-gray, very fine- to fine-grained, some fines, damp, no s or staining.	0.0
	1		10.0*		SM			brown, very-fine grained.	0.0
	VI		EB-				■ @ 11.8 feet: Becomes	wet.	0.0
_	M	GP	47.12.5	100			13.0		0.0
	/\			-	SP			e- to medium-grained, wet, no hydrocarbon-like odors or staining. very fine-grained, wet, no hydrocarbon-like odors or staining.	
- 1	1				SP		14.5	, , ,	0.0
15	+		EB-47-				SAND , dark gray, fine-	to medium-grained, wet, no hydrocarbon-like odors or staining.	0.0
	1		15.0						0.0
	\mathbb{V}	GP			SP				0.0
	M	٠.							0.0
_									0.0
20			EB-47-				20.0		
1			20.0				Boring completed at 20	0.0 feet.	0.0/

REMARKS

SLR SB LOG CROWLEY RIFS BORINGS.GPJ GINT US.GDT 1/16/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Duplicate sample EB-81-2.5' collected at interval of sample EB-47-2.5'.

^{abla} Water level at time of drilling.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIEN	NT _	Crow	ley Marine	Servic	es		PROJECT NAME 8th Avenue Terminals, Inc. Site	
PROJ	IEC	T NUI	IBER 101	.0020	5.0003	30	PROJECT LOCATION 7400 8th Ave. S, Seattle, WA	
DATE	ST	ARTE	D 6/14/13	}		COM	PLETED 6/14/13 GROUND ELEVATION 16.83' HOLE SIZE 2.125-inch diam	eter
DRILI	LINC	G COI	NTRACTOR	ESN	N-NW		GROUND WATER LEVELS:	
DRILI	LINC	3 MET	THOD Dire	ct Pus	sh		AT TIME OF DRILLING N/A	
1							CKED BY AFTER DRILLING	
l								
	_							
O DEPTH (ft)	INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	1						0.4 ASPHALT.	0.0
	$\frac{1}{2}$		EB-50-1.0*		SP		1.0 GRAVELLY SAND (FILL) , brown, fine-grained, some fine to coarse gravel, moist, no hydrocarbon-like odors or staining.	0.0
	W	GP		100			SAND (FILL), brown, fine- to medium-grained, few fine gravel, trace fines, moist, no	0.0
	\mathbb{N}	GF	EB-50-2.5'		0.0		hydrocarbon-like odors or staining.	0.0
	╢╢				SP			0.0
L.								0.0
l _	1 /						4.5	0.0
5	1 / /		EB-50-5.0*				GRAVELLY SAND (FILL) , brown, fine-grained, little to some fine to coarse gravel, moist, no hydrocarbon-like odors or staining.	0.0
L -	1	GP					@ 5.8 feet: Becomes gray, trace fines.	0.4
	$ \Lambda $	O.			SP		@ 6.0 feet: Becomes black, weak hydrocarbon-like odor.	0
-	{/ \I				38		@ 6.5 feet: No hydrocarbon-like odors or staining.	0.0
L.	$ \rangle$		EB-50-7.5*				@ 7.2 feet: Wood fragments.	0.0
	NΛ							0.5
	{X}	GP		90		9 (1997)	9.0 CONCRETE DEBRIS.	0.0
10	\mathbb{N}						10.0	

Boring completed at 10.0 feet due to refusal.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIE	ΝΙ.	Crow	iey iviarine	Servic	es		PROJECT NAME 8th Avenue Terminals, Inc. Site	
PRO	IEC	T NUI	/IBER _101.	.00205	5.0003	30	PROJECT LOCATION _7400 8th Ave. S, Seattle, WA	
DATE	ST	ARTE	D 6/13/13			COM	PLETED 6/13/13 GROUND ELEVATION 16.71' HOLE SIZE 2.125-inch diame	ter
DRIL	LING	G COI	NTRACTOR	ESN	N-NW		GROUND WATER LEVELS:	
DRIL	LING	ME1	THOD Dire	ct Pus	sh		AT TIME OF DRILLING N/A	
LOG	GED	BY	A. Meugnio	t		CHE	CKED BY AFTER DRILLING	
NOTE	S							
o DEPTH (ft)	INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
							ADITIALI.	0.1
	$\frac{1}{2}$		EB-51-1.0*		SP		GRAVELLY SAND (FILL) , brown, fine-grained, some fine to coarse gravel, trace fines, moist, no hydrocarbon-like odors or staining.	0.0
	\mathbb{W}						2.0 SAND (FILL), brown, fine-grained, trace fines, trace fine gravel, moist, no hydrocarbon-like	0.0
]	GP	EB-51-2.5	95			odors or staining.	0.0
 5	$\frac{1}{2}$				SP		From 4.5 to 4.7 feet: Becomes black, weak hydrocarbon-like odors	0.0 3.3 5.6
			EB-51-5.0*					5.0
	$\parallel \parallel$							4.0
						44444	7.0 @ 6.5 feet: Brick fragments.	31.6
		GP	EB-51-7.5*		CL- ML		SILTY CLAY (FILL), gray to black, few fine-grained sand in layers, moist, strong hydrocarbon-like odors.	547.7
10	$\left \cdot \right $		EB-51-		SP	11111	SAND (FILL), grayish-brown to black, fine-grained, trace fines, trace fine gravel, moist, moderate hydrocarbon-like odors.	18.2 37.0
			10.0*				Boring completed at 10.0 feet due to refusal.	<u> </u>

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

 $\overline{igspace}$ Water level at time of drilling.

PAGE 1 OF 2

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

DDO IECT NUMBER	ine Servic		20		PROJECT NAME 8th Avenue Termin		
PROJECT NUMBER					PROJECT LOCATION 7400 8th Ave		,
					GROUND ELEVATION 16.65' GROUND WATER LEVELS:	_ HOLE S	oı∠E ช-ınch diameter
				em Auger	_		
				CKED BY			
					A TENDICENS		
10120							
O DEPTH (ft) INTERVAL TYPE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG		TERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
		GP	000	0.5 GRAVEL.			Concrete
GP EMW-	1S- 50	SP		GRAVELLY SAND (FIL	LL) , brown, fine-grained, some fine ocarbon-like odors or staining.	0.0	Hydrated bentonite
- GP 2.5				@ 3.0 feet: Cobble fra	gments in sampler.	0.0	chips
5				From 3.8 to 4.0 feet: B GRAVELLY SAND, bro some fine gravel, mois	Brick fragments. Down, fine- to medium-grained, little to st, no hydrocarbon-like odors or stainin		2"-diameter Sch. 40 PV blank riser
5.0	-	SP		@ 5.0 feet: Becomes t	fine-grained.	0.0	
				7.0 SAND, dark brown, fin moist, no hydrocarbon	e- to medium-grained, trace fine grave -like odors or staining.	0.3	
		SP		8.8 SILTY SAND, gray, ve	ry fine- to fine-grained, moist, no	0.2	10x20 silica sand pack
				hydrocarbon-like odors	s or staining.		
10 EMW-10.0		_		From 10.0 feet to 13.0	feet: No recovery.		
GP	25	SM		T		0.0	2"-diamete Sch. 40 PV 0.010"-slott screen
15						0.0	
EMW-				From 15.0 feet to 19.0	feet: No recovery.		
	ا ر					0.0	

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

Perched groundwater level at time of drilling.

PAGE 2 OF 2

end cap

SLR

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030

PROJECT LOCATION 7400 8th Ave. S, Seattle, WA

1									
DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
20					SM		SILTY SAND, gray, very fine- to fine-grained, moist, no hydrocarbon-like odors or staining. (continued) 20.0		2"-diameter
									Sch. 40 PVC

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser. 5.0 to 19.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.

19.8 to 20.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.

1.0 to 3.0 feet: Hydrated bentonite chips. 3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory. GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods. Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

WELL NUMBER EMW-2S

PROJECT NAME 8th Avenue Terminals, Inc. Site

PAGE 1 OF 2

CLIENT Crowley Marine Services

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJECT NUMBER	101.0020	5.0003	30	PROJECT LOCATION _7400 8th Ave. S, Seattle, WA			
DATE STARTED 6/1	7/13		COMPLETED 6/17/13	GROUND ELEVATION 12.92' HOLE SIZE 8-inch diameter			
ORILLING CONTRAC	TOR ESI	N-NW		GROUND WATER LEVELS:			
DRILLING METHOD	Direct Pu	sh/Holl	ow-Stem Auger				
			CHECKED BY	AFTER DRILLING			
NOTES				_			
O DEPTH (ft) INTERVAL TYPE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM	
			CONCRETE.			- Concrete	
-		GP	sand, moist, no hyd	FILL), fine to coarse, some fine-grained drocarbon-like odors or staining.	0.0	Hydrated	
GP EMW-	-		SAND (FILL), brown hydrocarbon-like od	n, fine-grained, trace fines, moist, no dors or staining.	0.0	bentonite chips	
5		SP			0.0	2"-diameter Sch. 40 PVC blank riser	
5.0					0.0		
_\\\ _\\\\ EMW-7.6	-		7.0 @ 6.5 feet: Become	es wet. b, brown, fine-grained, some fines, few	0.0		
GP -	80			oist, no hydrocarbon-like odors or staining.	0.0	10x20 silica sand pack	
10 EMW	-28-	SM			0.0		
10.0			@ 10.8 feet: Becom	nes brownish-gray.	0.0		
GP EMW-			▼ 12.8		0.0		
- 12.			SAND, brownish-gra	ay to gray, fine-grained, few to little fines, n-like odors or staining.	0.0		
15		SP			0.0		
15					0.0		
/ \			Elia de T			The first state of the state of	

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

Perched groundwater level at time of drilling.

WELL NUMBER EMW-2S

PAGE 2 OF 2

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030

PROJECT LOCATION _7400 8th Ave. S, Seattle, WA

DEPTH (ft)	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL I	DIAGRAM
	GP			SP	18.2	SAND, brownish-gray to gray, fine-grained, few to little fines, wet, no hydrocarbon-like odors or staining. (continued)	0.0		2"-diameter Sch. 40 PVC 0.010"-slotted
20				SP	20.0	SAND , gray, fine- to medium-grained, trace fines, wet, no hydrocarbon-like odors or staining.	0.0		2"-diameter Sch. 40 PVC
						Boring completed at 20.0 feet.	(0.0	′	end cap

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser.
4.8 to 19.6 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.

19.86 to 19.8 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.

1.0 to 3.0 feet: Hydrated bentonite chips. 3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory. GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods. Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

WELL NUMBER EMW-3S

PROJECT NAME 8th Avenue Terminals, Inc. Site

PAGE 1 OF 2

CLIENT Crowley Marine Services

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJ	EC.	r NUN	/IBER _101.	00205	5.0003	30		PROJECT LOCATION 7400 8th Ave. S, Seattle, WA			
DATE	ST	ARTE	D 6/11/13			COM	PLETED 6/11/13	GROUND ELEVATION 16.92'	HOLE S	IZE 8-inch diameter	
DRILL	INC	CON	NTRACTOR	ESN	I-NW			GROUND WATER LEVELS:			
DRILL	INC	ME1	HOD Dire	ct Pus	h/Hol	low-St	em Auger	▼ AT TIME OF DRILLING 13	.8 ft		
LOGG	ED	BY	A. Meugnio	t		CHE	CKED BY	AFTER DRILLING			
NOTE	S										
DEPTH (#)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MA ⁻	FERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM	
			EMW-3S- 1.0*		SP		GRAVELLY SAND (FII coarse gravel, trace fir odors or staining.	LL) , brown, fine-grained, some fine nes, dry to moist, no hydrocarbon-li	0.0	⊸ Concrete	
		GP	EMW-3S- 2.5	100	SP		SAND (FILL), brown, f	ine-grained, trace fine gravel, trace carbon-like odors or staining.	0.0	Hydrated bentonite chips	
_ 5			EMW-3S- 5.0*				6.0		0.0	Sch. 40 PVC blank riser	
		GP	EMW-3S- 7.5	80	SP		GRAVELLY SAND (FII to coarse gravel, mois	LL), brown, very fine-grained, some t, no hydrocarbon-like odors or sta	e fine	+ 10x20 silica	
			EMM 20				SAND (FILL), brown, we charred wood fragmen staining.	ery fine-grained, few fines, trace its, moist, no hydrocarbon-like odo	rs or 0.0	sand pack	
			EMW-3S- 10.0*		SP		From 11.0 to 11.5 feet	: Wood fragments.			
		GP	EMW-3S- 12.5	50			From 12.5 feet to 15.0	feet: No recovery.	0.0	2"-diameter Sch. 40 PVC 0.010"-slotted screen	
 15					SM		hydrogen sulfide-like o	idor.	0.0		
	X		EMW-3S- 15.0*						0.0		
REI	ИΔ	RKS									

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Well installed after Geoprobe boring by using a hollow-stem auger drill rig.



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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030

PROJECT LOCATION _7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S. GRAPHIC	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
	-	GP	EMW-3S- 20.0	100	SM	SILTY SAND (FILL), gray, fine-grained, some fines, wet, hydrogen sulfide-like odor. (continued) 20.0 Boring completed at 20.0 feet.	0.0 0.0 0.0 0.0	2"-diameter Sch. 40 PVC
Boning completed at 20.0 feet.								

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser. 5.0 to 19.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.

19.8 to 20.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.

1.0 to 3.0 feet: Hydrated bentonite chips. 3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory. GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods. Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

	-		ley Marine S								
			IBER <u>101</u> .					PROJECT LOCATION 7400 8th Ave	S, Seattle	, WA	
DATE	ST	ARTE	D 6/17/13			COM	PLETED 6/17/13	GROUND ELEVATION _17.01'	_ HOLE S	SIZE 8-inch diameter	
								GROUND WATER LEVELS:			
DRILL	INC	G MET	HOD Dire	ct Pus	h/Hol	low-St	em Auger	AT TIME OF DRILLING _15.0 ft			
LOGG	ED	BY _	C. Lee/A. N	leugni	ot	CHE	CKED BY	AFTER DRILLING			
NOTE	S										
o DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG		TERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM	
						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.0	⊸ Concrete	
-	1	GP	EMW-4D-	100	GP			L), brown, fine to coarse, little fine- to very moist, no hydrocarbon-like odors	or 0.0		
			2.5*				SAND (FILL), light bro hydrocarbon-like odor	own, fine-grained, moist, no s or staining.	0.0		
5			EMW-4D- 5.0*		SP				0.0		
		GP		50					0.0		
			EMW-4D- 7.5*			000	7.5 GRAVEL (FILL), gray,	fine, few fine- to coarse-grained sand, n-like odors or staining.			
10		GP		0			From 8.0 to 12.0 feet: sampler.	Rock fragments and gravel blocked			
			EMW-4D- 12.5				14.0		0.0	Hydrated bentonite	
15		GP	EMW-4D- 15.0	100	SP	00	wet, trace wood fragm	own to dark gray, fine-grained, moist to nents, weak hydrocarbon-like odors.	0.0	chips	
	$ \rangle$				ML		15.5		3.2		
							I				

REMARKS

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER _101.00205.00030

PROJECT LOCATION 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
-	-				ML		SANDY SILT, dark gray, wet, trace wood fragments, weak hydrocarbon-like odors. (continued) 18.0	0.0	
20		GP		100			SAND, dark gray, fine- to coarse-grained, wet, no hydrocarbon-like odors or staining	0.0	
_20	-		EMW-4D- 20.0					0.0	
-	-	GP		100	SW			0.0	
25	_		EMW-4D- 25.0					0.0	2"-diameter Sch. 40 PV(blank riser
-	-	GP		100			SAND, dark gray, fine- to medium-grained, wet, no hydrocarbon-like odors or staining.	0.0	
-	-		510W 45		SP			0.0	
30	- / /	GP	EMW-4D- 30.0	100				0.0	
PID * = S GP : Well	= Pl Sam = So ins	ple su oil san talled	nples collec	laborated by robe b	atory a using oring	g 1.5-ir by usir	s. Other samples collected were archived at the laboratory. ich-diameter acetate liners within the drilling rods. ig a hollow-stem auger drill rig on 6/21/13.		

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.

PAGE 3 OF 4



22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER __101.00205.00030 PROJECT LOCATION 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
		GP		100			SAND , dark gray, fine- to medium-grained, wet, no hydrocarbon-like odors or staining. (continued)	0.0	
35			EMW-4D- 35.0		SP		@ 35.0 feet: Refusal with direct push drilling method; remaining depth logged from hollow-stem auger cuttings at time of well installation.	5.5	
- - - 45_									2"-diameter Sch. 40 PVC 0.010"-slotte screen
PID * = S GP : Well	= P Sam = So I ins	ple su oil san talled	nization de Ibmitted for	laborated by robe b	atory a using oring	g 1.5-in by usir	s. Other samples collected were archived at the laboratory. ich-diameter acetate liners within the drilling rods. in a hollow-stem auger drill rig on 6/21/13.		

REMARKS

PAGE 4 OF 4

end cap

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030

PROJECT LOCATION _7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
 50				SP	50.0	SAND , dark gray, fine- to medium-grained, wet, no hydrocarbon-like odors or staining. (continued)		2"-diameter
						Boring completed at 50.0 feet.		Sch. 40 PVC

WELL COMPLETION DETAILS:

0.3 to 40.0 feet: 2"-diameter Sch. 40 PVC blank riser. 40.0 to 49.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.

49.8 to 50.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 2.0 feet: Concrete.

2.0 to 38.0 feet: Hydrated bentonite chips. 38.0 to 50.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory. GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods. Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.

WELL NUMBER EMW-5S

PAGE 1 OF 2

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

	_		ley Marine			20		PROJECT NAME 8th Avenue Terminals, Inc. Site PROJECT LOCATION 7400 8th Ave. S, Seattle, WA			
			/IBER 101.					•	•		
							PLETED 6/13/13 GROUND ELEVATION 1		TOLE SIZ	E o-inch diameter	
							GROUND WATER LEVEL:				
				τ		CHE	CKED BY AFTER DRILLING _				
NOTE	:S _										
о DEPTH О	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		PID (ppm)	WELL DIAGRAM	
						00(0.3 ASPHALT.		0.3	Concrete	
	-\/		EMW-5S- 1.0*		GP		SANDY GRAVEL (FILL), brown, fine to coarse, so fine-grained sand, trace to few fines, moist, no hy odors or staining.		0.0		
		GP	EMW-5S- 2.5	60	SP		GRAVELLY SAND (FILL), brown, fine-grained, so coarse gravel, trace fines, moist, no hydrocarbon		0.0	Hydrated bentonite chips	
-	\mathbb{A}		2.5				staining. SAND (FILL), brown, fine- to medium-grained, tra	noo finoo	0.0	Criipa	
 _ 5					SP		moist, no hydrocarbon-like odors or staining. From 3.0 feet to 6.5 feet: No recovery.	ace lines,		2"-diameter Sch. 40 PVC blank riser	
 		GP	EMW-5S- 6.5 EMW-5S- 7.5*	70	SP		From 6.5 feet to 6.8 feet: Brick and charred wood ash. @ 6.8 feet: Cobble fragments in sampler. SAND (FILL), brown, fine- to medium-grained, me hydrocarbon-like odors or staining. @ 8.0 feet: Becomes fine-grained; becomes browns.	oist, no wnish-gray.	0.0 0.0 0.0	10x20 silica sand pack	
10			ENAVA 50				SILTY SAND (FILL) , brownish-gray, fine-grained, moist, no hydrocarbon-like odors or staining.	, some fines,	0.0		
			EMW-5S- 10.0*		SM		12.0		0.0		
	_	GP	EMW-5S- 12.5	100			▼ SAND, gray, fine- to medium-grained, moist to we no hydrocarbon-like odors or staining. ② 12.2 feet: Becomes wet.	et, mottled,	0.0	2"-diameter Sch. 40 PVC 0.010"-slotted screen	
-	$\ \cdot\ $				SP				0.0		
15	Ш						@ 14.5 feet: Few fines.		0.0		
	M										
DEI	VЛ	PKG	1						<u>1 1- '</u>		

KEIVIAKKS

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Well installed after Geoprobe boring by using a hollow-stem auger drill rig.



PAGE 2 OF 2

end cap

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030

PROJECT LOCATION _7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
							SAND , gray, fine- to medium-grained, moist to wet, mottled, no hydrocarbon-like odors or staining. <i>(continued)</i>	0.0	
		GP		100	SP			0.0	
-	$\frac{1}{2}$							0.0	
									2"-diameter Sch. 40 PVC

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser. 5.0 to 19.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.

19.8 to 20.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.

1.0 to 3.0 feet: Hydrated bentonite chips. 3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory. GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods. Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

WELL NUMBER EMW-6S

PAGE 1 OF 2

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services	PROJECT NAME 8th Avenue Terminals, Inc. Site			
PROJECT NUMBER _101.00205.00030	PROJECT LOCATION _7400 8th Ave. S,	Seattle,	WA	
DATE STARTED 6/12/13 COMPLETED 6/12/13		HOLE S	SIZE 8-inch diameter	
DRILLING CONTRACTOR ESN-NW	GROUND WATER LEVELS:			
DRILLING METHOD _Direct Push/Hollow-Stem Auger	▼ AT TIME OF DRILLING 11.5 ft			
LOGGED BY A. Meugniot CHECKED BY	AFTER DRILLING			
NOTES	_			
NA NECO GRAGE	ATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM	
0.4 ASPHALT.	THE NAME OF THE PARTY OF THE PA	0.4	Concrete	
EMW-6S- 1.0*	FILL), brown, fine-grained, some fine to , no hydrocarbon-like odors or staining.	0.3	Concrete	
	ragments in sampler.	0.3	Hydrated bentonite chips	
From 3.2 to 3.5 feet 4.5 SAND (FILL), dark b	rown, fine- to medium-grained, moist, no	0.0	2"-diameter Sch. 40 PVC blank riser	
hydrocarbon-like odd @ 4.8 feet: Charred	ors or staining.	0.0		
SP SP SP SP SP SP SP SP		0.0		
N		0.0	10x20 silica sand pack	
SILTY SAND, gray, f	ine-grained, some fines, moist to wet, thin o medium-grained sand, no ors or staining.	0.0		
Inverse		0.0		
@ 11.5 feet: Become		0.0	2"-diameter	
@ 12.5 feet: Wood f	ragments.	0.0	Sch. 40 PVC 0.010"-slotted screen	
15 S S S S S S S S S S S S S S S S S S S		0.0		
		0.0		

REMARKS

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

WELL NUMBER EMW-6S

PAGE 2 OF 2

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030

PROJECT LOCATION _7400 8th Ave. S, Seattle, WA

DEPTH (ft) INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
	GP		100	SM		SILTY SAND, gray, fine-grained, some fines, moist to wet, thin laminations of fine- to medium-grained sand, no hydrocarbon-like odors or staining. (continued) 18.5	0.0	
20				SP		SAND, gray, fine- to medium-grained, trace fines, wet, no hydrocarbon-like odors or staining.	0.0	2"-diameter
\A/ELI	CO1	IDI ETIOI	N DE	T A 11	0.	Boring completed at 20.0 feet.		Sch. 40 PVC end cap

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser. 5.0 to 19.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.

19.8 to 20.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.

1.0 to 3.0 feet: Hydrated bentonite chips. 3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory. GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods. Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

WELL NUMBER EMW-7S

PAGE 1 OF 2

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services	PROJECT NAME 8th Avenue Terminals, Inc. Site				
PROJECT NUMBER 101.00205.00030	PROJECT LOCATION _7400 8th Ave. S, Seattle, WA				
DATE STARTED 6/13/13 COMPLETED 6/13/13	GROUND ELEVATION 17.12' HOLE SIZE 8-inch diameter				
DRILLING CONTRACTOR ESN-NW	GROUND WATER LEVELS:				
DRILLING METHOD _ Direct Push/Hollow-Stem Auger	▼ AT TIME OF DRILLING 12.5 ft				
LOGGED BY A. Meugniot CHECKED BY	AFTER DRILLING				
NOTES					
NECO'N RECO'N TECO'N AND THE CONTROL OF THE CONTROL	ATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM		
EMW-7S- 1.0* 0.3 ASPHALT. GRAVELLY SAND (F gravel, moist, weak F	ILL) , fine-grained, some fine to coarse hydrocarbon-like odors.	0.7	⊸ Concrete		
GP 95 SP @ 2.2 feet to 3.0 fee	t: Cobbles.	2.7	Hydrated bentonite chips		
SAND, brown, fine- to hydrocarbon-like odd	o medium-grained, moist, no rs or staining.	0.0	2"-diameter Sch. 40 PVC blank riser		
EMW-7S- 5.0*		0.0			
GP EMW-7S- 100 7.5		0.0	10x20 silica sand pack		
	medium-grained, trace to few fines, moist,	0.0			
SP	odors or staining.	0.0			
GP EMW-7S- 12.5 EMW-7S- 12.5 EMW-7S- 12.5 EMW-7S- 12.5 EMW-7S- 12.2 SILTY SAND, browni to wet, no hydrocarbe @ 12.5 feet: Become	sh-gray, fine-grained, some fines, moist on-like odors or staining. es wet.	0.0	2"-diameter Sch. 40 PVC 0.010"-slotted screen		
		0.0			
DEMADICE		1	C		

REMARKS

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

WELL NUMBER EMW-7S

PAGE 2 OF 2

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 PROJECT LOCATION _7400 8th Ave. S, Seattle, WA

DEPTH (ft) INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
	GP			SM		SILTY SAND, brownish-gray, fine-grained, some fines, moist to wet, no hydrocarbon-like odors or staining. <i>(continued)</i> 17.5	0.0	
	GP			SP		SAND , dark gray, fine- to medium-grained, trace fine gravel, wet, no hydrocarbon-like odors or staining.	0.0	
20		IDI ETIOI				20.0 Boring completed at 20.0 feet.	0.0	2"-diameter Sch. 40 PVC end cap

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser. 5.0 to 19.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.

19.8 to 20.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.

1.0 to 3.0 feet: Hydrated bentonite chips. 3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory. GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods. Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

WELL NUMBER EMW-8S

PAGE 1 OF 2

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services	PROJECT NAME 8th Avenue Terminals, Inc. Site				
PROJECT NUMBER 101.00205.00030	PROJECT LOCATION 7400 8th Ave. S, Seattle, WA				
DATE STARTED 6/12/13 COMPLETED 6/12/13	GROUND ELEVATION 16.97'	HOLE SI	ZE 8-inch diameter		
DRILLING CONTRACTOR ESN-NW	GROUND WATER LEVELS:				
DRILLING METHOD Direct Push/Hollow-Stem Auger	AT TIME OF DRILLING 12.0 ft				
LOGGED BY A. Meugniot CHECKED BY	AFTER DRILLING				
NOTES	_				
NA NECO GRAGE GRAG	ATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM		
EMW-8S- SP coarse gravel, trace	FILL), brown, fine-grained, some fine to fines, moist, no hydrocarbon-like odors or	0.0	≺ Concrete		
GP EMW-8S- 2.5 SP SP 1.5 Scaling. SAND (FILL), brown, coarse gravel, moist	, fine- to medium-grained, few fine to , no hydrocarbon-like odors or staining.	0.0	Hydrated bentonite chips 2"-diameter Sch. 40 PVC		
U.U by dropping like add	black, very fine-grained, moist, weak	0.0	blank riser		
	ie- to medium-grained, trace fines, moist,	0.0	10x20 silica sand pack		
	fine-grained, some fines, moist, no	0.0			
hydrocarbon-like odd	ora or alanınıy.	0.0			
GP EMW-8S- 12.5 80 SM @ 12.0 feet: Become	es wet.	0.0	2"-diameter Sch. 40 PVC 0.010"-slotted screen		
15 SAND, dark gray, fin hydrocarbon-like odd	e- to medium-grained, trace fines, wet, no ors or staining.	0.0			
PEMARKS		1			

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SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

WELL NUMBER EMW-8S

PAGE 2 OF 2

end cap

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030

PROJECT LOCATION _7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
							SAND , dark gray, fine- to medium-grained, trace fines, wet, no hydrocarbon-like odors or staining. (continued)	0.0	
	-	GP			SP			0.0	
	$\frac{1}{2}$							0.0	
20							20.0 Boring completed at 20.0 feet.	0.0	2"-diameter Sch. 40 PVC

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser. 5.0 to 19.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.

19.8 to 20.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.

1.0 to 3.0 feet: Hydrated bentonite chips. 3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory. GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods. Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

WELL NUMBER EMW-9S

PAGE 1 OF 2

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT	Crow	ley Marine	Servic	es			PROJECT NAME 8th Avenue Terminals, Inc. Site			
PROJEC	T NUN	IBER 101	.00205	5.0003	30		PROJECT LOCATION 7400 8th Ave. S.	Seattle,	, WA	
DATE ST	ARTE	D 6/13/13			COM	PLETED 6/13/13	GROUND ELEVATION 16.94'	HOLE S	SIZE 8-inch diameter	
DRILLIN	G CON	NTRACTOR								
DRILLIN	G ME1	THOD Dire	ct Pus	sh/Hol	low-St	em Auger	TAT TIME OF DRILLING 12.0 ft			
LOGGE	BY _									
NOTES										
O DEPTH (ft)	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG		TERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM	
						0.5 ASPHALT.		_	Concrete	
_		EMW-9S- 1.0*		SP		gravel, moist, no odo	ILL), brown, fine-grained, fine to coarse rs or staining.	0.1		
- -		EN 4147 00				SAND (FILL), brown,	fine- to medium-grained, few fine gravel,	1.2	Hydrated	
_	GP	EMW-9S- 2.5		SP		trace fines, moist, no @ 2.5 feet: Becomes brick fragments.	hydrocarbon-like odors or staining. black, weak hydrocarbon-like odor; trace carbon-like odors or staining.	0.0	bentonite chips	
├ ╢						@ 4.0 feet: Becomes	brown.	0.0	2"-diameter Sch. 40 PVC	
5						5.0 @ 4.0 facts Bacomer			blank riser	
		EMW-9S-				@ 4.8 feet: Becomes	gray. black, very fine-grained, little fines, moist,	1.6		
		5.0*		SM		weak hydrocarbon-lik @ 5.1 feet: Becomes staining. @ 6.0 feet: Becomes	e odor. brown; no hydrocarbon-like odors or black; weak hydrocarbon-like odor.	6.7		
F 71		EMW-9S-	400			7.2 @ 6.5 feet: Cobble fra	agments in sampier. o medium-grained, trace to few fines,	0.7		
	GP	7.5	100				n-like odors or staining.	0.2	10x20 silica sand pack	
				SP		@ 8.8 feet: Becomes @ 9.0 feet: Becomes	fine-grained, mottled. brownish-gray.	0.3		
10		EMW-9S-						0.0		
		10.0*					sh-gray, fine-grained, little to some fines, n-like odors or staining.	0.0		
	GP	EMW-9S- 12.5				@ 12.0 feet: Become	s wet.	0.0	2"-diameter Sch. 40 PVC	
 				SM				0.0	0.010"-slotted screen	
⊦								0.0		
15										
								0.0		
DEMA	DIZO									

REMARKS

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

WELL NUMBER EMW-9S

PAGE 2 OF 2

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 PROJECT LOCATION _7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
		GP		100	SM		SILTY SAND, brownish-gray, fine-grained, little to some fines, moist, no hydrocarbon-like odors or staining. <i>(continued)</i> SAND, gray, fine- to medium-grained, wet, no hydrocarbon-like odors or staining.	0.0	2"-diameter
			1			1	Boring completed at 20.0 feet.		Sch. 40 PVC
\ \		CO1	ADI ETIO	NDE	T A II	٥.			end cap

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser. 5.0 to 19.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.

19.8 to 20.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.

1.0 to 3.0 feet: Hydrated bentonite chips. 3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory. GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods. Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIEN	T _	Crow	ley Marine S	Service	es			PROJECT NAME 8th Avenue Terminals, Inc. Site					
PROJE	EC	T NUN	IBER <u>101</u> .	.00205	5.0003	30		PROJECT LOCATION 7400 8th Ave. S, Seattle, WA					
DATE	ST	ARTE	D 6/19/13			COMF	PLETED 6/19/13	GROUND ELEVATION 17.06'	HOLE SIZE 8-inch diameter				
DRILL	INC	CON	ITRACTOR	Holo	cene			GROUND WATER LEVELS:					
DRILL	INC	MET	HOD Dire	ct Pus	h/Holl	low-Ste	m Auger	TAT TIME OF DRILLING 12.0 ft					
LOGG	ED	BY	C. Lee			CHEC	KED BY	AFTER DRILLING					
NOTES	S _												
O DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG		TERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM			
							D.5 ASPHALT.						
	\bigvee	GP	EMW- 10D-1.0*	90			damp, no hydrocarbo	, fine to coarse, few fine-grained sand, n-like odors or staining.	0.0	≺ Concrete			
	$\left\langle \right\rangle$	5	EMW- 10D-2.5	30			SAND , brown, fine-gra	ained, few fine gravel, thin layers of dark o hydrocarbon-like odors or staining.	0.9				
5		GP	EMW-10- 5.0*	100	SP		@ 4.5 feet: Becomes	dark brown; moderate creosote-like odor	1.2				
_	\mathbb{N}	.	EMW-	100	100	100	100			@ 6.5 feet: Creosote-like odor becomes weaker.		1.1	
_			10D-7.5			8	3.5		2.5				
10	\bigvee	GP	EMW-	100	ML		SANDY SILT, grayish weak to no creosote-l	brown, little fine-grained sand, moist, ike odors.	4.6				
	M		10D-10.0*						1.3				
					SM		hydrocarbon-like odor 2.0 ▼		2.5				
	$\setminus /$		EMW- 10D-12.5		SP		SAND , brown, fine-gra	ained, few fines, wet, weak creosote-like	1.6				
	$\ $	CD		100			@ 13.5 feet: Become	s grayish-brown.	2.1	Hydrated bentonite			
15	GP GP	EMW-	100	ML		SANDY SILT, gray, so creosote-like odor.	ome very fine-grained sand, wet, weak	1.9	chips				
			10D-15.0*		SP		SAND , dark gray, fine creosote-like odor.	- to medium-grained, wet, weak	1.0				

REMARKS

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.

Perched groundwater level at time of drilling.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NUMBER _101.00205.00030

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT LOCATION 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM				
							SAND , dark gray, fine- to medium-grained, wet, weak creosote-like odor. (continued)	3.0					
-	- G	GP		100	100	100	100	100			From 19.0 feet to 21.0 feet: Sheen on soil; moderate	1.9	
20			EMW-				creosote-like odor.	4.1					
-	M		10D-20.0					5.0					
_	V	GP		100				4.0					
-							@ 23.0 feet: Sheen on soil; moderate creosote-like odor.	1.9					
-					SP		From 24.0 to 50.0 feet: Strong creosote-like odor; brown staining	2.4					
25_			EMW- 10D-25.0				(product) on sample liners and equipment; oily coating on soil.	4.0 6.8	2"-diameter Sch. 40 PV				
-		GP		100				3.9	blank riser				
-								6.1					
-								6.5					
30			EMW-	465				3.8					
		GP	10D-30.0	100				4.1					
								4.0					
PID : * = S GP =	= Pl sam = Sc	ple su il sam	ples collec	laborated by	atory a	g 1.5-incl	Other samples collected were archived at the laboratory. h-diameter acetate liners within the drilling rods. a hollow-stem auger drill rig on 6/21/13.						

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER __101.00205.00030

PROJECT LOCATION 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
35		GP GP	EMW- 10D-35.0*	100	SP		SAND, dark gray, fine- to medium-grained, wet, weak creosote-like odor. (continued) From 40.0 to 42.0 feet: Sample tube was stuck in sampler; driller shook soil out of sampler.	3.1 2.6 4.9 12.6 6.8 11.3 4.1 5.9	10x20 silica sand pack
45	: Pl	notoio	nization de	tector.			s. Other samples collected were archived at the laboratory.	3.6 3.9 4.1	2"-diameter Sch. 40 PVC 0.010"-slotted screen

REMARKS

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030

PROJECT LOCATION _7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
50	-	GP	EMW-	100	SP		SAND, dark gray, fine- to medium-grained, wet, weak creosote-like odor. (continued)	2.9	2"-diameter
\ \A/E		001	10D-50.0		T A II .	0.	Boring completed at 50.0 feet.		Sch. 40 PVC end cap

WELL COMPLETION DETAILS:

0.3 to 40.0 feet: 2"-diameter Sch. 40 PVC blank riser. 40.0 to 49.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen. 49.8 to 50.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 2.0 feet: Concrete.

2.0 to 38.0 feet: Hydrated bentonite chips. 38.0 to 50.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory. GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods. Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.

WELL NUMBER EMW-11S

PAGE 1 OF 2

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT	Crow	ley Marine S	Servic	es			PROJECT NAME 8th Avenue Terminals	, Inc. Sit	е
PROJEC	CT NUI	MBER 101.	.00205	5.0003	30		PROJECT LOCATION 7400 8th Ave. S,	Seattle,	WA
DATE S	TARTE	D 6/12/13			COM	PLETED 6/12/13	GROUND ELEVATION 17.07'	HOLE S	IZE 8-inch diameter
DRILLIN	IG COI	NTRACTOR	ESN	I-NW			GROUND WATER LEVELS:		
DRILLIN	IG ME	THOD Dire	ct Pus	h/Hol	low-St	em Auger	TAT TIME OF DRILLING 12.2 ft		
LOGGE	D BY	A. Meugnio	t		CHE	CKED BY	AFTER DRILLING		
NOTES									
O DEPTH (ft)	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG		TERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
						0.4 ASPHALT.	5	0.1	Concrete
_		EMW-11S- 1.0*		SP		fine-grained sand, trac or staining.	ILL), brown, fine to coarse, some ce fines, moist, no hydrocarbon-like odors	0.0	Concrete
	GP	EMW-11S- 2.5	90	SP			fine- to medium-grained, trace fine oist, no hydrocarbon-like odors or staining.	0.0	Hydrated bentonite chips
5		EMW-11S-		SP		4.2 GRAVELLY SAND (FI some gravel, few fines staining.	ILL), brown, very fine-grained, little to s, moist, no hydrocarbon-like odors or	0.0	2"-diameter Sch. 40 PVC blank riser
		5.0*				5.5 SAND brown fine to	medium-grained, trace fine to coarse		
						gravel, trace fines, mo	oist, no hydrocarbon-like odors or staining.	0.0	
	GP	EMW-11S-	100			@ 6.5 feet: Becomes gravel, no fines.	dark brown, fine- to medium-grained, no	0.0	
_		7.5		SP		@ 8.0 feet: Becomes	brown, fine-grained, little fines.	0.0	10x20 silica sand pack
10		EMW-11S-				@ 9.5 feet: Becomes fines.	dark brown, fine- to medium-grained, no	0.0	
		10.0*				@ 10.8 feet: Becomes	s fine-grained, few fine gravel.	0.0	
	GP	EMW-11S- 12.5	100	SM			ne-grained, some fines, moist to wet, con-like odors or staining. s wet.	0.0	2"-diameter Sch. 40 PVC 0.010"-slotted screen
15				SP			, fine- to medium-grained, wet, mottled, dors or staining.	0.0	
	·				14, 544 5,4				h · · · · · · · · · · · · · · · · · · ·

REMARKS

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

WELL NUMBER EMW-11S

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end cap

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030

PROJECT LOCATION _7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
							SAND , brownish-gray, fine- to medium-grained, wet, mottled, no hydrocarbon-like odors or staining. <i>(continued)</i>	0.0	
	-	GP		90	SP			0.0	
	-//							0.0	
20							20.0 Boring completed at 20.0 feet.	0.0	2"-diameter Sch. 40 PVC

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser. 5.0 to 19.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.

19.8 to 20.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.

1.0 to 3.0 feet: Hydrated bentonite chips. 3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory. GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods. Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

WELL NUMBER EMW-12S

PAGE 1 OF 2

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services	PROJECT NAME 8th Avenue Terminals	, Inc. Site	
PROJECT NUMBER _101.00205.00030	PROJECT LOCATION 7400 8th Ave. S,	Seattle, V	VA
DATE STARTED 6/11/13 COMPLETED 6/11/13	GROUND ELEVATION 17.12'	HOLE SIZ	E 8-inch diameter
DRILLING CONTRACTOR ESN-NW	GROUND WATER LEVELS:		
DRILLING METHOD _ Direct Push/Hollow-Stem Auger	X AT TIME OF DRILLING 12.2 ft		
LOGGED BY A. Meugniot CHECKED BY	AFTER DRILLING		
NOTES			
RECO O DE CO	ATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.5 ASPHALT.		0.0	Concrete
	LL), brown, fine to coarse, some ace fines, moist, no hydrocarbon-like odors	0.0	
GP EMW-12S- 100 SP SAND (FILL), brown, hydrocarbon-like odo	fine-grained, trace fines, moist, no rs aining.	0.0	Hydrated bentonite chips
SM 4.0 SILTY SAND (FILL),	dark gray, fine-grained, some fines, few	:	
SP 4.5 fine gravel, few brick odors.	fragments, moist, weak hydrocarbon-like	0.7	2"-diameter Sch. 40 PVC
5 SANDY GRAVEL (FIL	_L) , gray, fine to coarse, some		blank riser
EMW-12S- 5.0* SM SILTY SAND (FILL),	oist, no hydrocarbon-like odors or staining/ dark gray, fine-grained, some fines, few ohalt fragments, moist, weak rs.	0.4	
SAND, brown, fine- to	o medium-grained, trace fine gravel, n-like odors or staining.	0.0	
	ne-grained, little fines, moist, no odors or	0.0	+ 10x20 silica sand pack
		0.0	
SP		0.0	
GP EMW-12S- 100	es wet.	0.0	2"-diameter Sch. 40 PVC
	e- to medium-grained, wet, no rs taining.	0.0	0.010"-slotted screen
	-	0.0	
15 EMW-12S-		0.0	
15.0*			
DEMARKS			

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SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

WELL NUMBER EMW-12S

PAGE 2 OF 2

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030

PROJECT LOCATION 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S. GRAPHIC	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
	- - -	GP	EMW-12S- \ 20.0	100	SP	SAND, dark gray, fine- to medium-grained, wet, no hydrocarbon-like odors or staining. (continued) 20.0 Boring completed at 20.0 feet	0.0 0.0 0.0 0.0	2"-diameter
\ \		001	ADI ETIO		TAIL C.	Boring completed at 20.0 feet.		Sch. 40 PVC end cap

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser. 5.0 to 19.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.

19.8 to 20.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.

1.0 to 3.0 feet: Hydrated bentonite chips. 3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory. GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods. Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

WELL NUMBER EMW-13S

PAGE 1 OF 2

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

			ley Marine			20		PROJECT NAME 8th Avenue Terminals PROJECT LOCATION 7400 8th Ave. S.		
			MBER 101				PLETED _6/11/13			
									HOLE 3	o-incridiameter
							em Auger	GROUND WATER LEVELS:		
		_		ı		CHE	CKED BY	AFTER DRILLING		
NOTE	: > _		T							T .
O DEPTH	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MA	TERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
							0.5 ASPHALT.		0.0	~ Concrete
	.\/		EMW-13S- 1.0*		GP		fine arained cond ma	L), brown, fine to coarse, some ist, no hydrocarbon-like odors or staining.	0.0	Concrete
		GP	EMW-13S- 2.5	100		, o	SAND (FILL), brown, f	fine-grained, few fine gravel and cobbles, n-like odors or staining.	0.0	Hydrated bentonite chips
					SP				0.0	2"-diameter Sch. 40 PVC blank riser
			EMW-13S- 5.0*							
								fine- to medium-grained.	0.0	
	-	GP	EMW-13S- 7.5*	100	SM		fine-grained, few fine hydrocarbon-like odor	gray to dark gray, very fine- to gravel, few brick fragments, moist, weak	0.0	10x20 silica sand pack
					GP		moist, no hydrocarbor	n, fine to coarse, few fine-grained sand, n-like odors or staining.	0.0	
10							BRICK DEBRIS, MOIS	t, no hydrocarbon-like odors or staining.	0.0	
							12.0		0.0	
		GP	EMW-13S- 12.5*	80	SP		▼ brick fragments, mois@ 12.5 feet: Becomes	fine-grained, some fine gravel, few red t, no hydrocarbon-like odors or staining. s fine- to medium-grained, wet.	0.0	2"-diameter Sch. 40 PVC 0.010"-slotted
							SAND, gray, fine-grain hydrocarbon-like odor	ned, some fines, few fine gravel, wet, no es or staining.	0.0	screen
15	M				SP				0.0	
	\mathbb{N}						16.0			
DEI	ИΔ	PKS								

KEIVIAKKS

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

WELL NUMBER EMW-13S

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030

PROJECT LOCATION 7400 8th Ave. S, Seattle, WA

DEPTH (ft) INTERVAL TYPE	NAME RECOVERY %	U.S.C.S. GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
GP	90 S	SP	GRAVELLY SAND, gray, fine-grained, fine to coarse gravel, wet, no hydrocarbon-like odors or staining. 18.0	0.0	
20	S	SM	SILTY SAND, gray, fine-grained, wet, no hydrocarbon-like odors or staining. 20.0	0.0	2"-diameter
VA/ELL COMPLE	TION DETA	AII C.	Boring completed at 20.0 feet.	0.0	Sch. 40 PVC end cap

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser. 5.0 to 19.8 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.

19.8 to 20.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.0 feet: Concrete.

1.0 to 3.0 feet: Hydrated bentonite chips. 3.0 to 20.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory. GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods. Well installed after Geoprobe boring by using a hollow-stem auger drill rig.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIEN	NT .	Crow	ley Marine S	Service	es		PROJECT NAME 8th Avenue	Terminals, Inc. Sit	e
PROJ	EC.	T NUN	IBER 101.	00205	5.0003	80	PROJECT LOCATION 7400 8	th Ave. S, Seattle,	WA
DATE	ST	ARTE	D 6/17/13				PLETED 6/17/13 GROUND ELEVATION 16.74'	HOLE S	SIZE 8-inch-diameter
DRILL	INC	G CON	ITRACTOR	Holo	cene		GROUND WATER LEVELS:		
DRILL	INC	3 MET	HOD Dire	ct Pus	h/Holl	ow-Ste	m Auger AT TIME OF DRILLING	8.0 ft	
LOGG	ED	BY _	C. Lee			CHE	KED BY AFTER DRILLING		
NOTE	S								
o DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
	\						D.5 ASPHALT.	0.0	
		GP	EMW- 14D-1.0*	100	GP		GRAVEL (FILL), gray, fine to coarse, few fines, dry, no hydrocarbon-like odors or staining. 2.0	0.0	⊸ Concrete
			EMW- 14D-2.5		SP		SAND (FILL) , brown, fine-grained, few fine gravel, dam hydrocarbon-like odors or staining.	0.0 0.0	
5			EMW- 14D-5.0*				5.0 GRAVELLY SAND (FILL), brown, fine-grained, some fi	0.0	
		GP		60			gravel, damp, no hydrocarbon-like odors or staining.	0.0	
			EMW- 14D-7.5		SP		▼ @ 8.0 feet: Becomes wet.	0.0	
 10		GP	EMW-	75			10.0	0.0	
		GF	14D-10.0*	73	SM		SILTY SAND (FILL), brownish-gray, fine-grained, some wet, no hydrocarbon-like odors or staining.	0.0	
			EN MAZ		GP		GRAVEL (FILL) , gray, coarse, wet, no hydrocarbon-like or staining.	e odors	
	/		EMW- 14D-12.5				13.5	0.0	◄ Hydrated
 15		GP	EMW-	80	SP		GRAVELLY SAND , dark brown to reddish-brown, fine-little fine gravel, wet, no hydrocarbon-like odors or stail 15.0	ning.	bentonite chips
			14D-15.0*		SP		SAND, reddish-brown, fine-grained, wet, no hydrocarbodors or staining.	on-like 0.0	
DEI	ИΛ	PKS							

REMARKS

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/20/13.

Perched groundwater level at time of drilling.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER _101.00205.00030

PROJECT LOCATION 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
		GP		100	SP		SAND, gray, fine- to coarse-grained, wet, no hydrocarbon-like odors or staining.	0.0	
20			EMW-					0.0	
_		GP	14D-20.0	100				0.0	
-	-/\				SW			0.0	
25 _		GP	EMW- 14D-25.0	100				0.0	2"-diameter Sch. 40 PV blank riser
-								0.0	
30		GP	EMW- 14D-30.0	100				0.0	
_								0.0	
PID * = S GP = Well	= Pl Sam = So ins	ple su oil sam talled	nization de bmitted for aples collec after Geopl bundwater	laborated by	atory a using oring	by usir	is. Other samples collected were archived at the laboratory. nch-diameter acetate liners within the drilling rods. ng a hollow-stem auger drill rig on 6/20/13.		

REMARKS

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER _101.00205.00030

PROJECT LOCATION 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
35		GP	EMW- 14D-35.0	100			SAND , gray, fine- to coarse-grained, wet, no hydrocarbon-like odors or staining. (continued)	0.0	
40		GP		100				0.0	
-		GP	EMW- 14D-40.0	100	SW			0.0	10x20 silica sand pack
45 -		GP	EMW- 14D-45.0					0.0	2"-diameter Sch. 40 PVC 0.010"-slotte screen
PID	= PI	RKS hotoio	nization de bmitted for aples collec	tector. laborated by	atory atory	analysis. (g 1.5-inch	Other samples collected were archived at the laboratory. diameter acetate liners within the drilling rods. a hollow-stem auger drill rig on 6/20/13.		

REMARKS

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030

PROJECT LOCATION 7400 8th Ave. S, Seattle, WA

H AL III S S S S S S S S S S S S S S S S S	_
A S S S S S S S S S S S S S S S S S S S	WELL DIAGRAM
50 / EMW-	2"-diameter
Boring completed at 50.0 feet. WELL COMPLETION DETAILS:	end cap Native material

0.3 to 39.5 feet: 2"-diameter Sch. 40 PVC blank riser.

39.5 to 49.5 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen. 49.5 to 49.7 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.5 feet: Concrete.

1.5 to 37.5 feet: Hydrated bentonite chips. 37.5 to 49.7 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory. GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods. Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/20/13.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIEN	Crov	vley Marine	Servic	es				PROJECT NAME 8th Avenue Termin	als, Inc. Si	te
PROJE	CT NU	MBER _101	.00205	5.00030				PROJECT LOCATION 7400 8th Ave.	S, Seattle	, WA
DATE S	START	ED 6/18/13		co	MPLE	ΓΕD _6/	18/13	GROUND ELEVATION 16.43'	_ HOLE S	SIZE 8-inch diameter
DRILLI	NG CO	NTRACTOR	Holo	cene				GROUND WATER LEVELS:		
DRILLI	NG ME	THOD Dire	ct Pus	h/Hollow-S	Stem A	uger		▼ AT TIME OF DRILLING 7.5 ft		
LOGGE	D BY	C. Lee		СНІ	ECKE	BY _		AFTER DRILLING		
NOTES	.									
O DEPTH (ft)	INTERVAL	NAME	RECOVERY %	BLOW COUNTS PER FOOT (N VALUE)	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
						0	.5 ASPHALT			
		EMW- 15D-1.0*			GP		trace fines	RAVEL (FILL), brown, fine to coarse, , damp, no hydrocarbon-like odors or	0.0	⊸ Concrete
	GP	EMW- 15D-2.5	90				SAND (FIL	L) , brown, fine-grained, few fine gravel, nydrocarbon-like odors or staining.	0.0	
5	GP	EMW- 15D-5.0*	50		SP	6	.5		0.0	
					ML		moist to w	LT, brown, some fine-grained sand, et, no odors or staining. : No recovery.	0.0	
10	GP	EMW- 15D-10.0*	90		SP	9	SAND (FIL wet, no hy	L) , black, fine-grained, few fine-gravel, drocarbon-like odors or staining.	0.0	
-					GP		hydrocarbo 2.0	FILL), gray, coarse, wet, no on-like odors or staining.	0.0	
	GP	EMW- 15D-12.5	100		SP		SAND (FIL wet, no hy	 L), brown, fine-grained, few fine gravel, drocarbon-like odors or staining. 	0.0	Hydrated bentonite
15		EMW- 15D-15.0*			GP	600	5.5		0.0	chips
		1			1	10 VOI				

REMARKS

SLR MW LOG CROWLEY RIFS WELLS.GPJ GINT US.GDT 1/16/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/20/13.

Perched groundwater level at time of drilling.

PAGE 2 OF 4



22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030 PROJECT LOCATION 7400 8th Ave. S, Seattle, WA

DEPTH (ft) INTERVAL	TYPE	NAME	RECOVERY %	BLOW COUNTS PER FOOT (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
-\	GP		100		GP		GRAVEL (FILL), gray, coarse, wet, no hydrocarbon-like odors or staining. (continued) SAND, black, fine-grained, wet, no hydrocarbon-like odors or staining.	0.0	
							@ 18.0 feet: Brick fragments in sampler.	0.0	
20	SS	EMW- 15D-20.0	100	50/5"	-		@ 20.0 feet: Refusal with Geoprobe.	0.0	
-					SP		@ 22.5 feet: Becomes dark gray; becomes fine- to medium-grained (auger cuttings).		
25	SS	EMW- 15D-25.0	100	47	_			0.0	2"-diameter Sch. 40 PV0 blank riser
30							@ 30.0 feet: Unable to drive split-spoon sampler due		
-	RKS						to heave in augers.		

REMARKS

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT LOCATION 7400 8th Ave. S, Seattle, WA PROJECT NUMBER _101.00205.00030

35			SAND, black, fine-grained, wet, no hydrocarbon-like	
7 1			odors or staining. (continued) @ 35.0 feet: Unable to drive split-spoon sampler due to heave in augers.	
40		SP	@ 40.0 feet: Unable to drive split-spoon sampler due to heave in augers.	10x20 silica sand pack
45			@ 45.0 feet: Unable to drive split-spoon sampler due to heave in augers.	2"-diameter Sch. 40 PVC 0.010"-slotted screen

REMARKS

PAGE 4 OF 4

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030

PROJECT LOCATION _7400 8th Ave. S, Seattle, WA

DEPTH (ft) INTERVAL TYPE	NAME	RECOVERY % BLOW COUNTS PER FOOT (N VALUE)	U.S.C.S. GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM			
50			SP	SAND, black, fine-grained, wet, no hydrocarbon-like odors or staining. (continued) 50.0		2"-diameter			
	@ 50.0 feet: Unable to drive split-spoon sampler due								

to heave in augers. Boring completed at 50.0 feet.

end cap

WELL COMPLETION DETAILS:

0.3 to 39.5 feet: 2"-diameter Sch. 40 PVC blank riser. 39.5 to 49.5 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen.

49.5 to 49.7 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.5 feet: Concrete.

1.5 to 37.5 feet: Hydrated bentonite chips. 37.5 to 49.7 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory. GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods. Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/20/13.

PAGE 1 OF 4

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services											
PROJE	СТ	NUN	IBER 101	.00205	5.0003	30					
DATE S	TA	RTE	D 6/18/13			COM	PLETED 6/18/13	GROUND ELEVATION 16.99'	HOLE S	8-inch diameter	
RILLIN	NG	CON	ITRACTOR	Holo	cene			GROUND WATER LEVELS:			
DRILLING METHOD _Direct Push/Hollow-Stem Auger AT TIME OF DRILLING _9.0 ft											
LOGGED BY C. Lee CHECKED BY AFTER DRILLING											
NOTES	_										
O DEPTH (ft) INTERVAL	INIERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG		ATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM	
							_{0.5} ASPHALT.				
	EMW- 16D-1.0*		GP		fine-grained sand, da	LL), brown, fine to coarse, some amp, no hydrocarbon-like odors or staining.	0.0	~ Concrete			
1/	\ '	GP		80			CONCRETE DEBRIS).			
									0.0		
_			E. W.			***	SAND (FILL), brown, odors or staining.	fine-grained, damp, no hydrocarbon-like			
5	5 - - - - - - - - - - - - -	100 SF	SP				0.0				
			100	100	GP		hydrocarbon-like odo 7.0		0.0		
			EMW- 16D-7.5				SAND (FILL), brown, hydrocarbon-like odo	fine-grained, trace fine gravel, damp, no ors or staining.	0.0		
10		GP	EMW- 16D-10.0*	100	SP		● @ 9.0 feet: Becomes	s wet.	0.0		
							SILTY SAND (FILL),	brown, very fine-grained, some fines, like odors or staining.	0.0		
			EMW- 16D-12.5		SM		42.5		0.0		
		GP			SP		SAND (FILL), brown, odors or staining.	fine-grained, wet, no hydrocarbon-like	100	Hydrated bentonite chips	
15	EMW- 16D-15.0			sw	• • • • • • • • • • • • • • • • • • • •	SAND, dark gray, fine hydrocarbon-like odo	e- to coarse-grained, wet, no or staining.	0.0			
* = Sar GP = S Well in	Pho mp Soil nsta	otoio le su l sam alled	nples collec	laborated by	atory a using oring	g 1.5-ir by usii	nch-diameter acetate liners w ng a hollow-stem auger drill r	vere archived at the laboratory. vithin the drilling rods. ig on 6/21/13.		1231 - 1231	

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.

Perched groundwater level at time of drilling.

PAGE 2 OF 4



22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT LOCATION 7400 8th Ave. S, Seattle, WA PROJECT NUMBER _101.00205.00030

(ff)	INIERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM			
		GP		100			SAND , dark gray, fine- to coarse-grained, wet, no hydrocarbon-like odors or staining. <i>(continued)</i>	0.0				
20			EMW-					0.0				
		GP	16D-20.0	100	- SW	- SW	- SW	- SW			0.0	
											0.0	
25		GP	EMW- 16D-25.0	100								
								0.0				
30		GP	EMW- 16D-30.0	100				0.0				
								0.0				

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.

PAGE 3 OF 4



22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NUMBER __101.00205.00030

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT LOCATION 7400 8th Ave. S, Seattle, WA

DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM							
35		GP	EMW- 16D-35.0	100			SAND, dark gray, fine- to coarse-grained, wet, no hydrocarbon-like odors or staining. (continued)	0.0								
 	-	GP		100				0.0								
	-	GP	EMW- 16D-40.0		SW	SW	SW	SW	SW	SW	SW	sw			0.0	10x20 silica sand pack
REI PID *= \$ GP ? Wel	-	GP	EMW- 16D-45.0	100				0.0	2"-diameter Sch. 40 PVC 0.010"-slotted screen							
REI PID * = S GP : Wel	= P Sam = So I ins	ple su oil san talled	nization de Ibmitted for Iples collec after Geop oundwater	laborated by	atory a using oring		s. Other samples collected were archived at the laboratory. ach-diameter acetate liners within the drilling rods. ag a hollow-stem auger drill rig on 6/21/13. ling.	l								

REMARKS

PAGE 4 OF 4

(heave)

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Crowley Marine Services

PROJECT NAME 8th Avenue Terminals, Inc. Site

PROJECT NUMBER 101.00205.00030

PROJECT LOCATION 7400 8th Ave. S, Seattle, WA

1								
DEPTH (ft) INTERVAL TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM	
50			SW		SAND, dark gray, fine- to coarse-grained, wet, no hydrocarbon-like odors or staining. (continued) Geoprobe boring completed at 48.0 feet.		2"-diameter Sch. 40 PVC end cap	
WELL CO	Boring completed at 50.0 feet.							

L COMPLETION DETAILS:

0.3 to 39.5 feet: 2"-diameter Sch. 40 PVC blank riser.

39.5 to 49.3 feet: 2"-diameter Sch. 40 PVC 0.010"-slotted screen. 49.3 to 49.5 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 1.5 feet: Concrete.

1.5 to 37.5 feet: Hydrated bentonite chips. 37.5 to 49.5 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory. GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods. Well installed after Geoprobe boring by using a hollow-stem auger drill rig on 6/21/13.

Key to Exploration Logs Sample Descriptions

Classification of soils in this report is besed on visual field and laboratory observations which include density/consistency, moisture condition, grain SIZE, and plasticity estimates and should not be construed to imply field nor laboratory testing unless presented herein. Visual-manual classification methods of ASTM D 2488 were used as an identification guide.

Soil descriptions consist of the following: Density/consistency, moisture, color, minor constituents, MAJOR CONSTITUENT, additional remarks.

Density/Consistency

Soil density/consistency in borings is related primarily to the Standard Penetration Resistance. Soil density/consistency in test pits is estimated based on visual observation and is presented parenthetically on the test pit logs.

SAND or GRAVEL Density	Standard Penetration Resistance in Blows/Foot	SILT or CLAY Consistency	Standard Penetration Resistance in Blows/Foot	Approximata Shear Strength in TSF
Very loose	0 - 4	Very soft	0 - 2	<0.125
Loose	4 - 10	Saft	2 - 4	0.125 - 0.25
Medium dense	10 - 30	Hedium stiff	4 - 8	0.25 - 0.5
Dense	30 - 50	Stiff	8 - 15	0.5 - 1.0
Very dense	>50	Very stiff	15 - 30	1.0 - 2.0
		Hard	>30	>2.0

Moisture

Dry Little perceptible moisture

Some perceptible moisture, propedly below optimum Propedly near optimum moisture content Moist

Much perceptible moisture. probably above optimum

Not identified in description Slightly (clayey, silty, etc.) 5 - 12 Clayey, silty, sandy, gravelly 12 - 30 Very (clayey, silty, etc.) 30 - 50

Minor Constituents

Legends

Sampling BORING SAMPLES

V

Solit Socon

Shelby Tube \mathbf{m} Cuttings

Core Aun

No Sample Recovery

Tube Pushed, Not Oriven

Ground Water Observations

Test Symbols

Grain Size Classification

Consolidation

TUU Triaxial Unconsolidated Undrained

TCU Triaxial Consolidated Undrained

TCD Triaxial Consolidated Drained

GU Unconfined Compression

OS Direct Shear

K

Permeability

Pocket Penetrometer pp

Approximate Compressive Strength in TSF Torvane TV

Approximate Shear Strength in TSF

CBA California Bearing Ratio

MO Moisture Density Relationship

Atterberg Limits AL

> Water Content in Percent - Liquid Limit Plastic Limit

10/20 Sand Pock

7-inch # 0.020 Slet PVC Serven

a.e

HARTCROWSER J-2183-09 7/89

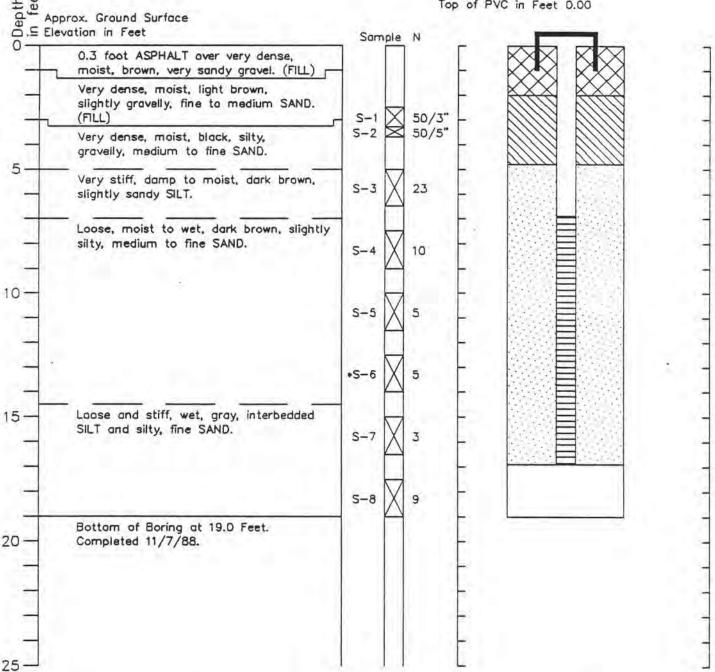
Estimated Percentage

Boring Log and Construction Data for Monitoring Well HC-1/HC-1A

Geologic Log

Monitoring Well Design

Casing Stickup in Feet Top of PVC in Feet 0.00



 Refer to Figure A-1 for explanation of descriptions and symbols.

Soil descriptions and stratum lines are interpretive and actual changes may be gradual.

 Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

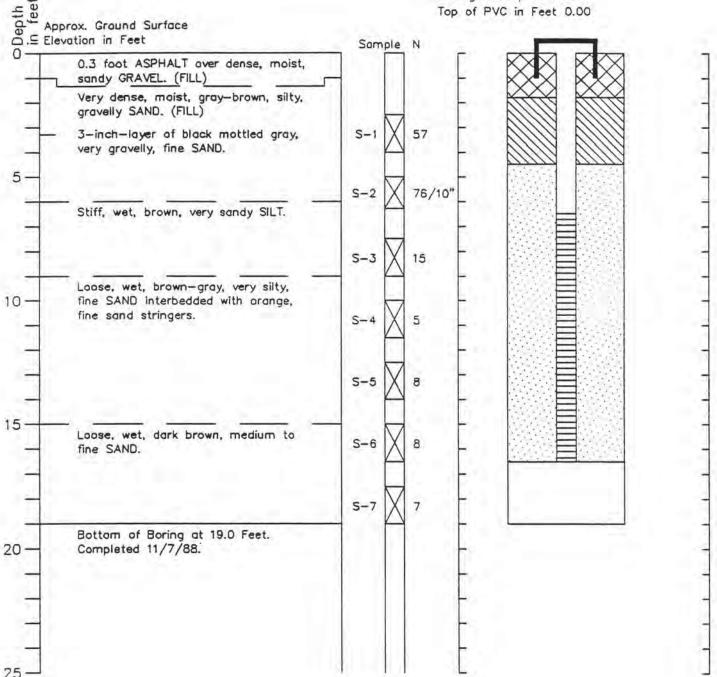


Boring Log and Construction Data for Monitoring Well HC-4

Geologic Log

Monitoring Well Design

Casing Stickup in Feet Top of PVC in Feet 0.00



1. Refer to Figure A-1 for explanation of descriptions and symbols.

2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.

3. Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.



Test Pit Log HC-5

Sample	Water Lab Content Tests in Percent	Depth in Feet	SOIL DESCRIPTIONS Ground Surface Elevation in Feet 0.0
S-0.5 X	CA	2-	(Medium dense), moist, brown, silty, very gravelly. fine to medium SAND with roots and pieces of wood. Grading to (medium dense), moist, dark brown, slightly gravelly, fine to medium SAND.
S-3.0	CA	3-	
		5- 6- 7- 8- 9- 10- 11- 12- 13-	Bottom of Hand Auger Boring at 4.0 Feet. Completed 1/16/89.

^{1.} Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Groundwater conditions, if indicated, are at time of excavation. Conditions may vary with time.

^{4.} CA = Chemical Analysis

STANDARD PENETRATION _4B RESISTANCE TESTS Soil Descriptions Depth in Feet ▲ Blows per Foot Ground Surface Elevation in Feet 0.0 Sample 3 inches of ASPHALT over loose, moist, brown, very gravelly, fine SAND. (FILL) Loose, moist, brown, fine to medium SAND. (FILL) CA 5-2.5 CA 5-4.0 - 5 5-6.5 CA CA 5-8.0 Bottom of Boring at 10.0 Feet. Completed 1/17/89. - 20 35

and symbols.

2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.

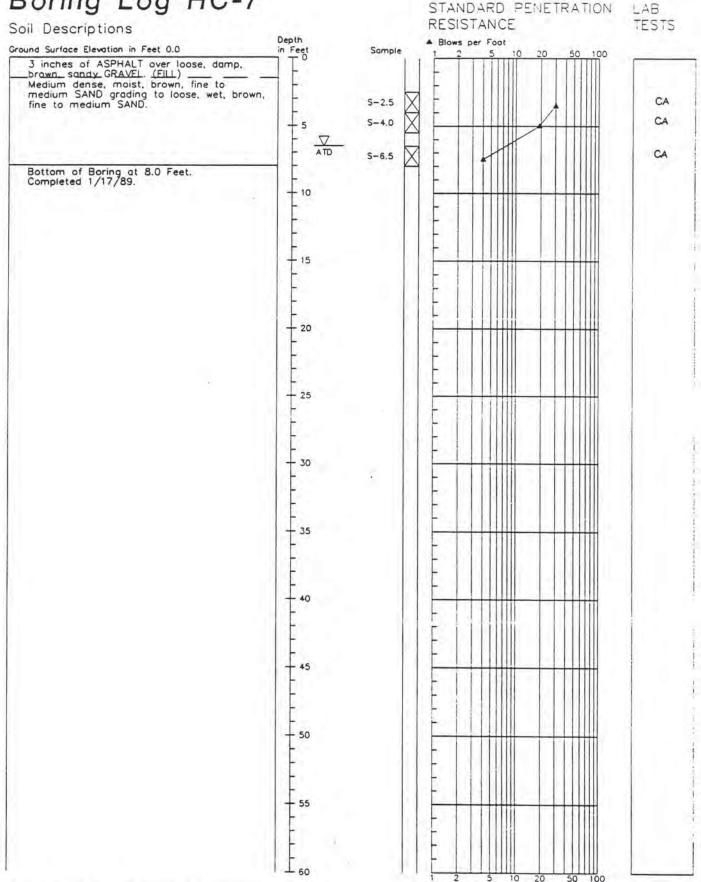
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

J-2183-09

20

• Water Content in Percent

^{1.} Refer to Figure A-1 for explanation of descriptions



^{1.} Refer to Figure A-1 for explanation of descriptions

4. CA = Chemical Analysis

HAVRITCROWSER

• Water Content in Percent

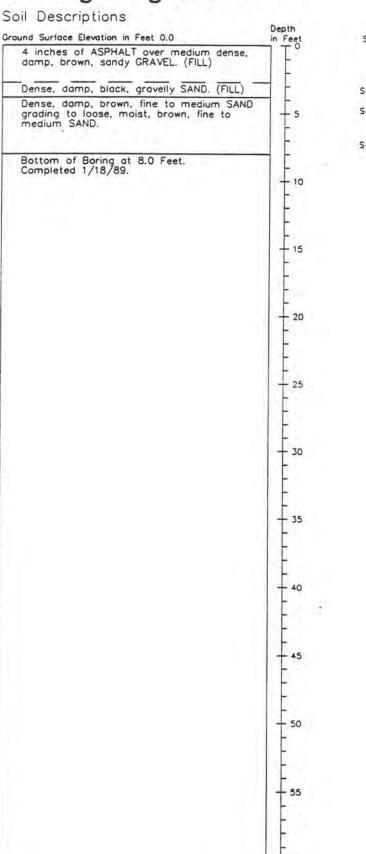
J-2183-09 1/89 Figure A-6 1/1

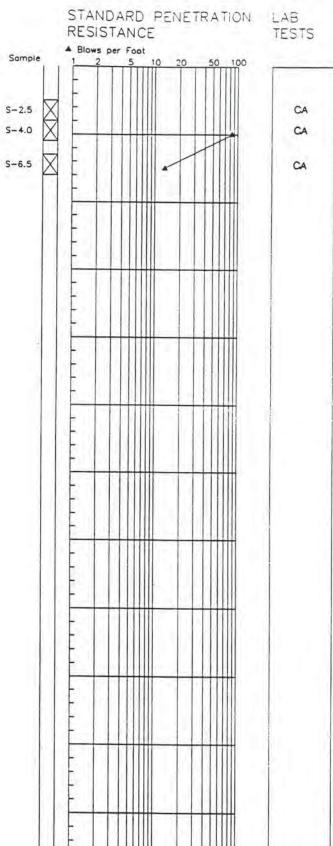
and symbols.

2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.

3. Groundwater level, if indicated, is at time of drilling

⁽ATD) or for date specified. Level may vary with time.





1. Refer to Figure A-1 for explanation of descriptions

and symbols.

2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.

3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

4. CA = Chemical Analysis

HARTGROWSER

J-2183-09 Figure A-7

20

• Water Content in Percent

Soil Descriptions Depth Ground Surface Elevation in Feet 0.0 3 inches of ASPHALT over medium dense, damp, brown, sandy GRAVEL. (FILL) Medium dense, damp, brown, gravelly SAND containing brick fragments (FILL)
Medium dense, moist, brown, fine to medium Bottom of Boring at 8.0 Feet. Completed 1/17/89. - 10 15 20 25 - 35 40 55

STANDARD PENETRATION RESISTANCE ESTS A Blows per Foot Sample S-2.5 CA 5-4.0 CA

1. Refer to Figure A-1 for explanation of descriptions

and symbols.

2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.

3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

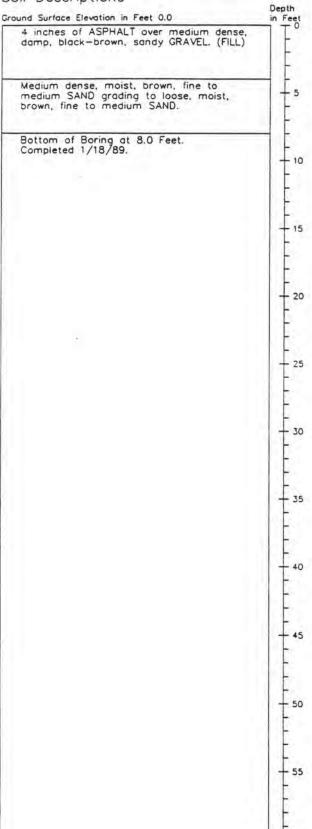
4. CA = Chemical Analysis

HARTGROWSER

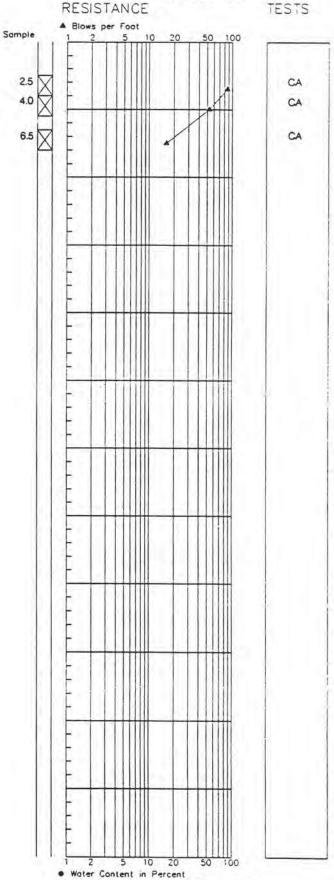
J-2183-09 Figure A-8

• Water Content in Percent

Soil Descriptions



STANDARD PENETRATION LAB RESISTANCE



Refer to Figure A-1 for explanation of descriptions and symbols.
 Soil descriptions and stratum lines are interpretive

and actual changes may be gradual.

3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

4. CA = Chemical Analysis

HARTGROWSER

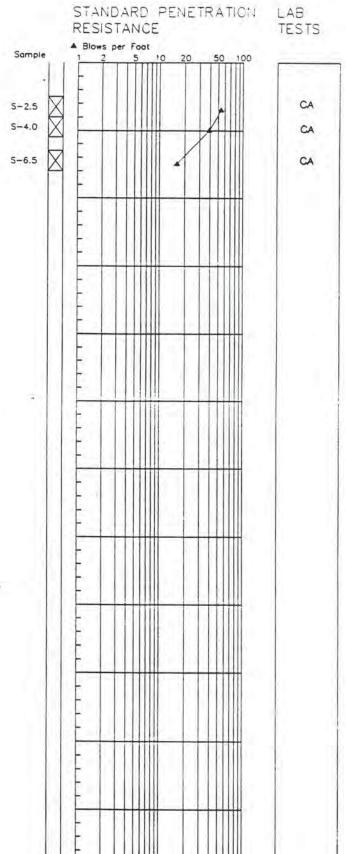
J-2183-09 Figure A-9

Soil Descriptions Depth Ground Surface Elevation in Feet 0.0 in Feet Sample 3 inches of ASPHALT over medium dense, damp, brown, sandy GRAVEL. (FILL) Medium dense, damp, black-gray, very gravelly, fine to medium SAND. (FILL) 5-2.5 Medium dense, moist, brown, fine to medium SAND grading to loose, wet, brown, fine to medium SAND. - 5 5-6.5 Bottom of Boring at 8.0 Feet. Completed 1/17/89. 20

- 30

40

- 55



1. Refer to Figure A-1 for explanation of descriptions and symbols.

2. Sail descriptions and stratum lines are interpretive

and actual changes may be gradual.

3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

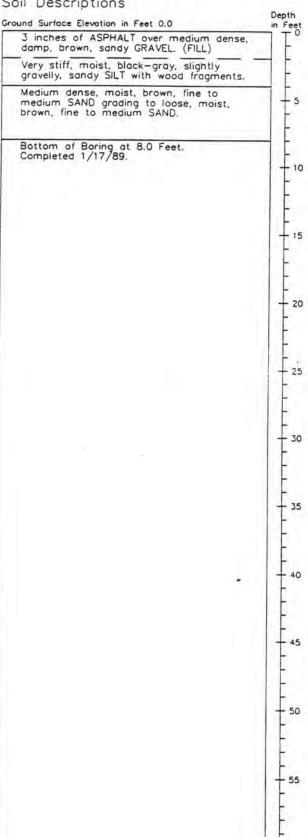
4. CA = Chemical Analysis

HARTGROWSER

J-2183-09 1/89 Figure A-10

• Water Content in Percent

Soil Descriptions



STANDARD PENETRATION LAS RESISTANCE TESTS ▲ Blows per Foot Sample S-2.5 CA 5-4.0 CA CA 5-6.5

1. Refer to Figure A-1 for explanation of descriptions

and symbols.

2. Sail descriptions and stratum lines are interpretive and actual changes may be gradual.

3. Groundwater level, if indicated, is at time of drilling

(ATD) or for date specified. Level may vary with time.

4 CA = Chemical Analysis

HARTGROWSER 1/89

J-2183-09 Figure A-11

• Water Content in Percent

1/1

Soil Descriptions Depth Ground Surface Elevation in Feet 0.0 4 inches of ASPHALT over medium dense, damp, brown, sandy GRAVEL. (FILL) Medium dense, moist, brown, slightly silty, fine to medium SAND. Wood fragments interbedded.

Medium dense, moist, brown, slightly gravelly, silty SAND grading to loose, moist, brown, fine to medium SAND. Bottom of Boring at 8.0 Feet. Completed 1/17/89. 10 15 20 25 30 35 40 50

STANDARD PENETRATION LAB RESISTANCE TESTS A Blows per Foot Sample 5-2.5 CA S-4.1 CA

J-2183-09 Figure A-12

• Water Content in Percent

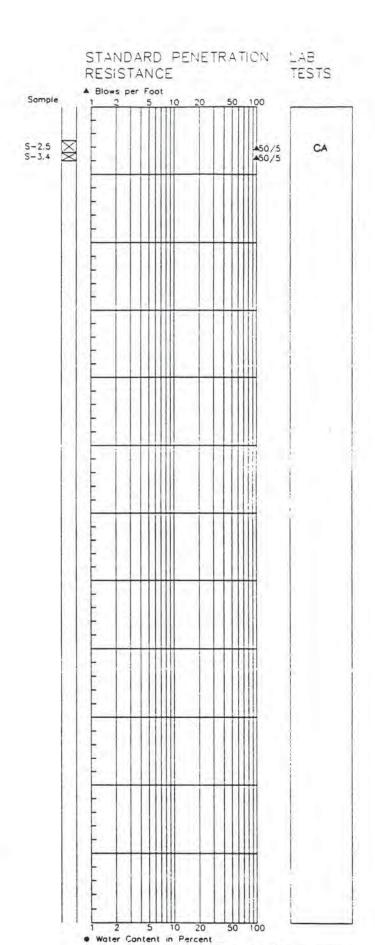
Refer to Figure A-1 for explanation of descriptions and symbols.

^{2.} Soil descriptions and stratum lines are interpretive

and actual changes may be gradual.

3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Soil Descriptions Depth in Feet Ground Surface Elevation in Feet 0.0 3 inches of ASPHALT over medium dense, damp, brown, sandy GRAVEL. (FILL) Very dense, moist, brown, slightly gravelly, fine to medium SAND. Very dense, moist, brown, slightly silty SAND with wood fragments. - 5 Bottom of Boring at 6.0 Feet. Completed 2/13/89. 20 30 - 35 50



Refer to Figure A-1 for explanation of descriptions and symbols.

2. Soil descriptions and stratum lines are interpretive

and actual changes may be gradual.

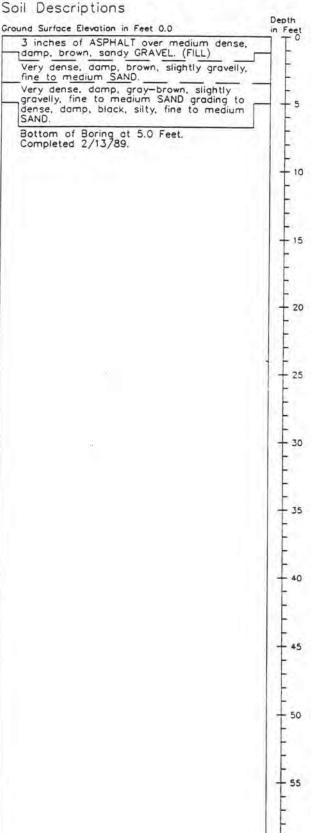
3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

4. CA = Chemical Analysis

HARTGROWSER

J-2183-09 Figure A-13

Soil Descriptions



STANDARD PENETRATION RESISTANCE TESTS ▲ Blows per Foot Sample S-X S-X CA

t. Refer to Figure A-1 for explanation of descriptions and symbols.

2. Soil descriptions and stratum lines are interpretive

and actual changes may be gradual.

3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

4. CA = Chemical Analysis

HARTGROWSER

J-2183-09 2/89 Figure A-14 1/1

• Water Content in Percent

Soil Descriptions Depth Ground Surface Elevation in Feet 0.0 3 inches of ASPHALT over medium dense, damp_brown_sandy_GRAVEL. (FILL)
Very dense, damp, brown, slightly silty, slightly gravelly, fine to medium SAND. Very dense, damp, black, slightly gravelly, silty SAND with wood fragments. Very dense, damp, brown, slightly gravelly, silty SAND. Bottom of Boring at 5.0 Feet. Completed 2/13/89. + 10 15 20 30 35 40 50

STANDARD PENETRATION _ AB RESISTANCE Sample 450/2 450/4 CA

HARTGROWSER

J-2183-09 2/89 Figure A-15

• Water Content in Percent

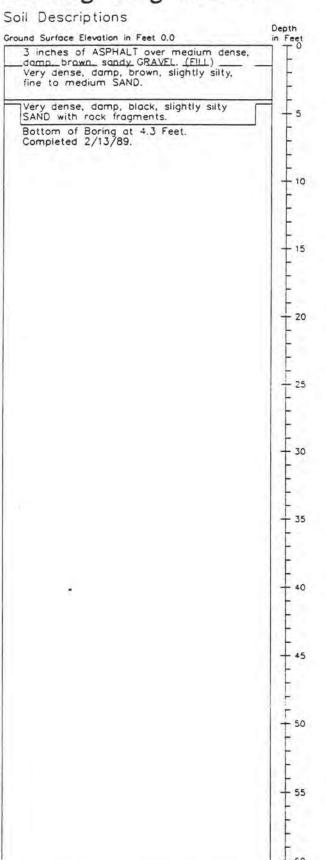
^{1.} Refer to Figure A-1 for explanation of descriptions and symbols.

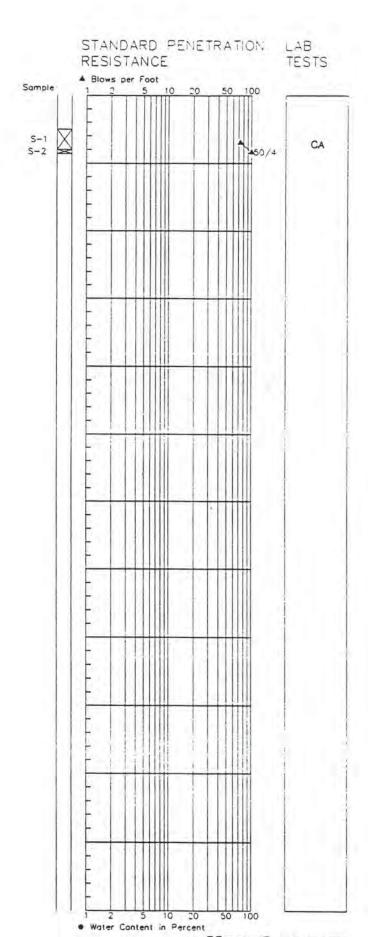
^{2.} Soil descriptions and stratum lines are interpretive

and actual changes may be gradual.

3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

⁴ CA = Chemical Analysis





1. Refer to Figure A-1 for explanation of descriptions

and symbols.
2. Soil descriptions and stratum lines are interpretive

and actual changes may be gradual.

3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

4. CA = Chemical Analysis

HARTGROWSER

J-2183-09 Figure A-16

Soil Descriptions Depth Ground Surface Elevation in Feet 0.0 in Feet 3 inches of ASPHALT over medium dense, damp, brown, sandy GRAVEL. (FILL) Very dense, moist, black to brown, slightly gravelly, silty SAND grading to dense, damp, dark brown, medium to fine SAND.

- 5

- 10

- 20

25

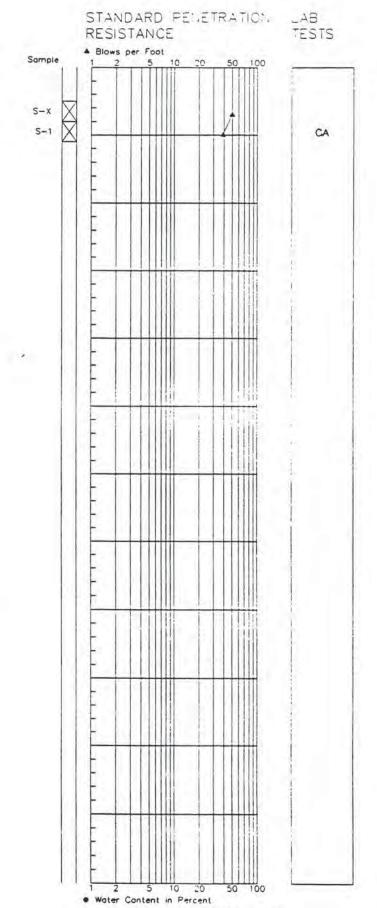
30

35

50

55

Bottom of Boring at 6.0 Feet. Completed 2/13/89.



HARTGROWSER

J-2183-09 Figure A-17

Refer to Figure A-1 for explanation of descriptions and symbols.

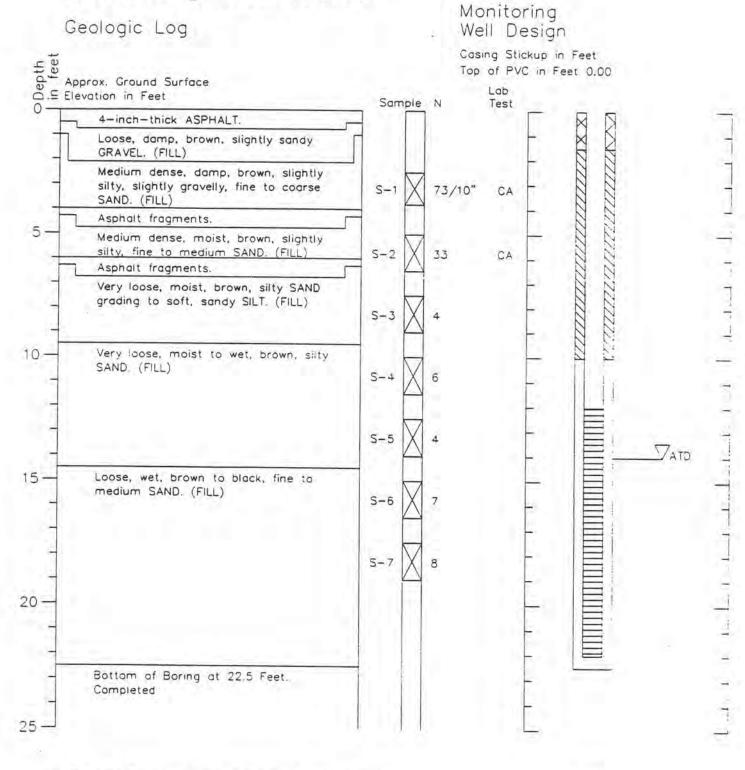
^{2.} Soil descriptions and stratum lines are interpretive

and actual changes may be gradual.

3. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

^{4.} CA = Chemical Analysis

Boring Log and Construction Data for Monitoring Well HC-19



Refer to Figure A-1 for explanation of descriptions and symbols.

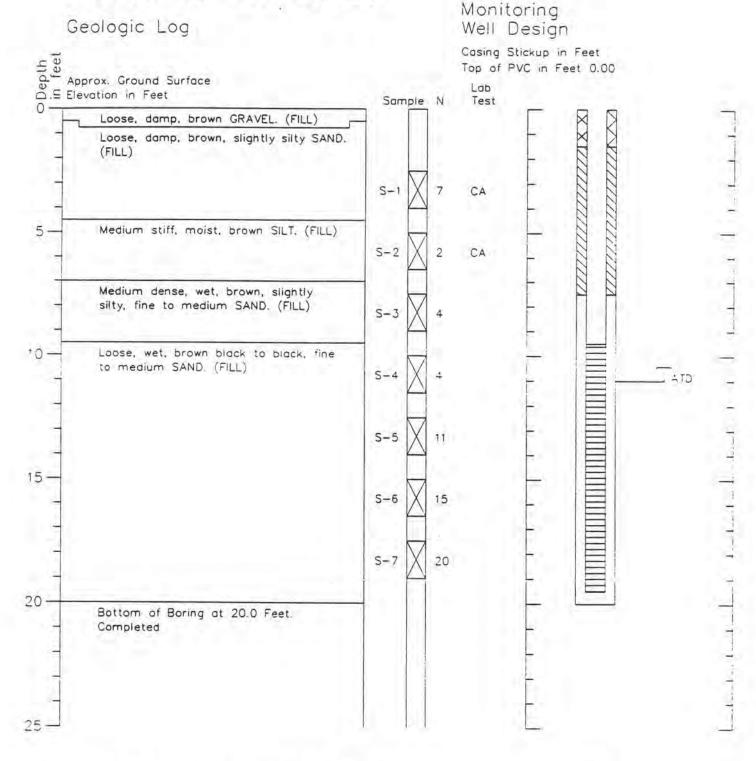
4. CA = Chemical Analysis.



Soil descriptions and stratum lines are interpretive and actual changes may be gradual

Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Boring Log and Construction Data for Monitoring Well HC-20



Refer to Figure A-1 for explanation of descriptions and symbols.

4. CA = Chemical Analysis.



Figure A-19

Soil descriptions and stratum lines are interpretive and actual changes may be gradual.

Ground water level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.

Unified Soil Classification System

	MAJOR DIVISION	S	GRAPH SYMBOL	LETTER SYMBOL	TYPICAL DESCRIPTIONS
		CLEAN GRAVELS	C'	GW	Well-graded gravels, gravel-sand mixtures, little or no fines
GRAVEL AND GRAVELLY SOILS More than 50% of coarse fraction retained on #4 sleve GRAVELS GR	Poorly-graded gravels, gravel-sand mixtures, little or no fines				
	WITH FINES		GM	Silty gravels, gravel-sand-silt mixtures	
Materia materia		amount of		GC	Clayey gravels, gravel-sand-clay mixtures
COARSE GRAIN More than \$0% of n		SAND		sw	Well-graded sands, gravelly sands, little or no fines
COAF	SANDY SOILS	40-30371-40-40		SP	Poorly-graded sands, gravelly sands, little or no fines
2	coarse fraction	WITH FINES		SM	Silty sands, sand-silt mixtures
	W.	amount of		sc	Clayey sands, sand-clay mixtures
aller				ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sand or clayey silts with slight plasticity
SOILS	SILTS AND C			CL	inorganic clays of low to medium plasticity, gravelly clays, sandy clays, slity clays, lean clays
Mater sleve				OL	Organic silt and organic silty clays of low plasticity
10 -				МН	Inorganic silts, micaceous or distomaceous fine sand or silty soils
More than 5	SILTS AND C			СН	Inorganic clays of high plasticity, fat clays
-	1			ОН	Organic clays of medium to high plasticity, organic silts
н	IGHLY ORGANIC SO	ILS		PT	Peat, humus, swamp soils with high organic contents

Note: Dual symbols are used to indicate borderline soil classifications

LANDAU ASSOCIATES, INC.

Unified Soil Classification System

Well DMW2

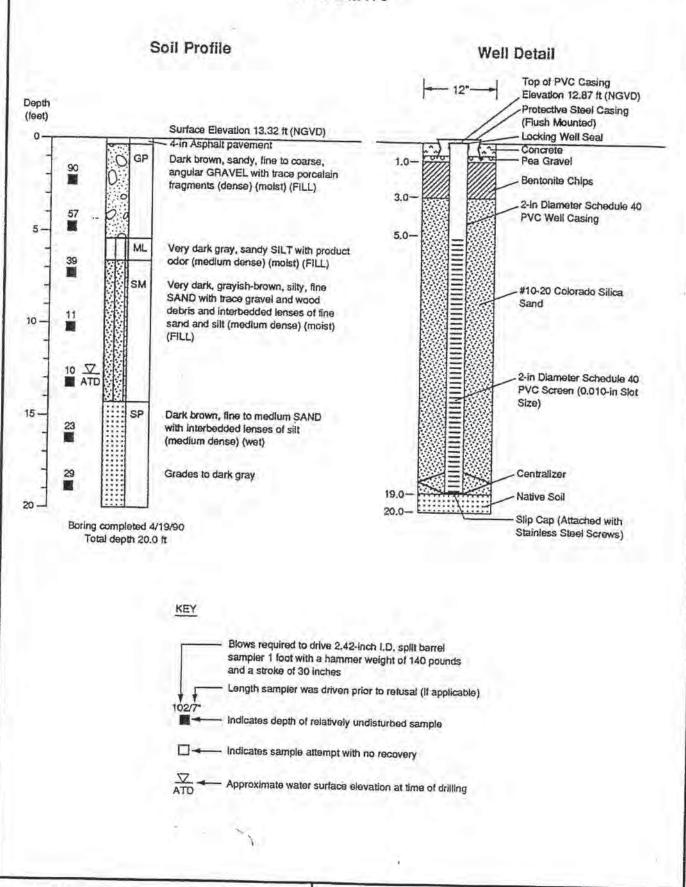
LANDAU ASSOCIATES, INC.

Soil Profile and Well Detail for Well DMW2

LANDAU ASSOCIATES, INC.

Soil Profile and Well Detail for Well DMW3

Well DMW6

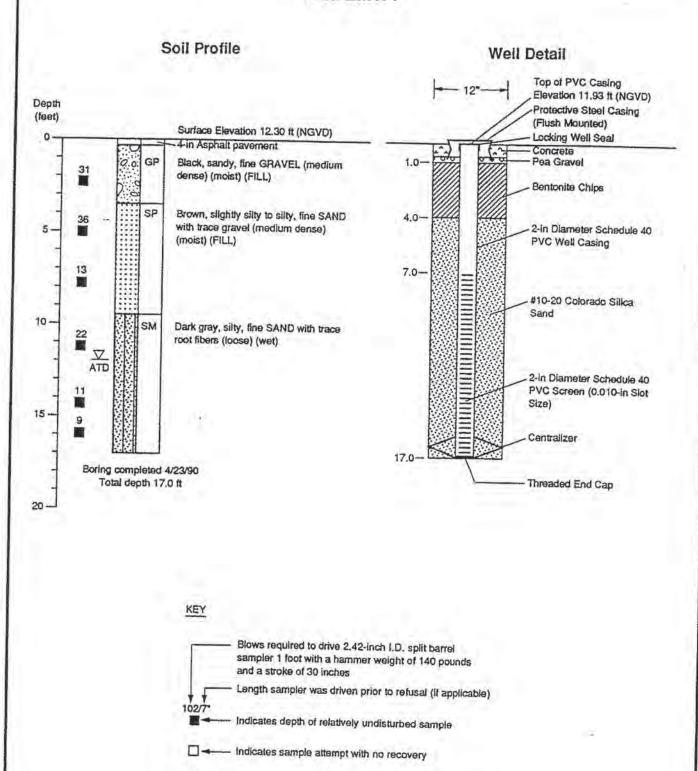


25-52.10 Boolng/First Intensiale/Environmental Site Assessment/Final Report 8/8/30

LANDAU ASSOCIATES, INC.

Soil Profile and Well Detail for Well DMW6

Well EMW1

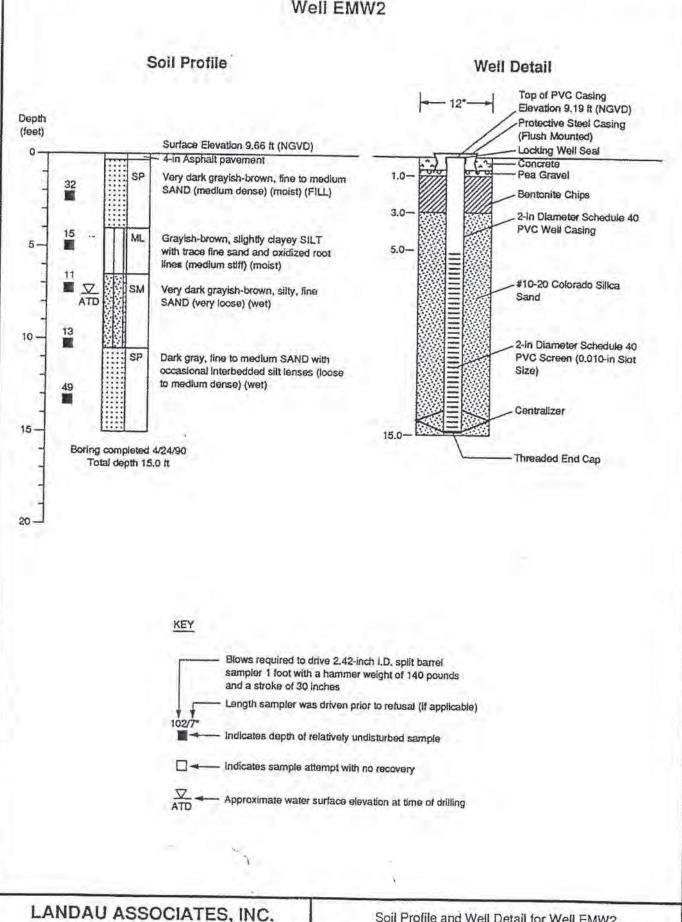


LANDAU ASSOCIATES, INC.

Soil Profile and Well Detail for Well EMW1

Approximate water surface elevation at time of drilling

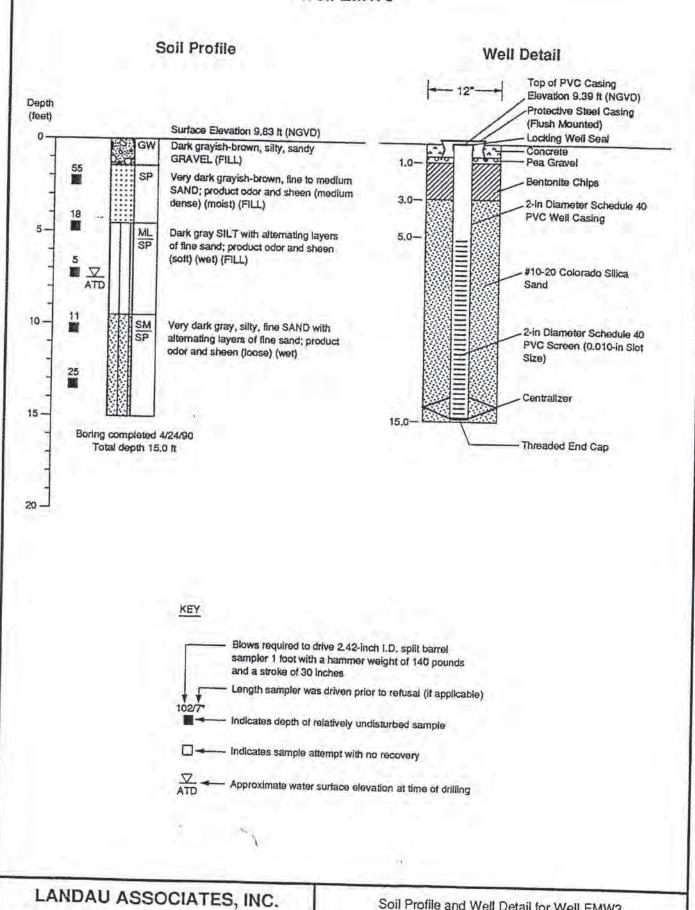
Well EMW2



Boeing/First Interstate/Environmental Site Assessment/Final Report 6/8/90 25-52.10

Soil Profile and Well Detail for Well EMW2

Well EMW3

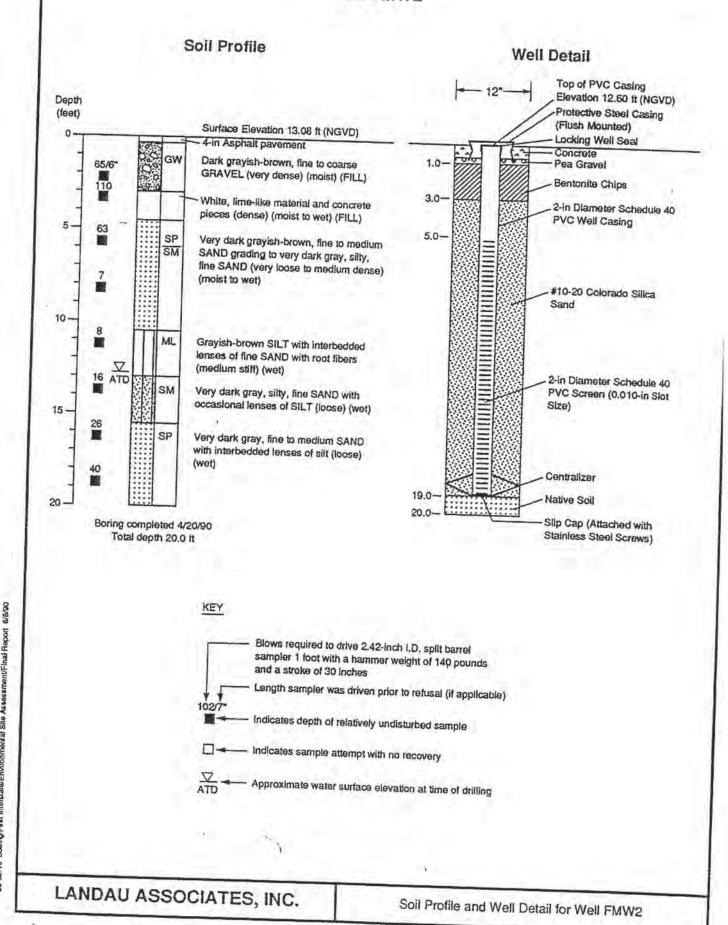


25-52.10 Boeing/First Intensiale/Environmental Site Assessment/Final Report 6/8/90

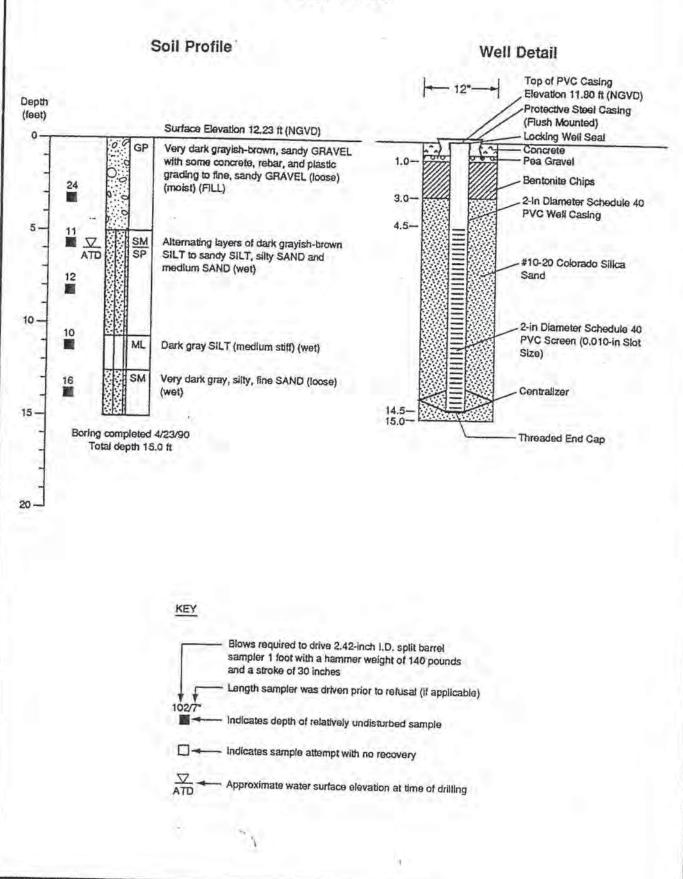
Soil Profile and Well Detail for Well EMW3

B-34

Well FMW2



Well FMW3



25-52,10 Bosing/First Intenstate/Environmental Site Assessment/Final Report 6/8/90

LANDAU ASSOCIATES, INC.

Soil Profile and Well Detail for Well FMW3

SI	R	Bothel	20th Avenue I, Washington none: 425.402	98021		· · ·	-L IV	OIVID	PAGE 1 OF
		wley Marine				PROJECT NAME			
PROJE	CT NU	MBER _001	.0205.000	11		PROJECT LOCATION Seattle, WA			
						TED _6/12/08 GROUND ELEVATION Drilling GROUND WATER LEVELS:	HOLE	SIZE 8-	inch diameter
						ger			
						D BY AT END OF			
NOTES						AFTER DRILLING			
O DEPTH (ft) INTERVAL	TYPE	NAME	BLOW COUNTS PER FOOT (N VALUE)	U.S.C.S.	GRAPHIC	MATERIAL DESCRIPTION	PID (ppm)	WE	ELL DIAGRAM
				đ	000	SAND and GRAVEL, brown, fine to coarse grained, little silt, dense, moist.			- Cement
-			1.3		0000				Hydrated bentonite chips
X	МС		60		200	SAND, brown, fine to medium grained, trace silt, loose, moist to wet.	0		Blank 2-inc schedule 40 PVC riser
5	МС	CMW1-5	15	SP			0		
						SILTY SAND, dark brown, fine to coarse sand, some medium to coarse gravel, loose, moist to wet.			2/12 Lapis Lustre sand
X	МС		10	SM		and a second graves, record, most to wet.	0		pack
10	MC		6				, a		
_						SAND, dark brown, fine to coarse grained, few red and white grains, little silt, very loose, moist to wet.	0		2-inch schedule 40 PVC
-X	MC		3	SP		₹	0		0.010-inch slotted scree
				SM		Becomes, grey, fine grained, with few wood pieces and sulfur-like odor. SILTY SAND, grey, fine to medium grained, very loose,			
15	MC		3	SP ML		14.5 wet, sulfur-like odor. 15.0 SAND, rusty brown, fine to coarse grained, trace silt, very losse, wet, sulfur-like odor.	0		
J	272					SANDY SILT, grey, fine sand, soft, wet, sulfur-like odor. SILTY SAND, grey, fine grained, very loose, wet, sulfur-like odor.			
	МС	- 1	4	SM		18.5	0		End cap
20	мс		14	SP		SAND, dark grey/black, fine to coarse grained, few red and white grains, loose, wet, no odor.	0		
						Boring completed at 20.0 feet below ground surface.		2,200	
REMAI	RKS								

SI.R Int	R	Bothe	2 20th Avenue ell, Washington hone: 425.402 425.402.8488	98021		WEI	LL NU	JMBER CMW-2 PAGE 1 OF
		wley Marine		-		PROJECT NAME		
		UMBER 00				PROJECT LOCATION Seattle, WA		
						ED _6/12/08 GROUND ELEVATION	HOLE S	IZE 8-inch diameter
						GROUND WATER LEVELS:		
						BY AT END OF		
	s				7.	AFTER DRILLING		
O DEPTH (#)	INTERVAL	NAME	BLOW COUNTS PER FOOT (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
5	Mo		8, 50/1"	sw		SILTY SAND, dark brown, fine-grained, wet, sulfur-like odor.	0	2/12 Lapis Lustre sand pack 2-inch schedule 40 PVC, 0.010-inch slotted screen
	MC	2	4			0.80	3	End cap

LR Internat		Bothell Teleph orp Fax: 42		98021		BORING NUMBER CMW PAGE 1	
ROJECT		9-7-1-1	Services .0205.0001	11		PROJECT LOCATION Seetle MA	
					MPLET	PROJECT LOCATION Seattle, WA HOLE SIZE 8-inch diameter	ar.
						orilling GROUND WATER LEVELS:	
RILLING	DRILL	ING MET	HOD Holl	ow St	em Aug	er AT TIME OF DRILLING 11.5 ft	
	BY K	Saganski		CH	ECKED	BY AT END OF	
IOTES _	_					AFTER DRILLING	=
O CELTIN (ft) INTERVAL	TYPE	NAME	BLOW COUNTS PER FOOT (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (mom)
	7	- 1			000	SAND AND GRAVEL.	F
11		a 11		GP	000		
1				100	00		
-M	мс		30		200	SAND, brown, fine- to medium-grained, little silt, moist.	0
()	C	MW2-4a	1 4 1	SP			-
5	MC		27	SP			0
						5.2': Trace coarse gravel, becomes wet.	
M	мс		14, 50/1"	SP		GRAVELLY SAND, brown, fine-to medium-grained, trace silt, moist to wet.	0
			7 17 50/1	D 3	PRIC	7.5 SILTY GRAVEL, brown, fine- to coarse-grained, little fine-to coarse-grained sand,	-
	1.0	221		GM	343	moist to wet.	
10	мс		11.		: 25	9.4': With wood.	
					DI.Y.	9.4': With wood. SAND, brown, fine- to medium-grained, little silt, moist to wet.	+
-						Ā	
	MC		50/6"	SP		No recovery; rock in sampler.	
-						13.5	
+			0 0 - 0			GRAVEL AND SAND, brown, fine-to coarse-grained, little silt, wet.	1
15	MC		8, 50/4"	sw		16.2	
					j	15.3 Boring completed at 15.3 feet below ground surface.	

		Bothell, Telepho Corp Fax: 42		98021						PAGE 1 OF
	-	MBER 001		14	_		PROJECT NAME	_		
DATE S DRILLIN DRILLIN LOGGE	TARTI NG DRI NG DRI D BY	ED 6/12/08 LLING CON LLING MET	TRACTOR	Co Cas ow Ste	cade D em Aug	ED _6/12/08 rilling er BY	GROUND WATER LEVELS:			
O DEPTH (ft) INTERVAI	TYPE	NAME	BLOW COUNTS PER FOOT (N VALUE)	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION	PID (ppm)	WEL	L DIAGRAM
				sw		GRAVEL ANI little silt, mois	D SAND, brown, fine- to coarse-grained, it to wet.			Cement Hydrated bentonite chips Blank 2-inch
	MC		49	135		3.5 SAND brown	, fine- to medium-grained, trace silt, moist.	0		schedule 40 PVC riser
5	мс	CMW3-5	24				o coarse gravel.	0		
•	мс		23	SP				0		2/12 Lapis Lustre sand pack
10						9.2': Become				
	МС	CMW3-10		GW	3	coarse-graine	VEL, dark gray to black, fine- to ed, some silt, chemical odor. es brown, no chemical odor.	0		2-inch schedule 40
×	МС					SILTY SAND,	brown, fine- to coarse-grained, little fine to l, wet, no odors.	0		PVC, 0.010-inch slotted scree
15				SM						
				sw		SAND, brown white grains.	, fine- to coarse-grained, wet, few red and			
1	МС		5			19.5				End cap
REMA	ARKS						eted at 19.5 feet below ground surface.			

WELL NUMBER CMW-4 22122 20th Avenue SE Bothell, Washington 98021 Telephone: 425,402,8800 SLR International Corp. Fax: 425.402.8488 CLIENT Crowley Marine Services PROJECT NAME PROJECT NUMBER 001.0205.00011 PROJECT LOCATION Seattle, WA DATE STARTED 6/13/08 COMPLETED 6/13/08 GROUND ELEVATION HOLE SIZE 8-inch diameter DRILLING DRILLING CONTRACTOR Cascade Drilling **GROUND WATER LEVELS:** DRILLING DRILLING METHOD Hollow Stem Auger AT TIME OF DRILLING -LOGGED BY K Saganski CHECKED BY AT END OF _--NOTES AFTER DRILLING ---BLOW COUNTS PER FOOT (N VALUE) GRAPHIC (mdd) INTERVAL U.S.C.S. MATERIAL DESCRIPTION WELL DIAGRAM DID GRAVEL. 0 0.8 Cement SAND, brown, fine- to medium-grained, some fine to Hydrated coarse gravel, little silt, moist. bentonite chips MC 45 0 Blank 2-inch schedule 40 PVC riser CMW4-5 0 24 SILT, brown to gray, little brick, wood, and gravel, little ML fine- to coarse-grained sand, moist. 6.0 SANDY SILT, brown, little brick and fine to coarse gravel, -2/12 Lapis moist to wet. Lustre sand 0 MC ML 10 pack SILTY SAND, dark brown, fine- to medium-grained, wet, slight sheen, no odors. SM 0 MC 27 10.0 10 SAND, dark brown, fine- to medium-grained, some brick 2-inch and metal, little fine to coarse gravel, little silt, wet. schedule 40 PVC. SP 0.010-inch 0 MC 23, 50/4" 11.7': Concrete and sand. slotted screen 12.6 SAND, gray, fine- to medium, little silt, wet. SP 14.4': Becomes brown, some fine to coarse gravel. 0 MC 27 15 SAND, dark brown to black, fine- to coarse-grained, little GDT 7/9/08 silt, little gravel, wet, few red and white grains. SW 0 MC 14 GINT Boring completed at 18.4 feet below ground surface. GPJ CROWLEY MARINE SVCS1

REMARKS

SLR In	iternationa		I, Washington ione: 425.402 25.402.8488								
CLIE	NT Crov	vley Marine	Services			PROJECT NAME					
PROJ	ECT NU	MBER _001	.0205.000	11		PROJECT LOCATION Se	eattle, WA				
						ED 6/13/08 GROUND ELEVATION		HOLE S	IZE_8	B-inc	h diameter
						Orilling GROUND WATER LEVELS	S:				
						ger AT TIME OF DRILLII					
			i	_ CH	ECKE	BY AT END OF				-	
NOTE	S	_		1	T	AFTER DRILLING _		, ,			
O DEPTH	INTERVAL	NAME	BLOW COUNTS PER FOOT (N VALUE)	U.S.C.S.	GRAPHIC	MATERIAL DESCRIPTION		PID (ppm)	W	/ELL	. DIAGRAM
		-		GP	000	0.8 GRAVEL.	- Long			-	- Cement
						SAND, brown, fine- to medium-grained, trace	e silt, moist.	-		1	- Hydrated
. 4	MC		50/3"	SP				0	111	111	bentonite chips
2 1 4				1							Blank 2-inc
						SAND, brown, fine- to coarse-grained, some	silt, little fine		E		PVC riser
5	MC	CMW5-5	50/2"			to coarse gravel, moist.		0			
5			1	sw					E		
۲,		421	123	SVV							
	V		200					30	E	2/12 Lapis Lustre sar	
	MC		22	014	गपन	7.6 SILTY GRAVEL, brown, fine to coarse, little	fine- to	0			pack
	1119		1 2 3	GM	:8:	8.5 coarse-grained sand, moist. CONCRETE AND SAND, brown to gray, fine-coarse-grained, little silt, moist to wet.					
	V	1 7 1	V 35 T			coarse-grained, little silt, moist to wet.	- 10				
10	MC		30	sw				0			
-			Z E T						E		- 2-inch schedule 4
	МС		50/6"			12.0 7 12': Refusal; moved 22' to the north.			E		PVC, 0.010-inch
	A		50/0	sw		CONCRETE, REBAR AND SAND, Drown, Tine	e- to	1 1			slotted scre
			1234			13.3 coarse-grained, little silt, moist. SILTY SAND, dark brown, fine- to medium-g	rained wet				
- 2	7=		*	SM		few red and white grains.	ramos, wot,				
15	MC		6	CD		SAND, dark brown, fine-grained, little silt, we	et.				
				SP		16.0					
			71771			SAND, dark brown, fine- to medium-grained, wet, few red and white grains.	trace silt,				
	MC	2.1	8	SP		, , , , , , , , , , , , , , , , , , , ,					
			17.5			18.4					-End cap

WELL NUMBER CMW-6 22122 20th Avenue SE Bothell, Washington 98021 Telephone: 425.402.8800 SLR International Corp Fax: 425.402.8488 CLIENT Crowley Marine Services PROJECT NAME PROJECT NUMBER 001.0205.00011 PROJECT LOCATION Seattle, WA GROUND ELEVATION HOLE SIZE 8-inch diameter DATE STARTED 6/13/08 COMPLETED 6/13/08 DRILLING DRILLING CONTRACTOR Cascade Drilling GROUND WATER LEVELS: AT TIME OF DRILLING 11.1 ft DRILLING DRILLING METHOD Hollow Stem Auger LOGGED BY K Saganski CHECKED BY AT END OF _-AFTER DRILLING ---NOTES LOW COUNTS PER FOOT (N VALUE) GRAPHIC (mdd) DEPTH (ft) NTERVA U.S.C.S. TYPE MATERIAL DESCRIPTION WELL DIAGRAM Ole GRAVEL. 000 Cement GP SAND, brown, fine- to medium-grained, some fine to coarse gravel, trace silt, moist. Hydrated SP bentonite chips MC 26 0 SILTY SAND, fine- to medium-grained, some fine to Blank 2-inch coarse gravel, moist. schedule 40 PVC riser MC 16 0 CMW6-5 5': Some concrete and asphalt fragments. SM 6.5': Brick and concrete fragments. MC 13 0 2/12 Lapis Lustre sand pack GRAVEL AND SAND, brown, fine- to coarse-grained. little silt, moist to wet, some cobbles. MC 26 0 10 V SW 11.5': Becomes brown to black, few wood and brick MC fragments, becomes wet. 0 2-inch 13, 50/6" schedule 40 PVC. 0.010-inch slotted screen 14': Concrete.
SAND, reddish brown to gray, fine- to medium-grained, 0 MC 10 15 few silt, wet, few red and white grains. SP US.GDT MC 0 GPJ Boring completed at 19.9 feet below ground surface. MARINE SVCS1 CROWLEY REMARKS GENERAL ✓ Water level at time of drilling.

SIR In	Litern	R	Bothell	20th Avenue , Washington one: 425.402 25.402.8488	98021			WEL	L N	UMB	PAGE 1 OF
CLIE	TI.	Crow	ley Marine	Services				PROJECT NAME			
PROJ	EC	T NUI	MBER _001	.0205.0001	11			PROJECT LOCATION Seattle, WA			
DATE	ST	ARTE	6/13/08		CO	MPLE	TED 6/13/08	GROUND ELEVATION	HOLE	SIZE 8	-inch diameter
DRILL	INC	G DRI	LLING CON	TRACTOR	Cas	cade [Drilling				
DRILL	INC	G DRI	LLING MET	HOD Holl	ow St	em Au	ger	✓ AT TIME OF DRILLING 11.0 ft			
LOGO	SED	BY_	K Sagansk	i	CH	ECKE	D BY	AT END OF			
NOTE	S_							AFTER DRILLING			
O DEPTH (ft)	INTERVAL	TYPE	NAME	BLOW COUNTS PER FOOT (N VALUE)	U.S.C.S.	GRAPHIC		MATERIAL DESCRIPTION	PID (ppm)	w	ELL DIAGRAM
U	П	-		-	GP	000	GRAVEL AND	SAND, little silt.			- Cement
1	-		12.1	12.1		01	SAND, brown,	fine- to medium-grained, moist.			Cernent
	M	мс	===	13, 50/6"					0		Hydrated
		M.Z		14,3408	SP				-		bentonite
				709							chips
4			2				4.5			-	Blank 2-inch schedule 40
5	M	MC	CMW7-5	44	SM		5.1 SILTY SAND,	gray, fine- to medium-grained, some gravel	0		PVC riser
			-				SAND, brown,	fine- to medium-grained, moist.		₩	
				10.0					1/ 1		
10	V	V.2			SP		7': Slight chem	nical odor	Cont.	-{ · =	
	À	MC					and a significant		8.9		2/12 Lapis Lustre sand
			0.04		h		9.0		1		pack
1					77	100	SAND, brown,	fine-grained, trace silt, moist to wet,			
10					-		slough.	th 2" thick silt lens, bits of wire and brick in			
	M	MC		9	SP		立				
							12.0				
	Ц						SILTY SAND,	brown, fine-grained, wet, interbedded with			2-inch schedule 40
6 C	М	МС	155 1	7	SM		1-2 INICK SIII a	nd sand lenses.			PVC, 0.010-inch
	Δ			10 %							slotted scree
15	М	МС	1 1	6			14.5 SAND, dark br	own to black, fine- to medium-grained, wet,			
10 11	Δ	227					few red and wh				
	V			147	SP		16.5': Color gra	ades from brown to reddish brown, then to			
	Α	MC		11	0,		black.	Man.			
							17.7': Wood ch	nunk.			
Ø.			14-11								
_						12555		ted at 19.7' below ground surface.	1	16.5	End cap
							19.7 Boring comple	ted at 19.7' below ground surface.			End ca
REI	VΙΑ	RKS				-					
ŽΜ	ate	r leve	at time of	drilling.							

PAGE 1 OF 1

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIE	NT .	8th A	venue Term	ninals,	Inc.			PROJECT NAME 8th Avenue Terminals, Inc. Site			
PRO.	IEC	T NUN	IBER 101.	00205	5.0001	19		PROJECT LOCATION _7400 8th Ave. S.	Seattle,	WA	
DATE	ST	ARTE	D 8/22/11			COM	PLETED 8/22/11	GROUND ELEVATION 12.55'	HOLE S	SIZE 8-inch-diameter	
DRIL	LING	G CON	ITRACTOR	ESN	I-NW			GROUND WATER LEVELS:			
DRIL	LING	MET	HOD Dire	ct Pus	h/Hol	low-Ste	em Auger	$\overline{igspace}$ AT TIME OF DRILLING $\underline{}$ 10.0 ft			
LOG	GED	BY _	C. Lee			CHE	CKED BY M. Staton	AT END OF			
NOTE	NOTES							AFTER DRILLING			
O DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG		TERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM	1
	\ /					D D D		III) bassas fina anaisa d little fina	0.0		
-	1 / /		SLR1-1*		SP			LL), brown, fine-grained, little fine ocarbon-like odors or staining.		Concrete	
	↓	GP		100			SAND (FILL), brown, f hydrocarbon-like odor	ine-grained, damp to moist, no	0.0		
	$ \Lambda ^{\frac{1}{2}}$	SI D1 2				Trydrocarbon-like odor	s or stairing.	0.0	Hydrated		
	V	SLR1			SP				0.0	bentonite	
-									0.0	2"-diamet	ter
5	$\frac{1}{2}$						5.0 @ 4.5 feet: Becomes SILTY SAND (FILL) d	ark gray, very fine-grained, little fines,	-	Sch. 40 P	PVC
L .	↓	GP	SLR1-6*	100			moist to wet, no hydro	carbon-like odors or staining.	0.0	Diank rise	71
	$ \Lambda $								0.0		
	\mathbb{V}		SLR1-7.5						0.0	10x20 sili	ica
-	Н				SM				0.0	sand pacl	k
	A/A								0.0		
10	JVI	GP	SLR1-10*	50			∇		0.0	2"-diamet	tor
	$ \Lambda $	Oi	SEIVI-10	50			@ 10.0 feet: Become	s wet.	0.0	Sch. 40 P	PVC
-	1/ \						11.5		0.0	0.020"-slo screen.	Juea
							SAND , dark gray, very odors or staining.	fine-grained, wet, no hydrocarbon-like	0.0		
	\mathbb{N}		SLR1-12.5		SP		g-		0.0		
	IVI						14.0		0.0		
-		GP		100				ay, very fine-grained, little fines, wet, no	0.0		
_ 15	$\ \cdot\ $		SLR1-15		SM		hydrocarbon-like odor	s or staining.	0.0	2"-diamet	
	$ \rangle$						16.0		0.0	Sch. 40 P end cap.	
l							Boring completed at 1	6.0 feet			

WELL COMPLETION DETAILS:

0.3 to 5.0 feet: 2"-diameter Sch. 40 PVC blank riser.
5.0 to 14.8 feet: 2"-diameter Sch. 40 PVC 0.020"-slotted screen.
14.8 to 15.1 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 2.0 feet: Concrete.

2.0 to 4.0 feet: Hydrated bentonite chips. 4.0 to 16.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

 \subseteq Water level at time of drilling.

SLR MW LOG 8TH AVE TERMINALS INC.GPJ GINT US.GDT 9/20/12

PAGE 1 OF 1

SLR

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJECT NAME 8th Avenue Terminals, Inc. Site **CLIENT** 8th Avenue Terminals, Inc. PROJECT LOCATION 7400 8th Ave. S, Seattle, WA **PROJECT NUMBER** 101.00205.00019 DATE STARTED 8/19/11 COMPLETED 8/19/11 GROUND ELEVATION 11.49' HOLE SIZE 8-inch-diameter **DRILLING CONTRACTOR** ESN-NW **GROUND WATER LEVELS:** $\sqrt{2}$ AT TIME OF DRILLING 8.0 ft DRILLING METHOD Direct Push/Hollow-Stem Auger LOGGED BY C. Lee CHECKED BY M. Staton AT END OF NOTES AFTER DRILLING GRAPHIC LOG (mdd) U.S.C.S. NTERVAL RECOVERY TYPE NAME MATERIAL DESCRIPTION WELL DIAGRAM GRAVEL (FILL), brown, fine to medium, few fine-grained sand, GP 0.0 000 dry, no hydrocarbon-like odors or staining. 1.0 SLR2-1* Concrete SAND (FILL), grayish brown, fine-grained, damp to moist, no 0.0 hydrocarbon-like odors or staining. GP 80 0.0 Hydrated bentonite SLR2-3 SP chips 0.0 2"-diameter Sch. 40 PVC 0.0 5 blank riser SILT (FILL), gray, moist to wet, spongey texture, no 0.0 hydrocarbon-like odors or staining. GP SLR2-6* 100 0.0 0.0 10x20 silica sand pack SLR2-8 @ 8.0 feet: Becomes wet. 0.0 0.0 10 GP SLR2-10* 100 ML 2"-diameter Sch. 40 PVC 0.0 0.020"-slotted screen 0.0 SLR2-12.5 0.0 ② 13.0 feet: Few fine-grained sand. 0.0 GP 100 2"-diameter 0.0 Sch. 40 PVC 15 SLR2-15 end cap. SILTY SAND, dark gray, fine- to medium-grained, some fines, SM 0.0 wet, no hydrocarbon-like odors or staining. Boring completed at 16.0 feet.

WELL COMPLETION DETAILS:

0.3 to 4.2 feet: 2"-diameter Sch. 40 PVC blank riser.

4.2 to 14.0 feet: 2"-diameter Sch. 40 PVC 0.020"-slotted screen.

14.0 to 14.3 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 2.0 feet: Concrete.

2.0 to 3.0 feet: Hydrated bentonite chips.3.0 to 16.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

 \supseteq Water level at time of drilling.

SLR MW LOG 8TH AVE TERMINALS INC.GPJ GINT US.GDT

PAGE 1 OF 1

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIEN	NT _	8th A	venue Term	ninals,	Inc.			PROJECT NAME 8th Avenue Terminals, Inc. Site					
PROJ	EC	Γ NUN	IBER _101.	00205	5.0001	19		PROJECT LOCATION 7400 8th Ave. S,	Seattle, V	VA			
DATE	ST	ARTE	D 8/19/11			COI	MPLETED 8/19/11	GROUND ELEVATION 12.27'	HOLE SIZ	ZE 8-inch-diameter			
DRILL	INC	CON	ITRACTOR	ESN	I-NW			GROUND WATER LEVELS:					
DRILL	ING	MET	HOD Direc	ct Pus	h/Holl	low-S	tem Auger	$\sqrt{}$ AT TIME OF DRILLING 8.0 ft					
LOGG	ED	BY _	C. Lee			CHE	CKED BY M. Staton						
NOTE	S							AFTER DRILLING					
o DEPTH (ft)	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG		ERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM			
	M					00(0.5 ASPHALT.	fine to medium, few fine-grained sand,	0.0				
	1\/		SLR3-1*		GP	800	dry, no hydrocarbon-lik	ke odors or staining.	0.0	Concrete			
		GP	SLR3-3	80	SP		GRAVELLY SAND (FIL	L) , brown, fine-grained, some fine to no hydrocarbon-like odors or staining.	0.0	Hydrated bentonite chips 2"-diameter			
5		GP	SLR3-6*	100			or staining.	moist to wet, no hydrocarbon-like odors	0.0	Sch. 40 PVC blank riser 10x20 silica sand pack			
_ 10		GP	SLR3-8 SLR3-10*	100	ML		@ 8.0 feet: Becomes 11.0 SAND, dark gray, fine-hydrocarbon-like odors	grained, few fines, wet, no	0.0	2"-diameter Sch. 40 PVC 0.020"-slotted screen.			
		0.0	SLR3-12.5	00	SP		Tryurocarbon-like odors	s of Stalling.	0.0	2"-diameter			
15		GP	SLR3-15	30			16.0 Boring completed at 16	3∩feet	0.0	Sch. 40 PVC end cap.			

WELL COMPLETION DETAILS:

0.3 to 3.9 feet: 2"-diameter Sch. 40 PVC blank riser.
3.9 to 13.7 feet: 2"-diameter Sch. 40 PVC 0.020"-slotted screen.
13.7 to 14.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 2.0 feet: Concrete.

2.0 to 3.0 feet: Hydrated bentonite chips. 3.0 to 16.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

 \subseteq Water level at time of drilling.

SLR MW LOG 8TH AVE TERMINALS INC.GPJ GINT US.GDT 9/20/12

BORING NUMBER SLR-4

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIE	NT	8th A	venue Tern	ninals	, Inc.		PROJECT NAME 8th Avenue Terminals, Inc. Site	
PRO.	JEC	T NUN	/IBER _101	.0020	5.000	19	PROJECT LOCATION 7400 8th Ave. S, Seattle, WA	
DATE	E ST	ARTE	D 8/19/11			СОМ	PLETED 8/19/11 GROUND ELEVATION 16.60' HOLE SIZE 8-inch-diameter	
DRIL	LIN	G CON	NTRACTOR	ESN	N-NW		GROUND WATER LEVELS:	
DRIL	LIN	G MET	HOD Dire	ct Pus	sh/Hol	low-Ste	em Auger AT TIME OF DRILLING 11.0 ft	
LOG	GED	BY _	C. Lee			CHE	CKED BY M. Staton AT END OF	
NOTI	ES _						AFTER DRILLING	
O DEPTH	INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	1				GP		GRAVEL (FILL), tan, fine to medium, few fine-grained sand, damp, no hydrocarbon-like odors or staining.	0.0
-	1\/		SLR4-1*				SAND (FILL), brown, fine-grained, damp, no hydrocarbon-like odors or staining.	0.0
-	$\frac{1}{\sqrt{1}}$	GP		100				0.0
	\mathbb{N}		SLR4-3		SP			0.0
	V		OLIN4-3				4.0	0.0
<u> </u>	1						CONSTRUCTION DEBRIS (FILL), brick, wood pieces, few fines, moist, no hydrocarbon-like odors or staining.	0.0
_ 5	╢/		SLR4-5*				5.5	0.0
-	-	GP		100			SAND (FILL), dark gray, fine-grained, moist to wet, no hydrocarbon-like odors or staining.	0.0
								0.0
	\mathbb{V}		SLR4-7.5					0.0
					0.0			0.0
-	$\exists \forall f$				SP			
_ 10	1 1	GP	SLR4-10*	100				0.0
							abla	0.0
	$\sqrt{\ \ }$						@ 11.0 feet: Becomes wet.	0.0
-			SLR4-12.5				SAND, brown, fine-grained, wet, no hydrocarbon-like odors or staining.	0.0
-	$- \cdot $							
ļ.,	1	GP		100	SP			0.0
1,5	1/							0.0

Boring completed at 16.0 feet.

@ 15.0 feet: Becomes gray.

REMARKS

SLR4-15

PID = Photoionization detector.

* = Sample submitted for laboratory analysis.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

 $\overline{igspace}$ Water level at time of drilling.

BORING NUMBER SLR-5

PAGE 1 OF 1

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIE	NT	8th A	venue Terr	ninals,	, Inc.			PROJECT NAME 8th Avenue Terminals, Inc. Site	
PRO.	JEC	T NUN	IBER 101	.0020	5.000	19		PROJECT LOCATION 7400 8th Ave. S, Seattle, WA	
DATE	E ST	ARTE	D 8/22/11			COMPLETE	D _8/22/11	GROUND ELEVATION 12.20' HOLE SIZE 8-inch-diameter	er
DRIL	LING	G CON	ITRACTOR	ESN	N-NW			GROUND WATER LEVELS:	
DRIL	LIN	G MET	HOD Dire	ct Pus	sh/Hol	llow-Stem Aug	er	$\sqrt{2}$ at time of drilling $8.5 \mathrm{ft}$	
LOG	GED	BY _	C. Lee			CHECKED E	BY M. Staton	AT END OF	
NOTI	ES _							AFTER DRILLING	
o DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION	PID (ppm)
	1					2 0.0	CONCRETE.		0.0
-	-		SLR5-1		GP	609	hydrocarbon-like odd	LL), brown, fine to medium, some fine-grained sand, damp, no or staining.	
_	١٧.	GP		30		2.0			0.0
	$ \Lambda $	0.					SAND (FILL), gray, f	ine-grained, moist, moderate hydrocarbon-like odor and sheen.	0.0
	7/\		SLR5-3*						24.2
- 5					SP				14.7
	_	GP	SLR5-6*	100					20.1
	$ \Lambda $	01	OLINO 0	100		6.5	SILT (FILL) brown	moist to wet, no hydrocarbon-like odors or staining.	35.0
-	7/\		SLR5-7.5*				0.12.1 (1.122) , 5.10, 1	noist to vot, no nyurocarson into outro or ottaming.	1.9
-	+		OLIKO-7.0		ML				
	1/					9.0	@ 8.5 feet: Become	es wet.	0.0
10	V						SAND, black, fine-gr	ained, wet, no hydrocarbon-like odors or staining.	0.0
_ 10	1	GP	SLR5-10*	100					0.0
-	- /								0.0
	$/ \setminus$								0.0
			SLR5-12.5		SP				0.0
-	$- \cdot $								
-	-	GP		100					0.0
15									0.0
⊢ .~	ا/ /ا ⊢		SLR5-15			10 (0.04)			

Boring completed at 16.0 feet.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

 $\overline{igspace}$ Water level at time of drilling.

PAGE 1 OF 1

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIEN	T 8th	Avenue Tern	ninals,	Inc.		PROJECT NAME 8th Avenue Terminals,	Inc. Site	e
PROJE	CT NU	IMBER _101	.0020	5.0001	19	PROJECT LOCATION _7400 8th Ave. S, S	Seattle,	WA
DATES	START	ED 8/19/11			COM	PLETED <u>8/19/11</u> GROUND ELEVATION <u>12.75'</u> H	HOLE S	IZE 8-inch-diameter
DRILLI	NG CC	NTRACTOR	ESN	I-NW		GROUND WATER LEVELS:		
DRILLI	NG ME	THOD Dire	ct Pus	h/Holl	low-St	em Auger — — — AT TIME OF DRILLING 8.5 ft		
LOGGE	ED BY	C. Lee			CHE	CKED BY M. Staton AT END OF		
NOTES	.					AFTER DRILLING		
OEPTH (ft)	INTERVAL	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
	GF	SLR6-1* SLR6-3	50			0.5 CONCRETE. 1.0 GRAVEL (FILL), gray, fine, dry, no hydrocarbon-like odors or staining. SAND (FILL), brown, fine-grained, damp, no hydrocarbon-like odors or staining.	0.0 0.0 0.0 0.0	 Concrete Hydrated bentonite chips 2"-diameter
5	GF		50	SP		@ 5.0 feet: Few fines. 7.0 SANDY SILT (FILL), brown, some fine-grained sand, moist to	0.0	Sch. 40 PVC blank riser
10	GF	SLR6-7.5 SLR6-10*	75	ML		wet, no hydrocarbon-like odors or staining.	0.0 0.0 0.0 0.0	2"-diameter Sch. 40 PVC 0.020"-slotted screen.
	GF	SLR6-12.5 SLR6-15	75	SP		GRAVELLY SAND, brown, fine-grained, some fine gravel, trace fines, wet, no hydrocarbon-like odors or staining. 16.0	0.0 0.0 0.0 0.0	2"-diameter Sch. 40 PVC end cap.

Boring completed at 16.0 feet.

WELL COMPLETION DETAILS:

0.3 to 3.9 feet: 2"-diameter Sch. 40 PVC blank riser.
3.9 to 13.7 feet: 2"-diameter Sch. 40 PVC 0.020"-slotted screen.
13.7 to 14.0 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 2.0 feet: Concrete.

2.0 to 3.0 feet: Hydrated bentonite chips. 3.0 to 16.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

 \subseteq Water level at time of drilling.

SLR MW LOG 8TH AVE TERMINALS INC.GPJ GINT US.GDT 9/20/12

PAGE 1 OF 1



22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIEN	TI	8th A	venue Tern	ninals,	Inc.		PROJECT NAME 8th Avenue Terminals,	Inc. Site	9
PROJ	EC	T NUN	IBER 101	.00205	5.0001	19	PROJECT LOCATION 7400 8th Ave. S, S	Seattle, \	WA
DATE	ST	ARTE	D 8/22/11			COM	PLETED <u>8/22/11</u> GROUND ELEVATION <u>14.60'</u> I	HOLE SI	ZE 8-inch-diameter
DRILL	INC	CON	NTRACTOR	ESN	I-NW		GROUND WATER LEVELS:		
DRILI	INC	MET	HOD Dire	ct Pus	h/Hol	low-St	em Auger AT TIME OF DRILLING _9.5 ft		
LOGG	ED	BY _	C. Lee			CHE	CKED BY M. Staton AT END OF		
NOTE	S						AFTER DRILLING		
O DEPTH	INTERVAL	TYPE	NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
		GP	SLR7-1*	100	GP		O.5 ASPHALT. SANDY GRAVEL (FILL), light brown, fine to medium, some fine-grained sand, dry, no hydrocarbon-like odors or staining. 2.0	0.0	Concrete
	$\frac{1}{2}$	<u> </u>	SLR7-3				SAND (FILL), brown, fine- to medium-grained, trace fine gravel, damp, no hydrocarbon-like odors or staining.	0.0	Hydrated bentonite chips
_ 5		GP	SLR7-5*	100	SP			0.0	2"-diameter Sch. 40 PVC blank riser
			SLR7-7.5				6.5 7.0 CONSTRUCTION DEBRIS (FILL), brick. SAND (FILL), dark gray, very fine-grained, few fines, moist to wet, no hydrocarbon-like odors or staining.	0.0	- 10x20 silica sand pack
 10 		GP	SLR7-10*	100	SP		10.0 © 9.5 feet: Becomes wet. SILT (FILL), dark gray, few very fine-grained sand, wet, no hydrocarbon-like odors or staining.	0.0	2"-diameter Sch. 40 PVC 0.020"-slotted screen.
 		GP	SLR7-12.5	100	ML			0.0	
	$/ \setminus$		SLR7-15				16.0	0.0	2"-diameter Sch. 40 PVC end cap.

Boring completed at 16.0 feet.

WELL COMPLETION DETAILS:

0.3 to 4.2 feet: 2"-diameter Sch. 40 PVC blank riser.
4.2 to 14.0 feet: 2"-diameter Sch. 40 PVC 0.020"-slotted screen.
14.0 to 14.3 feet: 2"-diameter Sch. 40 PVC end cap.

0.0 to 2.0 feet: Concrete.

2.0 to 3.0 feet: Hydrated bentonite chips. 3.0 to 16.0 feet: 10x20 Colorado silica sand.

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

 \subseteq Water level at time of drilling.

SLR MW LOG 8TH AVE TERMINALS INC.GPJ GINT US.GDT 9/20/12

			EE SITE			Project No.: 00255-001-01		.og of Boring/Monitoring Well:
		_		_	ADF D	ILLING INC.; CME 55 Logged By: DJD		HA-1
			A & HA	t. unut	,,,,,,,	Monitoring Device: PID		
			6/94 1	120				Comments:
First Wa		_		120	_	Finish Date/Time: 7/6/94 1207		
- ASL MU	_	3). 0.	1 1	_	_	Stabilized Water Level (bgs):		
er va	che	23	3	200	77	Surface Elevation: Casing Top Elevation	ı:	
Sample Interval/ Recovery (Inches)	Blows/6 Inches	PID (ppm)	(Feet)	USCS Symbol	Level	LITHOLOGIC DESCRIPTION		Boring Abandonment,
mple cove	OWS,	90	Depth	S	Water	(color, grain size, consistency, moisture, of	ther)	Well Construction Deta
S & S	200	ā	å	S	*	200, 200, 200, 200, 200, 200, 200, 200,		
	16.		0	-	-			
			1, 1		11	Rubble, brick and concrete, course gravels and sands, very dense	alightly domp	CONDI
			1. + .	1				F XX
11	HA	210	27		1			
			3-	-				+
			4-1					
1 1			- + .					F W W
11	7/0/12		5.7 :	SP.		Sand, dark gray (10'R 4/1), few gravel, mostly medium to coors molet, (10,90,0,0)	e sands, loose,	
7	4/5/8	9.9	6 -	SM	=	Sity Sand, dark gray (10YR 4/1), fine sand, some sit, loose, mo	sist to wet (0,60,40	1 × ×
			7.7 .	1	₩.			"L : XX
-			. + .	-		Boring terminated at 6.0 feet.		T. XXI
			18.7	1		Sampler advanced to 7.5 feet		E la constant
	V = 7		9 -		- 1	Boring abandoned on 7/6/94.		
-	133		10-		1::			E la company
0 =								E
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- F		2 1	12-					
			13-		1			
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Crowley 2A002409

Boring Lo Subcontr					ADE D	Project No.: 00255-001-01 RILLING INC.; CME 55 Logged By: 0J0	+	HA-2
Sampling						Monitoring Device: PID	Con	nments;
Start Dat		_		032	_		+ con	minents;
			0/34 0	334		Finish Date/Time: 7/6/94 1032	+	
First Wat	_	5):		1		Stabilized Water Level (bgs):	-	
Sample Interval / Recovery (Inches)	Blows/6 inches		÷	pot	-	Surface Elevation: Casing Top Elevation:	==	
2 P	9,	PID (ppm)	Depth (Feet)	USCS Symbol	Water Level	LITHOLOGIC DESCRIPTION		Boring Abandonment
cove	Swo/	(a)	tho	SS	ter	(color, grain size, consistency, moisture, other)	H	Well Construction Det
Se E	8	ā.	ă	Sn	×			
			0					
, ,	HA		11		::			CONDR
11	7.7			1		Rubble Brick and Concrete, Coarse Gravets and Set Sanda		F.
			T.					
111	3/15/17	23.6	3-	SM		Sand, dark grayish brown (107R 4/2), moetly fine to coarse sand, few medium dense, sightly damp (0,90,10,0)	-	
	. 8		4-	1 34	910	medium dense, signify damp (0,90,10,0)		
9.1.7			5 1			Unable to sample, encounter concrete		
	50	.*.	- + .			Boring terminated at 5.0 feet. Sampler advanced to 3.7 feet		
			6 7			Boring abandoned on 7/6/94.		E .
			7 -					
			8		12		i vi	
7			9 -	: : :				
+ + +			. + .	4				
3 1 10			10-					E.
	1		11 -					
1 . 3	0.0		12-					
3 2 2		1	13-	1				<u> </u>
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			14-1					
100	1		15-					- James Call
			16-	1.33		, , , , , , , , , , , , , , , , , , ,		
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		. 9	-		13		0.4	
		* *	25		1		2 1	
		13	26				1.3	
	1		27		5.3			L
	11	P. 3	28					
		4	-					E- 1-3
		- 1	29		1		6.9	
			30 —	1				

Crowley 2A002410

roject:					_	Project No.: 0025	5-001-01	Log of Boring/Monitoring Well: $HA\!-\!3$			
					ADE DE	LLING INC.; CME 55 Logged By: 0.00		TIA-3			
iampling	_					Monitoring Device: PID		Comments:			
lart Dat	_			210		Finish Date/Time: 7/6/94 12					
irst Wate						Stabilized Water Level (bgs):					
				100		Surface Elevation: Casing Top	Elevation:				
Iter	Blows/6 inches	~	Depth (Feet)	Symbol	Level			Boring Abandonment/			
es)	9/5	udd)	4	SS	a Le	LITHOLOGIC DESCRIP (color, grain size, consistency, mo	TION	Well Construction Detail			
Recovery (Inches)	Blow	PID (ppm)	Dep	USCS	Water	(color, grain size, consistency, me	disture, other)	Hell Sellett detion better			
		- 1	0 -				77				
20.00			1 1		4	Light gray rubble, concrete and gravel, very dense, at	ghtly damp	COVER			
14	HA		-					F			
11	HA	50.4	2.7		-						
3.3		9 6	3 -		2 . *			F W			
10			4								
			5	SM		Sand, brown (10YR 5/3), mostly fine to coorse sond,	trace sift, very dense, moist				
14	HA	37.3	+			(0,95,5,0) Boring terminated at 5.0 feet.	7				
: 1			6 -			Sampler advanced to 5.5 feet					
			7.			Boring abandoned on 7/6/94.					
			8		2.2						
1 1			+				******				
	, ,	30.0	9 -								
1 .			10-		1 6		9 6 4 8 6 4 4 4 8 1 1 2 2 2 2 2 2 3 3 2				
634			11 -								
	4 J		12		1.1						
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			30 1								
100		CO	-			Reviewed By:	Oate:				

Crowley 2A002411

			ARINE SI EE SITE		-	Project No.: 00255-001-01	Log of Boring/Monitoring Well:
	_				ADE DE	RILLING INC.; CME 55 Logged By: DJD	HA-4
	_		A & HA			Monitoring Device: PID	Comments:
			6/94		_	Finish Date/Time: 7/6/94 0920	Comments
irst Wat		_	0/31	7020		Stobilized Water Level (bgs):	
	_	337.					
Sample Interval/ Recovery (Inches)	Blows/6 inches	_	et.	loge	च	Surface Elevation: Casing Top Elevation:	Order M. J.
s) y	9/	PID (ppm)	Depth (Feet)	USCS Symbol	Moter Level	LITHOLOGIC DESCRIPTION	Boring Abandonment
che	lows	0	ep th	SCS	oter	(color, grain size, consistency, maisture, other)	Well Construction Det
ಗಿಪಿತ	80	a.		3	*		
	ļ., .		0				
77	KA	1-1	1 1	SP-SU		Sand with Gravel, Light brownish groy, (101R 6/2), a little line to medium rounded gravel, mostly line to boorse sand, fee salt, medium bense, slightly	
			2-		7.	Sand with Gravel, Light brownish gray, (107R 6/2), a little line to medium rounded gravel, mostly line to boarse sand, fee sit, medium dense, slightly moist, (15,75,10,0).	FI K
1		10	3 -	:	• •		
		¥ £	1		89		· · · · · · · · · · · · · · · · · · ·
		100	T.				
77	HÀ	20.2	5-	. SM	: :	Sity Sand, grayfelt brown (10178 5/2), mostly fine sond, some sit, medium of very moiet to set. (0.55,45,0)	
			6			Boring terminated at 5.0 feet. Sampler advanced to 5.5 feet	
		10	7.1		::	Boring abandoned on 7/6/94.	::: L :::::::::::::::::::::::::::::::::::
			+				
		2.3	8 1				
1 1		* 3	9 -		+ +		🗕 🖈
			10-		14		
3 3			11 1		2.0		
3.5	1				9.8		
			127				
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9.9		3 5	+				
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(i) (f)		0.0	17-				🗕 📗
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11			1.01		1.1		
10.4		2 3	13.1		7.7		: : : : : : : : : : : : : : : : : : :
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	. i .		22-		2 1		
			23		1 a		
		1			4 4		. 2. 2 February 1
		1	24		1		: : : : : : : : : : : : : : : : : : : : :
(3)4	7 1 1		25		10	• • • • • • • • • • • • • • • • • • • •	
			26	1 - 1	1 1	e e e e un compensar e un como e con encomprante de la como en como en como de la como en como en como en como	
			27				E
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141			29	0.00	2.04		
			30 1	9		** ** ***	

SLACOR Revised By: Date: Page_1_of_1_

			_	ERMCES				Log of Boring/Monitoring Well:				
Boring Lo					10.0	A STATE OF THE REAL PROPERTY.	Project No.: 00255-001-01	HA-5				
					ADE DE	ILLING INC.; CME 55	Logged By: DJD					
ampling Method: HSA & HA						Monitoring D		Comments:				
Start Dat			5/94	1010		Finish Date/						
irst Wat	er (bo	gs):				Stabilized We	oter Level (bgs):					
VOI.	hes			70		Surface Elevation:	Casing Top Elevation:					
Sample Interval/ Recovery (Inches)	Blows/6 inches	PID (ppm)	Depth (Feet)	USCS Symbol	Woter Level		HOLOGIC DECONDED	Boring Abandonment				
over hes)	#8/	9	#	SS	ler l	(color, grain	HOLOGIC DESCRIPTION size, consistency, moisture, other)	Well Construction Deta				
Rec (8	윤	Dec	rsi	Wo		,					
			0 -					Oeceu				
7	HA		1 -	SP-SM		Sand with Gravel, graylah br	own, (107R 5/2), a Ritte fine rounded gravel,	OPIGEWAL CONOR				
			2			mostly fine to coorse sond,	fee sist, modum dense, slightly domp, (20:70,10,0)					
0.00			3 -					· · · · · · · · · · · · · · · · · · ·				
			1.1									
		2.3	4 -		11.1			- F -				
7	HA .	10	5 -	SM	11/1	Sitty Sand, grayish brown, () dense, very moist, (0,60,40,	DYR 5/2), mostly fine sond, some sit, medium					
			6			Boring terminated at 5.0 fee	k					
			-+			Sampler advanced to 5.5 fe Boring abandoned on 7/5/9						
		1.1	17.7					· · E 1 · · · · · · · · · · · ·				
		* *	8		9.1							
			9 -									
			+									
			10-		: :			. .				
		1.1	11-									
7 .			12-									
1		× 1	13		611							
			+									
			14-									
			15-					🗕				
			16-									
					4 4							
		18	17-					- -				
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		1	19-		5							
			20-									
			+									
			21		1							
			22-		0.0							
		44	23		(n. n.)							
			3.4		1							
			24		x x			E				
	100		25									
- 1			26		2 4							
1		a (1)	27									
			1									
			28		1.1			* -				
		- 3	29	10								
1			30		(S. F.)							

Project: Boring L				-			Project No.: 00255-001-01 Log of Boring/Monitoring Well:
						OE DE	ILLING INC.; CME 55 Logged By: DJD
Sampling		_	_	_	-		Monitoring Device: PID Comments:
Start Da	-	_			14		Finish Date/Time: 7/6/94 0724
First Wa			_				Stabilized Water Level (bgs):
				i i	12.4		Surface Elevation: Casing Top Elevation:
of c	Blows/6 inches	2	Depth (Feet)		USCS Symbol	ivel	Boring Abandonment
very es)	3/6	udd)	9		S Sy	Water Level	LITHOLOGIC DESCRIPTION
Sample Interval/ Recovery (Inches)	Blow	PID (ppm)	Dep		nsc	Wote	(color, grain size, consistency, moisture, other) Well Construction Deta
7,4			0 -				
	HA	31.5	, :		50-5N		Sand with gravel, Eght brownish gray (1017 8/2), a Rits gravel to 1/2 Inch, mostly fine to course sand, fee sit, medium dense, slightly moist, (15,75,10,0)
//	· **	31.3	2	•		* *	E
			4.7				
			3-				
			4-				
		12	5		SM	V	Sand with Sit, very dark gray (10YR 3/1), mostly line to medium sand, a little sit, loose to medium dende, wat (0,75,25,0)
///	. HA	22.2	3.7				Boring terminated at 5.0 feet.
4 4 5		1.1	6 -				Sampler advanced to 5.5 feet
			7 -		13.11	10	Boring abandoned on 7/8/94.
111		1.0	8			11	
			+			4 4	
			9 -				
		9.0	10-				
* * *			11			1 0	
			+				
			12.7			.6	
		3.5	13-				
			14			1.	
			15-				· · · · · · · · · · · · · · · · · · ·
			13.7				
		1::	16				
554			17-	ed.			
1 2 3		1.7	18				
			+				
			19				
4 3 3	• • •	000	20-				
		0.7	21				
	in t		22				
	100	-			-		
			23				
			24-				
		3.0	25				
	1	E TX	10			9.1	i i ritaria i in i
	9		26		5	9.1	
		9.	27-		1		
)	. ·	28				
			29				
			237		2		
			30-1	-			

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 Date:

 Revised By:
 Date:

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			ARINE SEI			Log of Boring/Monitoring Well: Project No.: 00255-001-01 Li A 7
					ADE DE	Project No.: 00255-001-01 HA-7
Sampling				ONJO	not of	Monitoring Device: PID Comments:
Start Dat		_			-	Finish Date/Time: 7/5/94
First Wate		_			_	Stabilized Water Level (bgs):
	er (og	s). J	1 1	_		
erva	Ses		3	poq	7	Surface Elevation: Casing Top Elevation:
Sample Interval/ Recovery (Inches)	Blows/inches	PID (ppm)	Depth (Feet)	USCS Symbol	Water Level	LITHOLOGIC DESCRIPTION (color, grain size, consistency, moisture, other) Boring Abandonment/ Well Construction Deta
N&5	ш	О.	0 -	2	32	
	HA.		1 4	СМ	::	Crovety Sand, light brownish gray (2.5Y 6/2), eith sit, rounded gravel to 1/2 Inch COVOR diameter, medium to coorse sond, a little set, medium dense, moiet (30,55,15,0).
		: :	2 1	-	* *	no-oder
			+ .	SM	9.5	Sity Sand, very dark gray (1017 3/1), medium to coarse sand, a little sit, loose to medium, molet (0,75,25,0), hursic adar
			3 - :			
			4-			
			5 -		·V.	becomes wet at 4.8 (set
11	HA .	. 0.	. + .			Baring terminated at 5.0 feet.
		2.5	6 -			Sampler odvanced to 5.5 feet
			7 -			Boring abandoned on 7/5/94.
	35.8		: + .		9 5	
			8 7			
# 1		9 +	9 -			
* 1 6			10-1		6.7	
- X			11 1			
		1 (1)	12-		4.0	
- + + 1		* *		1		· · · · · · · · · · · · · · · · · · ·
			13-		1:	
			14-			
			15			· · · · · · · · · · · · · · · · · · ·
		64	1.4			
		* *	16-		20	
			17-			
	+ +	1 =	+		1.0	
			18		: :	
9	+ 1		19-			
			20-		111	
4 4 4	1414		+ .			
AH T		0	21	1		
3 3 3 1			22-		1	
		8 05				
- 1		26	25			
e - 11			24-			
	125		25	35		
7.1		9.11	-			
- 1	- 1	0.0	26	912		
		8.6	27			
1					1	
	1		28			
10 a l	0	5-9	29-		150	
		. 1		-	100.4	

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raject: Poring La			ARINE SE				Project No.: 00255-001-01	Log of Boring/Monitoring Well:				
	_	_	_		ADC DO	DILLING INC. CHE ES		HA-8				
		_		CASC	AUC UI	RILLING INC.; CME 55	Logged By: DJD Device: PID					
ompling		_		-	-	Finish Date		Comments:				
irst Wat			3/94	-	_		e/Time: 7/5/94 Water Level (bgs):					
TSI MOI		s).										
e ve	nche	_	et	tog	7	Surface Elevation:	Casing Top Elevation:	— Desire Ab				
Sample Interval/ Recovery (Inches)	Blows/6 inches	PIO (ppm)	Depth (Feet)	USCS Symbol	Woter Level	(color, grai	THOLOGIC DESCRIPTION n size, consistency, moisture, other)	Boring Abandonment/ Well Construction Detai				
			0 -					ORGINAL				
II	HA		1.7	CP.		Gravely Sond, grayish bro mostly line to coorse son	en, (107R 5/2), some fine rounded gravel, id. few sitt, medium dense, moist. (30,60,10,0)					
100		: :	2:									
			3 -	-	-			+				
			4		1							
		::	5	Su :	11	Sity Sond, dark gray, (10 sit; medium dense; most	OR 4/1), mostly fine to medium sond, some					
14	HA		+			Boring terminated at 5.0						
			6 -		1.	Sampler advanced to 5.5	feet	- -				
100	4 E	5.0	7 -		1:	Boring abandoned on 7/5	⁷³⁴					
			8									
		: :	9 =		1.1			: L .				
			- +									
v .			10									
9.4		1 V	11-									
			12-					: E : : : : : : : : : : : : : : : : : :				
		13	1.1		2.5			· · · - · · · · · · · · · · · · · · · · · · ·				
			13.7									
: 1		::	14-		1::							
11.		+ +	15-									
	: : :	1 1	16-					: E : : : : : : : : : : : :				
		+ 3	+									
1		* *	17.									
			18-		1							
			19-									
		1.	20-					L				
11			+									
		603	21 -					1 - Valence 11				
1		1	22									
4.7			23-									
J1			24	1								
			1					-1142				
		0.0	25		110							
		+	26			CHARLES A COLOR						
		. Yo	27-	10	100							
		9	28			The s		L				
40			+				A STATE OF THE STA					
			29 -	1	. 4							
			30	1								

Project:		Log of Boring/Monitoring Well:								
Boring Lo			HA-9							
	_	_			ADE D		Logged By: 0J0			
Sampling	_					Monitoring De		Comments:		
Start Date/Time: 7/6/94 0752						Finish Date/1				
First Wat		}s):				The second second second second	ter Level (bgs): Casing Top Elevation:	-		
Sample Interval/ Recovery (Inches)	Blows/6 inches	123	2	9	_	Surface Elevation:				
Ty Put	9	PID (ppm)	Depth (Feet)	USCS Symbol	Level	LITH	OLOGIC DESCRIPTION	Boring Abandonment/		
nple	OMS/	9	pth	S	Water	(color, grain s	ize, consistency, moisture, other)	Well Construction Details		
S & E	m	2	å	S	*					
			0+							
,,,	HA .		1 7	CP-CM	1.2	Graveliv Sand, armieti brireni.	(1009 5/2) some fine minded around month fine	CONCR		
		: :	2.1			coarse sand; few sit, medium	(1017 5/2), some fine rounded gravet, mostly fine to dense, moist, (35,55,10,0)	* 		
								F XX		
* * * *			3 1					<u> </u>		
000			4-							
1.1.1			5	SM	::	Sity Sand, dark grayish brown bit, lober to medium dense;	n (107R 4/3), mostly very fine to medium sond, son	• E 1 :: XX : : : : : :		
111	HA	11.0	1 +			Boring terminated at 5.0 feet		<u> </u>		
1.1			6 -		1	Sampler advanced to 5.5 feet		: E		
933			7 -		1	Boring abandoned on 7/6/94		E		
			8					: E : : : : : : : : : : : :		
			9 -		: 3					
			3.7		1.5			: [.] : : : : : : : : : : :		
		2.5	10-		10					
			11 -							
* * *			12-		:::			· E		
- 1 4			-+							
		3 4	13-		11					
90.2			14-		+ +					
			15-				* * * * * * * * * * * * * * * * * * * *	: C 1		
			16-					: C .		
		10	17-		1 1					
			18-							
			10		11			· • · · · · · · · · · · · · · · · · · ·		
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			20-		1.1			: t . : : : : : : : : : : : : : : : : : :		
			21					F		
			22					E		
			+							
0.8.00			23-		1.5			. E		
999			24-	8				•		
			25							
			+					-		
			26		1.					
	- 1	-1	27	368	+ +	the second in the				
1			28-	11				L 1		
			20 1		0 0			1 -1		
		1	29		10.7					
			30							

Subcontr		+	HA-10						
Sampling		Cor	Comments:						
Start Dal	_					Monitoring Device: PID Finish Date/Time: 7/6/94 0724			
First Wat						Stabilized Water Level (bgs):	+		
	-		Ali			Surface Elevation: Casing Top Elevation:	_		
lerv	inch	~	eet)	loqu	क	Solitate Elevation.	-	Boring Abandonment	
Sample Interval/ Recovery (Inches)	Blows/6 inches	PID (ppm)	Depth (Feet)	USCS Symbol	Water Level	LITHOLOGIC DESCRIPTION (color, grain size, consistency, maisture, other)		Well Construction Det	
			0 +					ORICHAL	
114	HA .	18.2	T	CP-CM		Gravely Sand, grayish brawn (2.5Y 5/2), some rounded gravel to 1 inch dign fine to coarse sand, fee set, medium dones, slightly moist (35,55,18,0)	eter,	F	
11.1			2 -						
			3 -		-	Sity Sand, very dark aray (107R 3/1), mostly medium to coorse eard, a little		- -	
			4		: :	Sity Sand, very dark gray (107R 3/1), mostly medium to coarse eand, a little sit, medium dense, moiat (0,75,25,0), humic odor			
		4.3	- +	SM	22	Color becomes dark grayish brown (10YR 4/2), moist (0,65,35,0)		F- XX	
	HA .	16.4	3.7						
111			6 +		11	Boring leminated at 5.0 feet. Sampler advanced to 5.5 feet	4 4	-	
			7 -			Baring abandoned on 7/5/94.			
			8		::				
			9 7			, , , , , , , , , , , , , , , , , , ,			
1 4 4			10-						
			11		1.4		6.0		
			+						
			12.7						
		* *	13-						
111			14-						
			: +						
			15-					E	
2.2		3.4	16-				* *		
200		- 3	17-						
			18		* 1				
111			+		4.1				
		1	19-					E [
			20-						
			21		11		::		
1 4 0							24.6		
			227			, , , , , , , , , , , , , , , , , , ,			
- 1 -		5.0	23-						
-			24						
	0.00		25		f .			-	
								F.	
			26-		2 4			E In the second	
		4 1	27		3 1		390		
	9		28					E:	
			1 -+	9.5					
		7.8	23	1	0.7		9.2		
- 1		. 31	30				500	0018	

Crowley 2A002418

		-	ARINE SE					Log of Boring/Monitoring Well:
Boring Lo	ocation	n: (St	E SITE N	AAP)		Projec	t No.: 00255-001-01	HA-11
Subcontr	actor	and E	quipment	: CASC	ADE DE	ILLING INC.; CME 55 Logger	i By: DJO	111/2-11
Sampling	Meth	od: HS	A & HA			Monitoring Device:	PID	Comments:
Start Da	te/Tin	ne: 7/	6/94 0	742		Finish Date/Time:	7/6/94 0758	
First Wat		_				Stabilized Water Lev		†
-		-				Surface Elevation:		
Sample Interval/ Recovery (Inches)	hou	_	£	Symbol	7	Surface Elevation:	Casing Top Elevation:	
2 2	Blows/6 inch	PID (ppm)	Depth (Feet)	Syr	Water Level	LITHOLOG	IC DESCRIPTION	Boring Abandonment,
cove	OWS	0	th de	nscs	ofer	(color, grain size, co	insistency, moisture, other)	Well Construction Deta
288	8	ā.	å	3	×			
		17	0			Brick and concrete (degraded cement)		
, ,			1 -1 :					COVER
//	KA .	,12	+ .	. SM		Sity Sand, brown (7.5YR 4/4), trace sand and some sit, medium dense,	sightly moist (5,55,40,0)	* +
		1	27 .					
		3-5)	3-					· - · · × · · · · · ·
			41		11			
			. + .					F.
1.51.5	8/8/8	75.1	5 1	SM	.∇.	Wet		
11			6 -					
-			- 1			Boring terminated at 5.0 feet.		
			. I.			Sampler advanced to 6.5 feet Boring abandoned on 7/6/94.		[.
			8 -			borng abandoned on //b/s4.		🗕 🛮
		7.0	9 1					:: E
9.34			. + .		+ •			🔐
			10	1 : :	1::			14 5. 1111111111111
			11 -					
	003		121	1 : :	2.3			
			12-		1.1			F.
		9.4	13-		9.3			🗕 🕨
		Zind.	14.	1:::				
]			. + .					
111		: :	15+	1:::	* *			
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			23-					
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			-		11			
1.	* × 1		27		3.3			
		1	28	1				L
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145	X - X	778	29	1				
_ 11	13.17	_ 6)	30 I		4		The state of the s	

			ARINE SE					og of Boring/Monitoring Well:			
Boring Lo	_				10C D	THE WALL CAN SE	Project No.: 00255-001-01	HA-12			
	_			t: CASC	AUE DI	RILLING INC.; CME 55	Logged By: DJD				
Sampling	_			210	-			omments:			
Start Dal			6/94 1	040	_	Finish Do					
First Wat	er (bo	s):		_	_	1000	Water Level (bgs):				
rval	5		2	2	120	Surface Elevation:	Casing Top Elevation:				
Sample Interval/ Recovery (Inches)	Blows/6 inch	PID (ppm)	Deptin (Feet)	USCS Symbol	Water Level	(color, gr	LITHOLOGIC DESCRIPTION oin size, consistency, moisture, other)	Boring Abandonment/ Well Construction Detail			
		0.4	0		10		Principle of the first state of the second of the	ORIGINAL			
77	HA .	20.1	1 7	SM	4 4	Sitty Sand, dark grayish slightly damp, (0,60,40,	brown (1011R 4/2), mostly fine to medium send, some sit,				
		1.0	2 7								
1 0 0		1	3 -	1:::	2.15			F			
			4-					FIX			
			5								
14	HA.	6.0	. + .	SM		Brown (10YR 4/3)		F			
			6 7				* * * * * * * * * * * * * * * * * * * *				
		63	7-			Soring terminated at 5. Sampler advanced to 6.	3 feet. 3 feet	210111111111111111111111111111111111111			
			8 7		1.5	Boring abandoned on 7	/6/94.	L			
		800	1.								
		4 12	9 1		(9.12 (9.04)						
	- 6	1. 4	10-	e uru							
			11-		20						
- 0			127		2.5						
			12-		33			E. Links and the			
		0.39	13-	18:33	2.1						
		B &	14-	100	1						
			15-		3.37		* * * * * * * * * * * * * * * * * * *				
			+ .					F.			
	0.3		16-								
	- 1	T 0	17-		10						
			18					E 100 000 000 000 000 000 000 000 000 0			
								4			
3.5			19 7								
0.0			20-		3.3						
			21		2.7		* * * * * * * * * * * * * * * * * * *				
3			22		3 4						
1 0								-5			
200			23		2.8						
			24		2.3		*****				
			25		0.0			E			
			4	100	100			Filmin			
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1	0.1	E 1	27-	W .	3.14						
	1		28		20		* * * * * * * * * * * * * * * * * * * *				
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1			29		1						
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Date:

Date: _____

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Praject: CF Boring Loca	_	_						Log of Boring/Monitoring Well: Project No.: 00255-001-01 HA-13
Subcontrac	tor o	and E	quipme	nt:	CASC	ADE D	RILLING INC.; CME 55	Logged By: 0J0
Sampling M	etho	d: HS	A & H	A			Monitoring	Device: PID Comments:
Start Date	/Time	e: 7/	6/94	081	5		Finish Date	c/Time: 7/6/94 0837
irst Water	(bgs	s):					Stobilized	Waler Level (bgs):
6							Surface Elevation:	Casing Top Elevation:
Somple Interval/ Recovery (Inches)	Blows/6 inch	(mdc	(Feet)		USCS Symbol	Level		THOLOGIC DESCRIPTION Boring Abandonmen
Recove (Inches	Blows	PID (ppm)	Depth		nscs	Water	(color, grai	n size, consistency, moisture, other) Well Construction Det
			0 +			74		ORCHALL COVER
77	4	22.0	- T		SM		Sity Sond, yellowish brow loose, slightly moist, (0,6	(1019 5/4), mostly fine to medium sond and some sit.
	1	::	2		:::	: :		::::::::::::::::::::::::::::::::::::::
43.53			3					F
ZZ	6/12	20.4	4.1					±
						0.		
	ioni	14.7	5.7		SM	: :	dark graylah brawn (1017 4	²⁾
1	10/12	10.7	6 -			2.5		· · · · · · · · · · · · · · · · · · ·
	1		7				Boring terminated at 5.0	
			- +				Sampler advanced to 6.5 Boring abandoned on 7/6	(set
			8 +	, ,				· · · · · · · · · · · · · · · · · · ·
3 3 1			9 -			- •		
			10-			1.0		
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			"."	,				
			12-			1.		
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9-1-	-		+			+ +		
	1		23			1		
1	0		24-					
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			+					** ** ** *** *** *** *** *** *** *** *
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- 1	- 1		30					

Crowley 2A002421

Boring Lo			Project No.: 00255-001-01 MW-1			
Subcontr	octor	and E	quipment	: CASC	ADE D	RILLING INC.; CME 55 Logged By: DJD
Sampling	Metho	d: HS	A			Monitoring Device: PID Comments:
Start Dal	e/Tim	e: 7/	6/94 1	511		Finish Date/Time: 7/6/94 1630
First Wat	_	_				Stabilized Water Level (bgs): 8.7
	Ja.			75		Surface Elevation: Casing Top Elevation:
Somple Interval / Recovery (Inches)	Blows/6 inch	£	Depth (Feet)	USCS Symbol	evel	Boring Abandonment
ple ivery	18/6	PID (ppm)	#	SS	Water Level	LITHOLOGIC DESCRIPTION (color, grain size, consistency, moisture, other) Well Construction Deta
Reco (Inch	Bloy	PIO	Dep	USC	Wot	(sour, grant say, consecutor, morning, other)
		0.4	0 -			7' rel
		4 4	1 :	1		Concret
11	4/9	38.6	-+	SM		Saty Sand, dark groyieh brown (107R 5/2), moetly fine to medium sand, some silt, signity damp, (0,70,30,0)
11	9/7/19	54.5	2.7			Bentonii
* * *		3	3 -		4.0	
			4-1			
			1 .	1::	:::	
77	9/9/9	34.8	5 - :			Sond 1
11	****		6 1			
	¥ .	+ 1	7-		.∇.	
			8 1	1 : :	100	
	4		. + .			F Screen
		3 4	9 - :	1 ::	10	
3			10-		30	· · · · · · · · · · · · · · · · · · ·
			11 -		1.	
			. + .			· · · · · · · · · · <u> </u>
	, .		12-	1		
			13-	1::		: : : : : : : : : : : : : : : : : : :
			14-			
:::			15-	1:		
			+ .			Boring terminated at 15.0 feet, Sampler advanced to 6.5 feet
		::	16-		::	Boring converted to a monitoring well on 7/6/94.
N 9 9		44	17-			
			18		::	
		9 12	10			
			197		1.	· · · · · · · · · · · · · · · · · · ·
1 6 4			20-			
7 7 1		11	21 -		5.1	
2	3.4	3.4	+ .		0.0	
7 7 7	60		22			
1 10			23			
			24			
			-	1	10.0	
			25			
V			26		1	
1			27-			
			28		1.3	
				100	18 2	
		+ +	29	10		
			30			

Crowley 2A002422

Praject:	CROW	LEY M	ARINE	SERV	ICES													Log	of Boring/Monitoring \	Yell:
Boring L	ocation	n: (S	EE SIT	E MAF	?)					Pro	ect N	0.:	0025	5-001	-01			MW-2		
Subcont	ractor	and E	quipm	ent: (CASC	ADE DE	RILLING INC	.; CME	; CME 55 Logged By: DJD							W11 Z				
Sampling	Sampling Method: HSA 8 1/4								oring	Device	: P	0						Cor	nments:	
Start Da	te/Tim	ne: 7/	6/94	1319				Finish	Date	/Time:	7	/6/9	4 14	57						
First Wa	ter (bo	s): 6.	75'					Stobi	lized \	Water	_	_	_		-	_		0		
/IO							Surface E				_	_	-	Eleve	tion	_				_
Sample Intervol/ Recovery (Inches)	Blows/6 inch	-	eet.		USCS Symbol	Level	5011000 0	io rationi		_		Josniy	Top	Lion	tion,		_	-	Boring Abandon	mant /
s) y	9	PID (ppm)	Depth (Feet)	Ш	Sy	r Le			U	THOL	OGIC	DES	CRIP	TION						
ecov	Slows	9	ept		SCS	Woter		(color.	grain	size,	consi	stenc	y, mo	isture	, oth	er)			Well Construction	Details
NES	ш,	a		+	3	-			_		_	_	_	_	_				Z voli	
			0.7			+ m		1116.1						7.						
* * *			1-	-	1	131				* = -		٠.	+ +						- I B &	Concrete
	12/13/17	12.6	2.1		SM.	11	Saliu Sand	L dark on	oy (táy	8'4/11	mostly	fine s	. i		med			ghủy		Bentonite .
4 4 5	1	11	3.1				domp (0,6	(0,40,0)°										,,		
			. +																	
			4.1															20		
		+ 1	5												0.00	10			- 陽三殿	÷
79.95	10/12/21	32.9	6 1							: :			20							Sand 10/20
//		+ •				.∇.	Wet											(e)	F.	
			17.7									٠.								
1.00		2	8-		5								+ +	Y	8 9	1 1				
		: :	9 1									2.5	4 4	1 1						Screen .010
					, ,		Strong hyde		A		# 10°.	NO rec	oding o	e cuttin	in = 77	Оррт.				
			10.7																	
	• Y 9		11			0.4						i 1							- · 三 ·	
	. 58		12-											11			2.			
1 2 4			17			4 4						* *		+ +						
			1,21																	
			14-			1	Sity Sand	dark gr	y (10)	R 4/1).	mostly	fine t	o med	ium so	nd, son	, see en	mediu	m		
			15-				Boring ten						_	-		_				
1.0			16		::	: :	Sampler o	dvanced t				1 +	* *			1 +				
			:.+				Boring cor	iverted to	a mor	itoring	no New	7/6/9		111						
1.00		17.3	17.7		4					11						1 :				
		+ +	18-												4.4					
			19											1.			li.	,		
111			20			20.2														
13.3			+																	
3 3 3			21		3.7	* *						40		1					- 1 - 2 - 2 - 2 - 2	9 9 9 4
1.9			22-		. ,													yra ri		
			23			11				4 4			5.5	100	17		* * *	14		* * 1
		100 00	+	10			0.0				1				ij.	4 h	4 4		E. 1.44.7.4.4	
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14)			+		-8	E	8 45			1					0.7					
		be T	30 —																	-

CEACOD	Reviewed By:	 Dote:		
SEACOR	Revised By:	 Date:	-	Page_1_of_1_

Project: CROWLEY MARINE SERVICES Boring Location: (SEE SITE MAP) Project No.: 00255-001-01								Log of Boring/Monitoring Well:		
			_		105.0	011110 110 015 55	Project No.: 00255-001-01	MW-3		
				CASCA	AUE DI	RILLING INC.; CME 55	Logged By: DJD			
Sampling Met			_			Monitoring		Comments:		
Start Date/Ti			165	0	_	Finish Dat				
First Water (t	gs): 5	.5'	_		_		Water Level (bgs): 7.3			
ty ty		=		loc		Surface Elevation:	Casing Top Elevation:			
Sample Interval/ Recovery (Inches) Blows/6 inch	PID (ppm)	Depth (Feet)		USCS Symbol	Woter Level	(color, grai	THOLOGIC DESCRIPTION n size, consistency, moisture, other)	Boring Abandonment, Well Construction Deta		
2/8/9		1 - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 12 - 22 - 23 - 12 - 22 - 23 - 24 - 25 - 27 - 28 - 29 - 30		SP-SM		Gravely Sand with Sit, beand, a little wit, dense, sand, a little wit, dense, loose, very moist, (0.90,1). Very dark gray (1077), 3/2 Boring terminated at 15.0 Sampler advanced to 11.0 Boring converted to a me	court (100% 4/2) mostly fine to coarse sond, few sit, 0,0) dark gray (100% 4/1), wet	Concrete Bantorete Screen Screen		

Project No: 0928486	Project Name: Seattle Baseline		ID: SB-1
Location: Seattle, WA	Geologist: Joshua Bolling	Borehole Dia: 2"	Date: 12/16/2009
Drilling Method: DPT	Driller: Cascade Drilling	Well Dia: NA	Screen: NA
Rig: Power Probe 9630	Notes:		
Time Started: 0815			
Time Finished: 0835			
Total Depth Drilled: 5'			

Depth	Pid	▼	Lithology/Remarks Mostly silty gravel fill down to 4'.	Sample ID/Loc SB-1 0-1 ft
0			Mostly silty gravel fill down to 4'.	SB-1 0-1 ft
1				
2				
3				
4			Black sand.	SB-1 4-5 ft
5			Boring terminated at 5 ft.	
6				
7				
8				
9				
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Project No: 0928486	Project Name: Seattle Baseline		ID: SB-2
Location: Seattle, WA	Geologist: Joshua Bolling	Borehole Dia: 2"	Date: 12/16/2009
Drilling Method: DPT	Driller: Cascade Drilling	Well Dia: NA	Screen: NA
Rig: Power Probe 9630	Notes:		
Time Started: 0840			
Time Finished: 0855			
Total Depth Drilled: 5'			

Depth	Pid	•	Lithology/Remarks	Sample ID/Loc
0			Lithology/Remarks Mostly silty gravel fill down to 4'.	Sample ID/Loc SB-2 0-1 ft
1				
2				
3				
4			Black sand.	SB-2 4-5 ft
5			Boring terminated at 5 ft.	
6				
7				
8				
9				
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Project No: 0928486	Project Name: Seattle Baseline		ID: SB-3
Location: Seattle, WA	Geologist: Joshua Bolling	Borehole Dia: 2"	Date: 12/16/2009
Drilling Method: DPT	Driller: Cascade Drilling	Well Dia: NA	Screen: NA
Rig: Power Probe 9630	Notes:		
Time Started: 0900			
Time Finished: 0930			
Total Depth Drilled: 5'			

Depth	Pid	•	Lithology/Remarks Mostly silty gravel fill down to 4'.	Sample ID/Loc SB-3 0-1 ft
0			Mostly silty gravel fill down to 4'.	SB-3 0-1 ft
1				
2				
3				
4			Black sand.	SB-3 4-5 ft
5			Boring terminated at 5 ft.	
6				
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Project No: 0928486	Project Name: Seattle Baseline		ID: SB-4
Location: Seattle, WA	Geologist: Joshua Bolling	Borehole Dia: 2"	Date: 12/16/2009
Drilling Method: DPT	Driller: Cascade Drilling	Well Dia: NA	Screen: NA
Rig: Power Probe 9630	Notes:		
Time Started: 0935			
Time Finished: 0955			
Total Depth Drilled: 5'			

Depth	Pid	•	Lithology/Remarks Mostly silty gravel fill down to 4'. Oil staining and	Sample ID/Loc SB-4 0-1 ft
0			Mostly silty gravel fill down to 4'. Oil staining and	SB-4 0-1 ft
1			odor at 1'.	
2				
3				
4			Black sand.	SB-4 4-5 ft
5			Boring terminated at 5 ft.	
6				
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Project No: 0928486	Project Name: Seattle Baseline		ID: SB-5
Location: Seattle, WA	Geologist: Joshua Bolling	Borehole Dia: 2"	Date: 12/16/2009
Drilling Method: DPT	Driller: Cascade Drilling	Well Dia: NA	Screen: NA
Rig: Power Probe 9630	Notes:		
Time Started: 1000			
Time Finished: 1035			
Total Depth Drilled: 5'			

Depth	Pid	▼	Lithology/Remarks	Sample ID/Loc
0			Very little recovery. Silty gravely fill.	Sample ID/Loc SB-5 0-1 ft
1				
2				
3				
4			Black sand.	SB-5 4-5 ft
5			Boring terminated at 5 ft.	
6				
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Project No: 0928486	Project Name: Seattle Baseline		ID: SB-6
Location: Seattle, WA	Geologist: Joshua Bolling	Borehole Dia: 2"	Date: 12/16/2009
Drilling Method: DPT	Driller: Cascade Drilling	Well Dia: NA	Screen: NA
Rig: Power Probe 9630	Notes:		
Time Started: 1045			
Time Finished: 1125			
Total Depth Drilled: 5'			

Depth	Pid	•	Lithology/Remarks	Sample ID/Loc SB-6 0-1 ft
0			Silty gravel fill.	SB-6 0-1 ft
1				
2				
3				
4			Black sand.	SB-6 4-5 ft
5			Boring terminated at 5 ft.	
6				
7				
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Project No: 0928486	Project Name: Seattle Baseline		ID: SB-7
Location: Seattle, WA	Geologist: Joshua Bolling	Borehole Dia: 2"	Date: 12/16/2009
Drilling Method: DPT	Driller: Cascade Drilling	Well Dia: NA	Screen: NA
Rig: Power Probe 9630	Notes:		
Time Started: 1130			
Time Finished: 1140			
Total Depth Drilled: 5'			

Depth	Pid	•	Lithology/Remarks	Sample ID/Loc
0			Silty gravel fill, then brown and black sand.	SB-7 0-1 ft
1				
2				
3				
4			Fill material. Slight oil staining and petroleum odor.	SB-7 4-5 ft
5			Boring terminated at 5 ft.	
6				
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Project No: 0928486	Project Name: Seattle Baseline		ID: SB-8
Location: Seattle, WA	Geologist: Joshua Bolling	Borehole Dia: 2"	Date: 12/16/2009
Drilling Method: DPT	Driller: Cascade Drilling	Well Dia: NA	Screen: NA
Rig: Power Probe 9630	Notes:		
Time Started: 1150			
Time Finished: 1245			
Total Depth Drilled: 5'			

Depth	Pid	▼	Lithology/Remarks	Sample ID/Loc SB-8 0-1 ft
0			Oil staining then silty gravel fill.	SB-8 0-1 ft
1				
2				
3			Brown and black fine grained sand.	
4				SB-8 4-5 ft
5			Boring terminated at 5 ft.	
6				
7				
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Project No: 0928486	Project Name: Seattle Baseline		ID: SB-9
Location: Seattle, WA	Geologist: Joshua Bolling	Borehole Dia: 2"	Date: 12/16/2009
Drilling Method: DPT	Driller: Cascade Drilling	Well Dia: NA	Screen: NA
Rig: Power Probe 9630	Notes:		
Time Started: 1250			
Time Finished: 1310			
Total Depth Drilled: 5'			

Depth	Pid	•	Lithology/Remarks	Sample ID/Loc
0			Silty gravel fill.	SB-9 0-1 ft
1				
2			Fine grained brown sand.	
3				
4				SB-9 4-5 ft
5			Boring terminated at 5 ft.	
6				
7				
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Project No: 0928486	Project Name: Seattle Baseline		ID: SB-10
Location: Seattle, WA	Geologist: Joshua Bolling	Borehole Dia: 2"	Date: 12/16/2009
Drilling Method: DPT	Driller: Cascade Drilling	Well Dia: NA	Screen: NA
Rig: Power Probe 9630	Notes:		
Time Started: 1310			
Time Finished: 1315			
Total Depth Drilled: 5'			

Depth	Pid	V	Lithology/Remarks	Sample ID/Loc SB-10 0-1 ft
0			Silty gravel fill.	SB-10 0-1 ft
1				
2			Fine grained brown sand.	
3				
4				SB-10 4-5 ft
5			Boring terminated at 5 ft.	
6				
7				
8				
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35				

Project No: 0928486	Project Name: Seattle Baseline		ID: SB-11
Location: Seattle, WA	Geologist: Joshua Bolling	Borehole Dia: 2"	Date: 12/16/2009
Drilling Method: DPT	Driller: Cascade Drilling	Well Dia: NA	Screen: NA
Rig: Power Probe 9630	Notes:		
Time Started: 1335			
Time Finished: 1340			
Total Depth Drilled: 5'			

Depth	Pid	•	Lithology/Remarks	Sample ID/Loc
0			Lithology/Remarks Silty gravel fill. Few inches of oil staining with petroleum	SB-10 0-1 ft
1			odor.	
2			Brown to black fine grained sand.	
3				
4				SB-10 4-5 ft
5			Boring terminated at 5 ft.	
6				
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PROJECT NAME 8th Avenue Terminals

PAGE 1 OF 1

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJECT NUMBER 101.00902.00003 PROJECT LOCATION 7400 8th Avenue South, Seat							
DATE ST	TART	ED <u>7/11/14</u>			COM	PLETED _7/11/14 GROUND ELEVATION HOLE SIZE _2.125-inch-diam	neter
DRILLIN	IG CO	NTRACTOR	ESN	I-NW		GROUND WATER LEVELS:	
DRILLIN	IG ME	THOD Dire	ct Pus	sh		AT TIME OF DRILLING 5 ft	
LOGGED BY P. LeDoux CHECKED BY					CHE	CKED BY AFTER DRILLING	
NOTES							
O DEPTH (ft)	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
					0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	CONCRETE	
	GP		80	SP- SM	<i>p</i> 6.4	SAND with silty fines (95% Sand, 5% Silt) brown, moist, medium grained, no odor/staining	
F 1		IAB1-3-5*					0.0
5						5.0 ▼ Silty SAND (75% Sand, 25% Silt) gray, fine grained, weak petroleum odor, wet	-
-		IAB1-5-7*		SM			0.0
F - 1	GP		100			7.0 Silty SAND (65% Sand, 35% Silt) gray, wet, fine to medium grained, no odor/staining	
10		IAB1-7-9					18.6
15	GP	IAB1-13- 15	100	SM		15.0	0.0
4						Clean SAND (100% Sand) dark gray, wet, medium grained, no odor/staining	
105.60	GP		100	SP		17.5 Clean SAND (100% Sand) dark gray, fine to medium grained, no odor/staining	
						croan of and (100% cana) dank gray, me to modalin grained, no cachetaining	
] \		IAB1-18- 20		SP			0.0
20						20.0	
Ž						Boring completed @ 20.0 feet	
* = San GP = S	Photoi nple s Soil sa	onization de ubmitted for	labora ted by	atory a using	analysi g 1.5-ir	s. Other samples collected were archived at the laboratory. ch-diameter acetate liners within the drilling rods.	

REMARKS

PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJEC	T NUI	/IBER _101.	.00902	2.0000)3	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA		
DATE ST	TARTE	D 7/12/14			CON	PLETED 7/12/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diam	neter		
DRILLIN	G COI	NTRACTOR	ESN	I-NW		GROUND WATER LEVELS:			
DRILLIN	G ME	THOD Dire	ct Pus	sh		AT TIME OF DRILLING 8.5 ft			
LOGGE	BY _	C. Lee			CHE	CKED BY AFTER DRILLING			
NOTES									
o DEPTH (ft)	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)		
_				SP	。 。) 。	Gravelly SAND light brown, fine grained, moist, no odor/staining 2.0			
	GP		60			Clean SAND brown, fine grained, moist, no odor/staining			
5		IAB10-3-5*		SP		6.0	0.0		
		IAB10-5-7*		ML		SILT dark brown, mottled, moist, no odor/staining 7.0	0.0		
10	GP	IAB10-7-9	90			Silty SAND brown, fine grained, moist to wet, no odor/staining ▼	0.0		
	GP	IAB10-13- 15	100	SM		15.0	0.0		
NI US.GD1 //25/14	GP		100	SP		Clean SAND dark gray, fine to medium grained, wet, no odor/staining			
20 20 20		IAB10-18- 20				20.0	0.0		
¥ E						Boring completed @ 20.0 feet			
* = San GP = S	Photoion ple si soil sar	onization de ubmitted for	labora ted by	atory a using	analys g 1.5-iı	s. Other samples collected were archived at the laboratory. nch-diameter acetate liners within the drilling rods.			

REMARKS

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Anchor QEA, LLC				PROJECT NAME 8th	Avenue Terminals	
PROJECT NUMBER 101.009	2.0000)3		PROJECT LOCATION	7400 8th Avenue South, Seatt	ile, WA
DATE STARTED 7/18/14		COM	PLETED 7/18/14	GROUND ELEVATION	HOLE SIZE	2.125-inch-diameter
DRILLING CONTRACTOR Ho	locene			GROUND WATER LEVI	ELS:	
DRILLING METHOD Direct Pu	ısh			AT TIME OF DRIL	LING	
LOGGED BY P. LeDoux		CHEC	CKED BY	AFTER DRILLING	.	
NOTES				-		
O DEPTH (ft) INTERVAL TYPE SAMPLE NAME NAME	U.S.C.S.	GRAPHIC LOG		MATERIAL DI	ESCRIPTION	PID (ppm)
GP IAB10A-0- 5	SP		2.0	brown, fine grained, moist		0.0
<u> </u>		[1.1.4.1.1]	Boring completed @	5.0 feet		

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJECT	T NUN	/IBER <u>101</u>	00902	2.0000)3	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA	
DATE ST	ARTE	D 7/12/14			COM	PLETED 7/12/14 GROUND ELEVATION HOLE SIZE 2.125-inch-dian	neter
DRILLING	G CON	NTRACTOR	ESN	N-NW		GROUND WATER LEVELS:	
DRILLING	3 MET	THOD Dire	ct Pus	sh		AT TIME OF DRILLING 12 ft	
LOGGED	BY _	P. LeDoux			CHE	CKED BY AFTER DRILLING	
NOTES _							
O DEPTH (ft)	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	GP		80	SP	· ()	Gravelly SAND (70% Sand, 30% Gravel) gray, fine grained, dry, no odor/staining	
5		IAB11-3-5*			O	Clean SAND (100% Sand) brown, medium grained, moist, no odor/staining	0.0
		IAB11-5-7*					0.0
10	GP	IAB11-7-9	60	SP			0.0
	GP	IAB11-13- 15	100	SM		12.0 ▼ Silty SAND (85% Sand, 15% Silt) gray, fine grained, wet, no odor/staining	0.0
15	GP		100	SP		Clean SAND (100% Sand) dark gray, fine grained, wet, no odor/staining	_
20		IAB11-18- 20		SP		19.0 Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining 20.0	0.0
Ŕ E						Boring completed @ 20.0 feet	
* = Sam GP = So	hotoic ple su oil san	onization det ubmitted for	labora ted by	atory a using	analysi g 1.5-ir	s. Other samples collected were archived at the laboratory. sch-diameter acetate liners within the drilling rods.	

REMARKS

PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJEC	T NUI	MBER _101.	.00902	2.0000	03	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA	
DATE ST	TARTE	D 7/12/14			COM	PLETED 7/12/14 GROUND ELEVATION HOLE SIZE 2.125-inch-dian	neter
DRILLIN	G COI	NTRACTOR	ESN	I-NW		GROUND WATER LEVELS:	
DRILLIN	G ME	THOD Dire	ct Pus	h		AT TIME OF DRILLING 8 ft	
LOGGE	BY _	C. Lee			CHE	CKED BY AFTER DRILLING	
NOTES							
O DEPTH (ft)	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
					0 0	Gravelly SAND light brown, fine grained, moist, no odor/staining	
\ \	GP		70	SP	· ()	3.0 Clean SAND brown, fine grained, moist, no odor/staining	- -
5		IAB12-3-5*					0.0
		IAB12-5-7*		SP			0.0
	GP	IAB12-7-9	100			8.5	0.0
10				ML		SILT brown, wet, no odor/staining 10.5	
				SP		Clean SAND brown, fine grained, wet, no odor/staining 12.0	
	GP	IAB12-13- 15	100			Silty SAND dark brown, fine grained, wet, no odor/staining	0.0
SINT US.GDT 7/25/14	GP		100	SM			
(E)(S) 20 20 20 20 20 20 20 20 20 20 20 20 20		IAB12-18- 20				20.0	0.0
TH A						Boring completed @ 20.0 feet	
* = San GP = S	Photoion ple si soil sar	onization de ubmitted for	labora ted by	atory a using	analysi g 1.5-ir	s. Other samples collected were archived at the laboratory. sch-diameter acetate liners within the drilling rods.	

REMARKS

PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJEC [*]	T NUI	MBER _101.	00902	2.0000)3	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA	
DATE ST	ARTE	D 7/12/14			COM	PLETED _7/12/14 GROUND ELEVATION HOLE SIZE _2.125-inch-diam	neter
DRILLING	G COI	NTRACTOR	ESN	I-NW		GROUND WATER LEVELS:	
DRILLING	G ME	THOD Dire	ct Pus	sh		AT TIME OF DRILLING 9 ft	
LOGGED	BY	C. Lee			CHE	CKED BY AFTER DRILLING	
NOTES							
O DEPTH (ft) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				GP	000	GRAVEL light brown, fine grained, dry, no odor/staining	
F -\/					000	Gravelly SAND light brown, fine grained, moist, no odor/staining	1
	GP	IAB13-3-5*	85	SP	。 。 。 。		0.0
5					0	5.0 Clean SAND black, fine grained, moist, no odor/staining	-
		IAB13-5-7*				Clean SAND black, line grained, moist, no odor/staining	0.0
		IAD 13-3-7					0.0
\ \ \	GP	IAB13-7-9	90	SP		▼ 9.5	0.0
10	GP	IAB13-13- 15	100	SM		Silty SAND brown, fine grained, wet, no odor/staining 14.0 Clean SAND black, fine grained, wet, no odor/staining	- 0.0
15				SP			
J. GINT US.GDT 7726/14	GP	IAB13-18-	100	SM		Silty SAND dark brown, fine grained, wet, no odor/staining	
(S) (Gb)		20					0.0
20						20.0 Boring completed @ 20.0 feet	
, н Н Н Н Н Н Н Н Н Н Н Н Н Н Н Н Н Н Н Н						Doming completed to 20.0 look	
* = Sam GP = So	hotoid ple si oil sar	onization det ubmitted for	labora ted by	atory a using	analysi g 1.5-ir	s. Other samples collected were archived at the laboratory. ch-diameter acetate liners within the drilling rods.	

REMARKS

PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJECT	T NUN	/IBER <u>101.</u>	00902	2.0000)3	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA	
DATE ST	ARTE	D 7/12/14			COM	PLETED 7/12/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diam	eter
DRILLING	CON	NTRACTOR	ESN	N-NW		GROUND WATER LEVELS:	
DRILLING	ME1	HOD Dire	ct Pus	sh		AT TIME OF DRILLING 9 ft	
LOGGED	BY _	P. LeDoux			CHE	CKED BY AFTER DRILLING	
NOTES _							
O DEPTH (ft) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	0.5			SP	。 。 。 。	Gravelly SAND (70% Sand, 30% Gravel) gray, fine grained, dry, no odor/staining	
L	GP		55		ĬШ	SAND with silty fines (95% Sand, 5% Silt) brown, medium grained, moist, no odor/staining	
5		IAB14-3-5*		SP- SM			0.0
1 /		145445 74				6.0	
F 7\/I		IAB14-5-7*				6.5 FILL concrete and brick	0.0
\ \ 10	GP	IAB14-7-9	70			Clean SAND (100% Sand) gray, fine grained, wet, no odor/staining ▼	0.7
 15	GP	IAB14-13- 15	95	SP			0.0
	GP	IAB14-18- 20	90	SP		17.0 Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining 20.0	0.4
20 1 1				<u> </u>	<u> </u>	Boring completed @ 20.0 feet	
* = Sam GP = So	hotoic ple su oil san	onization def ubmitted for nples collect	labora ted by	atory a using	analysi g 1.5-ir	s. Other samples collected were archived at the laboratory. sch-diameter acetate liners within the drilling rods.	

REMARKS

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20th Ave. SE, Suite G-202 ell, Washington 98021 hone: 425.402.8800 Fax: 425.402.8488

CLIEN	Ar Ar	chor QEA, LL	<u>.C</u>				PROJECT NAME 8th	Avenue Terminals		
PROJE	CT N	UMBER _101	.00902	2.0000)3		PROJECT LOCATION	7400 8th Avenue South, Seattle	e, WA	
DATES	STAR	TED _7/18/14	1		COM	PLETED 7/18/14	GROUND ELEVATION	HOLE SIZE _2	2.125-inch-diame	eter
DRILLI	NG C	ONTRACTOR	R Hold	ocene			GROUND WATER LEV	ELS:		
DRILLI	NG N	ETHOD Dire	ect Pus	sh			AT TIME OF DRI	LLING		
LOGGE	ED B	P. LeDoux			CHE	CKED BY	AFTER DRILLING	3		
NOTES	_									
O DEPTH (ft)	INTERVAL	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL D	ESCRIPTION		PID (ppm)
	G	P IAB14A-0- 5	80	SP- SM-		2.5	. , , , ,	, fine grained, dry, no odor/staini own, medium grained, moist, no o		0.0
						Boring completed @	5.0 feet			

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT	Anch	or QEA, LL	.C			PROJECT NAME 8th Avenue Terminals	
PROJEC	T NUI	MBER _101	.00902	2.0000)3	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA	
DATE ST	ARTE	D _7/12/14			COM	IPLETED 7/12/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diam	neter
DRILLING	G COI	NTRACTOR	ESN	N-NW		GROUND WATER LEVELS:	
DRILLING	G ME	THOD _Dire	ct Pus	sh		AT TIME OF DRILLING 9.5 ft	
LOGGED	BY	P. LeDoux			CHE	CKED BY AFTER DRILLING	
NOTES _							
O DEPTH (ft) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	GP		60	SP		Gravelly SAND (70% Sand, 30% Gravel) gray, medium grained, dry, no odor/staining 3.0 FILL concrete, brick, and asphalt	
	GP	IAB15-7-9*	65			Clean SAND (100% Sand) gray, fine grained, moist, no odor/staining	0.1
10	GP	IAB15-9- 11* IAB15-11- 13 IAB15-13- 15	80	SP		14.5 Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining	0.0
20	GP	IAB15-18- 20	100	SP		20.0	0.0
	•	•				Boring completed @ 20.0 feet	-
* = Sam GP = So Duplicat	hotoid ple si oil sar te san	onization de ubmitted for nples collec	laborated by	atory a / using was c	g 1.5-ir	is. Other samples collected were archived at the laboratory. nch-diameter acetate liners within the drilling rods. ed over the same interval as sample EB-41-10.0'.	

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Anchor QEA, LLC						PROJECT NAME 8th Avenue Terminals				
PROJECT N	UMBER _101	.00902	2.0000)3	F					
DATE STARTED _7/13/14 COMPLETED _7/13/14 DRILLING CONTRACTOR _ESN-NW						GROUND ELEVATION HOLE SIZE _2.125-inch-diam GROUND WATER LEVELS:				
LOGGED BY P. LeDoux CHECKED BY						AFTER DRILLING				
NOTES										
o DEPTH (ft) INTERVAL	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCR	EIPTION			PID (ppm)
					0.5 ASPHALT					
G	P IAB16-3-5*	60	GP		3.0 FILL concrete	Gravel, 45% Sand) gray, fine	grained, dry to i	moist, no	odor/staining	0.0
\ /				\bowtie	5.5 Clean SAND (100% Sar	nd) dark gray, medium graine	ed moist to wet	no odor/	staining	
	IAB16-5-7*				010a11 07 a12 (100 70 Cal	ia) dan gray, modiam grant	5d, 111010t to 110t	, 110 00017	otaliinig	0.0
G G	P IAB16-7-9	70	SP							0.2
G	P IAB16-13- 15	75	SP		14.5	nd) dark gray, fine grained, w nd) dark gray, fine to medium				0.5
G 20	P IAB16-18- 20	100	SP		20.0					0.0
ZU]				<u>potesti</u>	Boring completed @ 20	.0 feet				
* = Sample GP = Soil s	oionization de submitted for	laborated by	atory a using		s. Other samples collected wer ich-diameter acetate liners with					

REMARKS

PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJEC	T NUI	MBER _101.	.00902	2.0000)3	P	ROJECT LOCATION 7400 8th Ave	nue South, Seattl	e, WA		
				COM	PLETED 7/13/14 G	GROUND ELEVATION HOLE SIZE 2.125-inch-diameter					
DRILLING	G COI	NTRACTOR	ESN	I-NW		G	GROUND WATER LEVELS:				
DRILLING METHOD _Direct Push							AT TIME OF DRILLING 12 ft				
LOGGED	BY	P. LeDoux			CHE	CKED BY	AFTER DRILLING				
NOTES											
O DEPTH (ft) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION		PID (maa)	רוקק) טון	
1 1					6 O (0.5 ASPHALT	1.400/ 0				
				GP		2.0	ravel, 40% Sand) gray, medium grai	-	-		
	GP	IAB17-3-5*	65	SP	。 。) 。 ○	Gravelly SAND (00% Sa	nd, 40% Gravel) brown, medium gra	ained, moist, no o	dor/staining 0.0	.0	
5					0 0 0	4.5 5.0 CONCRETE					
							15% Silt) dark gray, fine grained, mo	oist, no odor/stain	ing		
F -1/		IAB17-5-7*							0.0	0	
	GP	IAB17-7-9	70	SM					0.0	.0	
10						44.0					
	GP		90	ML		13.0	0% Sand) dark gray, wet, no odor/s	-			
15		IAB17-13- 15		SP		Clean SAND (100% San	d) dark gray, fine to medium grained	d, wet, no odor/sta	aining 0.0	.0	
						16.0 Clean SAND (100% San	d) dark gray, fine to medium grained	d, wet, no odor/sta	aining		
	GP	IAB17-18- 20	95	SP					0.0	.0	
20						20.0 Boring completed @ 20.	0 feet				
						boning completed @ 20.	७ ।टरा				
* = Sam GP = So	hotoion ple si oil sar	onization det ubmitted for	labora ted by	atory a using		s. Other samples collected were ch-diameter acetate liners withi					

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT	Anch	or QEA, LL	C				PROJECT NAME 8th	Avenue Terminals		
PROJEC	T NUM	MBER 101.	.00902	2.0000)3		PROJECT LOCATION	7400 8th Avenue South, Seatt	le, WA	
DATE S	TARTE	D _7/18/14			COM	PLETED 7/18/14	GROUND ELEVATION	HOLE SIZE	2.125-inch-diam	eter
DRILLIN	G CON	NTRACTOR	Holo	cene			GROUND WATER LEV	ELS:		
DRILLIN	IG MET	THOD Dire	ct Pus	sh			AT TIME OF DRIL	LING		
LOGGE	D BY	P. LeDoux			CHE	CKED BY	AFTER DRILLING	.		
NOTES										
O DEPTH (ft) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL D	ESCRIPTION		PID (ppm)
						0.5 ASPHALT				
						Sandy GRAVEL (60%)	o Gravel, 40% Sand) gray	, medium grained, dry, no odor	/staining	
	GP	IAB17A-0- 5	80	SP			Sand, 40% Gravel) brow	n, medium grained, moist, no o	dor/staining	0.0
5						4.5 5.0 CONCRETE				
	_			•		Boring completed @	5.0 feet			

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Duplicate sample EB-81-2.5' collected at interval of sample EB-47-2.5'.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Anchor QEA, LLC						PROJECT N	PROJECT NAME 8th Avenue Terminals				
PROJECT	NUN	IBER 101.	.00902	2.0000)3	PROJECT L	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA				
DATE STARTED						LETED <u>7/13/14</u> GROUND E	GROUND ELEVATION HOLE SIZE 2.125-inch-dia				
						GROUND W	ATER LEVELS:				
DRILLING	RILLING METHOD Direct Push					 _ AT TI	ME OF DRILLING 9 ft				
LOGGED	BY _	P. LeDoux			CHE	KED BY AFTE	r Drilling				
NOTES _											
O DEPTH (ft) INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	M	ATERIAL DESCRIPTION			PID (ppm)	
						.5 ASPHALT					
5	GP		60	SP		Gravelly SAND (70% Sand, 30% G					
\ /					0 0						
/		IAB18-5-7*				i.0 i.5 FILL woody debris			c	0.	
						Silty SAND (55% Sand, 45% Silt) of	dark gray, fine grained, wet,	no odor/stainin	ıg		
	GP	IAB18-7-9*	90			¥			C	0.7	
10		IAB18-9- 11							C	0.0	
	GP	IAB18-13- 15	95	SM					C	0.0	
	GP	IAB18-18-	100	SP		7.5 Clean SAND (100% Sand) dark gra	ay, fine to medium grained, v	wet, no odor/sta		0.4	
7		20							'	0.0	
20						80.0 Boring completed @ 20.0 feet				_	
						Borning completed @ 20.0 leet					
* = Samp GP = Soi Duplicate	otoic ole su il san e sam	nples collec	labora ted by 10.0' o	atory a using collect	j 1.5-ii	Other samples collected were archived th-diameter acetate liners within the drillir the same interval as sample EB-5-10.0'.					

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Anchor QEA, LLC							PROJECT NAME Stn Avenue Terminals				
PROJECT NUMBER _101.00902.00003)3	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA				
DATE STARTED 7/18/14 COMPLETED 7/18/14						COMI	PLETED 7/18/14 GROUND ELEVATION HOLE SIZE 2.125-inch-	diameter			
DRILLING CONTRACTOR Holocene							GROUND WATER LEVELS:				
DRIL	LING	MET	HOD Dire	ct Pus	sh		AT TIME OF DRILLING 9 ft				
LOGO	GED	BY _	P. LeDoux			CHEC	CKED BY AFTER DRILLING				
NOTE	S_										
O DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)			
	\Box						0.5 ASPHALT				
 	-	GP	IAB18A-0- 7	80	SP		Gravelly SAND (70% Sand, 30% Gravel) gray, fine grained, dry, no odor/staining 3.0 Gravelly SAND (85% Sand, 15% Gravel) gray, fine grained, dry, no odor/staining	0.0			
_ 5					SP	0					
	\mathbb{N}					. (6.0				
	7\/[6.5 FILL woody debris				
	-	GP		85	SM		Silty SAND (55% Sand, 45% Silt) dark gray, fine grained, wet, no odor/staining ▼				
_ 10							10.0 Boring completed @ 10.0 feet				
							Koring completed (d) 1111 toot				

Boring completed @ 10.0 feet

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

 $\overline{igspace}$ Water level at time of drilling.

PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJECT NUMBER _101.00902.00003							PROJECT LOCATION _7400 8th Avenue South, Seattle, WA				
DATE STARTED 7/13/14 COMPLETED 7/13/14				PLETED _7/13/14	OUND ELEVATION		HOLE SIZE	2.125-inch-dian	neter		
DRILLING CONTRACTOR ESN-NW				GF	OUND WATER LEV	ELS:					
DRILLING METHOD _Direct Push							$oldsymbol{\mathbb{Y}}$ at time of drii	LING 9 ft			
LOGGED	BY _	P. LeDoux			CHE	CKED BY	AFTER DRILLING	ê			
NOTES											
O DEPTH (ff)	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL D	ESCRIPTION			PID (ppm)
					5.8.1.1.	0.5 ASPHALT					
	GP		70	GP		Sandy GRAVEL (55% Gra		_			
5	OI .		70	SP	· ()	Gravelly SAND (85% San	d, 15% Gravel) gray	, fine grained, mo	oist, no odor/st	aining	
		IAB19-5-7*			• ()	FILL concrete, brick, and	•				0.0
	GP	IAB19-7-9*	90	SP		Clean SAND (100% Sand) dark gray, fine graii	ned, moist, no oc	dor/staining		0.4
	\backslash					Sandy SILT (60% Silt, 40	% Sand) gray, wet, n	o odor/staining			1
10	GP	IAB19-9- 11	90	ML		13.5					0.2
15		IAB19-13- 15		SM		Silty SAND (70% Sand, 3 13'-14' and 17.75'	0% Silt) gray, fine gr	ained, wet, no oc	lor/ staining, w	ood chips @	0.1
	GP	IAB19-18- 20	80	SP		18.0 Clean SAND (100% Sand) dark gray, fine to m	edium grained, v	vet, no odor/st	aining	0.3
A T						Boring completed @ 20.0	feet				
* = Sam GP = S	Photoion ple si oil sar	onization det ubmitted for	laborated by	atory a / usino	analysi g 1.5-ir	s. Other samples collected were a ch-diameter acetate liners within	archived at the laborathe drilling rods.	atory.			

REMARKS

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Anchor QEA, LLC							PROJECT NAME 8th Avenue Terminals			
PROJECT NUMBER _101.00902.00003							PROJECT LOCATION 7400 8th Avenue South, Seattle, WA			
DATE STARTED 7/11/14 COMPLETED 7/11/14							GROUND ELEVATION	HOLE SIZE 2.125-inch-diamet		
DRILLING CONTRACTOR ESN-NW DRILLING METHOD Direct Push							GROUND WATER LEVELS:			
							AT TIME OF DRILLING 7.5 ft			
LOGGED	BY	C. Lee			CHE	CKED BY	AFTER DRILLING			
NOTES							_			
O DEPTH (ft) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION		(800) CIG	
				GP	000	Sandy GRAVEL by	rown, fine grained, moist, no odor/staining			
· -\/)		brown, fine grained, moist, no odor/staining			
	GP		60							
				SP						
-		IAB2-3-5*							0.	
5				-		5.5				
\ /		IAB2-5-7*		GP	000	6.0 Sandy GRAVEL be	rown, fine grained, moist, no odor/staining		2.	
\/		17.152 0 7				Silty SAND brown	, fine grained, moist to wet, no odor/staining			
· -	GP		65			<u> </u>				
	Oi	IAB2-7-9	0.5			_			1.	
10										
10										
\/										
\/				SM						
	GP		65							
\		IAB2-13- 15							0.	
15										
\ /										
/										
						17.0 Clean SAND dark	gray, fine to medium grained, wet, no odor/st	aining		
	GP		70			Glouit GAILD Gailk	gray, me to mediam grained, wet, no odonot	aning		
1/\1		IAB2-18-		SP						
\		20							0.	
20						20.0	@ 20.0 foot			
						Boring completed	@ 20.0 leet			
REMA	RKS	<u> </u>								
PID = P	hotoid	onization de								
* = Sam GP = Sc	iple si oil sar	ubmitted for	laborated by	atory a	analys a 1.5-ir	s. Other samples collected nch-diameter acetate liners	d were archived at the laboratory. s within the drilling rods.			
			-		, 11	s.coto. doctato ilitore	- · · · · · · · · · · · · · · · · · · ·			
	r leve	at time of	drilling] .						

REMARKS

PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

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PROJEC	T NUI	MBER 101.	.00902	2.0000)3	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA			
DATE STARTED 7/13/14 COMPLETED 7/13/14						PLETED 7/13/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diam	GROUND ELEVATION HOLE SIZE 2.125-inch-diameter		
DRILLIN	G COI	NTRACTOR	ESN	N-NW		GROUND WATER LEVELS:			
DRILLIN	G ME	THOD Dire	ct Pus	sh		AT TIME OF DRILLING 9 ft			
LOGGE	BY _	P. LeDoux			CHE	CKED BY AFTER DRILLING			
NOTES									
o DEPTH (ft)	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)		
					60.0	0.5 ASPHALT			
				GP		Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining 2.0 Cravelly SAND (95% Sand, 15% Cravel) brown, fine grained, maint, no oder/staining	_		
5	GP		70	SP		Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, moist, no odor/staining			
		IAB20-5-7*		SP		Gravelly SAND with debris (45% Sand, 15% gravel, 40% Debris) black, fine grained, moist, woody debris with strong creosote odor @ 7' bgs	0.1		
	GP	IAB20-7-9*	70	SP- SM		SAND with silty fines (90% Sand, 10% Silt) gray, fine to medium grained, wet, no odor/staining 9.0 ▼	0.1		
	\					Silty SAND (55% Sand, 45% Silt) gray, fine grained, wet, no odor/staining			
10	GP	IAB20-9- 11	90	SM			0.0		
15	GP	15	95			18.0 Clean SAND (100% Sand) dark gray, fine to medium grained, wet. no odor/staining	0.0		
10 Cdb(7)		IAB20-18- 20		SP		20.0	0.0		
¥ ±						Boring completed @ 20.0 feet			
* = San GP = S	Photoion ple si soil sar	onization de ubmitted for	laborated by	atory a / using	analysi g 1.5-ir	s. Other samples collected were archived at the laboratory. ich-diameter acetate liners within the drilling rods.			

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT	And	hor QEA, LL	.C				PROJECT NAME 8th Avenue Terminals	PROJECT NAME 8th Avenue Terminals			
PROJECT NUMBER _101.00902.00003							PROJECT LOCATION _7400 8th Avenue South, Seattle, WA	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA			
DATE STARTED 7/13/14 COMPLETED 7/13/14							ED _7/13/14 GROUND ELEVATION	diameter			
DRILLING CONTRACTOR _ESN-NW							GROUND WATER LEVELS:				
DRILLING METHOD Direct Push							AT TIME OF DRILLING 9 ft				
LOGGE	D BY	P. LeDoux			CHE	CKED	BY AFTER DRILLING				
NOTES											
O DEPTH (ft) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION	PID (ppm)			
						0.5	ASPHALT				
	/			GP	000		Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining				
	1			GP	00	1					
- 1	GP		60		0		Gravelly SAND (80% Sand, 15% Gravel, 5% Silt) light brown, fine grained, moist, no				
1 ∧					0 (5	odor/staining				
L]/\					0						
_				SP	0						
5				1	0 (5					
\	/	IAB21-5-7*			0			0.0			
\ <i> </i>					00	7.0					
- 11	GP		100		^	7.0	Clean SAND (100% Sand) dark gray, fine grained, moist, no odor/staining				
1 ∧	GF	IAB21-7-9*		SP				0.2			
/\						8.5	▼ Silty SAND (55% Sand, 45% Silt) gray, fine grained, wet, no odor/staining				
				SM] -	<u>. </u>				
10		IAB21-9-		-		10.5		0.4			
\	1	11		SM		10.0	Silty SAND with gravel (70% Sand, 15% Silt, 15% Gravel) brown, fine grained, moist, no				
				Olvi		11.5	odor/staining Silty SAND with organics (50% Sand, 40% Silt, 10% organics) gray, fine grained, wet, no				
			400				odor/staining, wood chips @ 13'-14' with trace roots				
/ /	GP		100								
/\		IAB21-13-		SM							
	\setminus	15						0.0			
15				-							
\	1					16.0					
「							Silty SAND (85% Sand, 15% Silt) gray, fine grained, wet, no odor/staining				
				SM							
	GP		90			18.0					
7/\							Clean SAND (100% Sand) dark gray, fine grained, wet, no odor/staining				
// \	\setminus	IAB21-18- 20		SP				0.2			
20						20.0					
							Boring completed @ 20.0 feet				
DELC	N D L C	•									
REMA		5 ionization de	tector								
* = San	nple s	submitted for	labora	atory a			ner samples collected were archived at the laboratory.				
GP = S	soil sa	mples collec	ted by	/ usin	g 1.5-i	nch-dia	ameter acetate liners within the drilling rods.				
	er lev	el at time of	drillind	j.							
				-							

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PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJEC	T NUI	MBER 101.	.00902	2.0000)3	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA		
DATE ST	ARTE	D 7/13/14			COM	PLETED 7/13/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diam	GROUND ELEVATION HOLE SIZE 2.125-inch-diameter		
DRILLING	G COI	NTRACTOR	ESN	N-NW		GROUND WATER LEVELS:			
DRILLING	G ME	THOD Dire	ct Pus	sh		AT TIME OF DRILLING 9 ft			
LOGGED	BY	P. LeDoux			CHE	CKED BY AFTER DRILLING			
NOTES									
O DEPTH (ft) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)		
						0.5 ASPHALT			
				GP		Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining			
	GP		65	SP	500	Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, moist, no odor/staining 4.5			
5				SP		Woody SAND (75% Sand, 25% Wood) black, fine grained, moist, weak creosote odor, wood chips throughout 6.0			
	GP	IAB22-5-7*	80	SP		SAND with debris (85% Sand, 15% Debris) dark gray, fine grained, moist, minor brick fragments, no odor/staining 8.0	0.4		
		IAB22-7-9*		ML		Sandy SILT (85% Silt, 15% Sand) gray, wet, no odor/staining 9.5	0.0		
10		IAB22-9- 11				Silty SAND (60% Sand, 40% Silt) gray, fine grained, wet, no odor/staining	0.0		
	GP	IAB22-13- 15	85	SM		14.5	0.0		
15				SP- SM		SAND with silty fines (95% Sand, 5% Silt) gray, fine grained, wet, no odor/staining 17.0			
	GP	IAB22-18- 20	90	SP		Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining	0.2		
20						20.0			
						Boring completed @ 20.0 feet			
* = Sam GP = So	hotoion ple si oil sar	onization de ubmitted for	labora ted by	atory a using	analysi g 1.5-ir	s. Other samples collected were archived at the laboratory. ch-diameter acetate liners within the drilling rods.			

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CLIENT Anchor QEA, LLC							PROJECT NAME 8th Avenue Terminals	PROJECT NAME 8th Avenue Terminals				
PROJ	EC1	Γ NUN	IBER _101.	.00902	2.0000)3	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA					
DATE	ST	ARTE	D 7/18/14			COM	PLETED 7/18/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diame	eter				
DRILL	INC	CON	ITRACTOR	Holo	cene		GROUND WATER LEVELS:					
DRILL	ING	MET	HOD Dire	ct Pus	sh		TAT TIME OF DRILLING 9 ft					
							CKED BY AFTER DRILLING					
NOTE	S											
O DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)				
	П						0.5 ASPHALT					
	\/						GP		Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining			
		GP	IAB22A-0- 7	85	SP		Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, moist, no odor/staining 4.5	0.0				
5									SP	SP	Woody SAND (75% Sand, 25% Wood) black, fine grained, moist, weak creosote odor, wood chips throughout	
		GP		90	SP		SAND with debris (85% Sand, 15% Debris) dark gray, fine grained, moist, minor brick fragments, no odor/staining 8.0					
						ML		Sandy SILT (85% Silt, 15% Sand) gray, wet, no odor/staining ▼ 9.5				
10					SM		10.0 Silty SAND (60% Sand, 40% Silt) gray, fine grained, wet, no odor/staining					

Boring completed @ 10.0 feet

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

 $\overline{igspace}$ Water level at time of drilling.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Anchor QEA, LLC		PROJECT NAME 8th Avenue Terminals
PROJECT NUMBER 101.00902	.00003	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA
DATE STARTED 7/14/14	COMPLETE	D _7/14/14 GROUND ELEVATION HOLE SIZE _2.125-inch-diamet
DRILLING CONTRACTOR ESN	-NW	GROUND WATER LEVELS:
DRILLING METHOD _Direct Push	<u>1</u>	AT TIME OF DRILLING 9 ft
LOGGED BY P. LeDoux	CHECKED B	Y AFTER DRILLING
NOTES		
O DEPTH (ft) INTERVAL TYPE SAMPLE NAME RECOVERY %	U.S.C.S. GRAPHIC LOG	MATERIAL DESCRIPTION
	0.0	ASPHALT
-\	GP CC	Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/ staining
. 4// -	2.0	0 H 00ND (050) 0 H 450) 0 NH 5
GP 70	0 0	Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, moist, no odor/staining
7/\	SP 5	
/	0 4.5	
5	U 17.0	Gravelly SAND (85% San, 15% Gravel) black, fine grained, moist, weak creosote odor
	SP	
-	Ø 6.0	SAND with silty fines (95% Sand, 5% Silt) gray, fine grained, moist, no odor/staining
	SP-	5. a. 2
GP 85	SM	
	8.5	
/ \		Sandy SILT (55% Silt, 45% Sand) gray, wet, weak organic odor, no staining
10	ML	
IAB23-9-		
11	11.0	Cit. CAND /700/ Cond 200/ Cit/ way, fire avained wat as adar/staining
	SM 12.0	Silty SAND (70% Sand, 30% Silt) gray, fine grained, wet, no odor/staining
GP 100		Silty SAND with organics (50% Sand, 45% Silt, 5% Organics) gray, fine grained, wet,
		wood chips @ 14'-16' and 17' bgs
15		
15	SM	
	17.5	
GP 100 -		SAND with organics (95% Sand, 5% Organics) dark gray, fine to medium grained, wet, no
 IAB23-18-	SP	odor/staining, wood chips throughout
	-	
20	20.0	
		Boring completed @ 20.0 feet
DEMARKS		
REMARKS PID = Photoionization detector		
		r samples collected were archived at the laboratory.
GP = Soil samples collected by	using 1.5-inch-dian	neter acetate liners within the drilling rods.
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20th Ave. SE, Suite G-202 Washington 98021 ne: 425.402.8800 Fax: 425.402.8488

CLIENT Anchor QEA, LLC						PROJECT NAME 8th Avenue Terminals			
PROJEC	T NUN	IBER 101.	.00902	2.0000	3	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA		
DATE ST	TARTE	D 7/18/14			COM	PLETED 7/18/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diame	eter		
DRILLIN	G CON	ITRACTOR	Holo	cene		GROUND WATER LEVELS:			
DRILLIN	G MET	HOD Dire	ct Pus	h		AT TIME OF DRILLING 9 ft			
LOGGE	BY _	P. LeDoux			CHEC	CKED BY AFTER DRILLING			
NOTES									
O DEPTH (ft) INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)		
						0.5 ASPHALT			
						Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/ staining 2.0			
	GP	IAB23A-0- 7	80	SP		Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, moist, no odor/staining 4.5	0.1		
5				SP	SP 0	Gravelly SAND (85% San, 15% Gravel) black, fine grained, moist, weak creosote odor 6.0			
	GP		90	SP- SM		SAND with silty fines (95% Sand, 5% Silt) gray, fine grained, moist, no odor/staining 8.5			
10				ML		▼ Sandy SILT (55% Silt, 45% Sand) gray, wet, weak organic odor, no staining 10.0			

Boring completed @ 10.0 feet

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

 $\overline{igspace}$ Water level at time of drilling.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT	Anch	nor QEA, LL	С			PROJECT NAME 8th Avenue Terminals	PROJECT NAME 8th Avenue Terminals					
PROJEC	T NUI	MBER _101	.00902	2.0000)3	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA						
DATE ST	ARTE	ED <u>7/13/14</u>			CON	PLETED _7/13/14 GROUND ELEVATION HOLE SIZE _2.125-inch-dia	ameter					
DRILLING CONTRACTOR ESN-NW DRILLING METHOD Direct Push						GROUND WATER LEVELS:						
						AT TIME OF DRILLING 10 ft						
LOGGED	LOGGED BY P. LeDoux					CKED BY AFTER DRILLING						
NOTES												
O DEPTH (ft) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)					
						0.5 ASPHALT						
				GP		Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining						
-		70		0	Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, moist, no odor/staining							
GP			70	SP	0 (
					0	4.0						
_						Clean SAND (100% Sand) black, fine grained, moist, weak creosote odor						
5				SP								
\		IAB24-5-7*					0.					
\/					000	6.5 Sandy GRAVEL with silt (80% Gravel, 15% Sand, 5% Silt) gray, fine grained, dry, no						
- 11	GP		85	GP	000	_{7.5} odor/staining						
\		IAB24-7-9*	00	SP- SM		SAND with silty fines (95% Sand, 5% Silt) brown, fine grained, moist, no odor/staining 8.5	0.4					
_]/\						Silty SAND (55% Sand, 45% Silt) gray, fine grained, moist to wet, no odor/staining						
40												
10		IAB24-9-		1		Ā	0.0					
. 4/		11										
	GP		80									
/ /		IAB24-13-										
				SM			0.					
45		15	15				0.					
15				1								
\\ /												
1\/												
- 1	GP		95									
\			55									
/\		IAB24-18-				19.0						
- 7		20		SP		Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining	0.3					
20						20.0 Boring completed @ 20.0 feet						
REMA	RKS	3										
PID = P	hotoi	onization de										
						s. Other samples collected were archived at the laboratory. ch-diameter acetate liners within the drilling rods.						
		·	•			· • • • • • • • • • • • • • • • • • • •						
$\stackrel{\checkmark}{}$ Wate	er leve	el at time of	drilling].								

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT	Anch	or QEA, LL	С		PROJECT NAME 8th Avenue Terminals	
PROJEC	CT NUI	MBER 101.	00902	2.0000	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA	
DATE S	TARTE	D 7/14/14			COMPLETED 7/14/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diame	eter
DRILLIN	IG COI	NTRACTOR	ESN	I-NW	GROUND WATER LEVELS:	
DRILLIN	IG ME	THOD Dire	ct Pus	h	AT TIME OF DRILLING 12 ft	
LOGGE	D BY	P. LeDoux			CHECKED BY AFTER DRILLING	
NOTES						
O (ft)	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	MATERIAL DESCRIPTION	PID (ppm)
					0.5 ASPHALT Sandy GRAVEL (55% Gravel 45% Sand) gray fine grained dry no odor/staining	
	/			GP	Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining	
\/				SP	Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, moist, no odor/staining	
_	GP		80	SP	SAND with organics (90% Sand, 10% Organics) gray, fine grained, moist, no odor/staining, minor roots	
	\setminus				SAND with silty fines (95% Sand, 5% Silt) black, fine grained, weak creosote odor	
5	GP	IAB25-5-7*	85	SP- SM		0.2
 10	GP	IAB25-7-9*	00		9.5 Clean SAND (100% Sand) gray, fine to medium grained, moist, no odor/staining	0.0
-10		IAB25-9-		SP	Clour of the (1007) candy gray, mile to mediam grames, molec, no each caming	0.0
	GP	11 IAB25-13- 15	85	SM	Silty SAND (70% Sand, 30% Silt) gray, fine grained, wet, no odor/staining	0.3
	GP	IAB25-18- 20	100	SP- SM	SAND with silty fines (95% Sand, 5% Silt) dark gray, fine to medium grained, wet, no odor/staining	0.0
20	1			<u> </u>	Boring completed @ 20.0 feet	

REMARKS

SLR SB LOG ANCHOR - 8TH AVE (2).GPJ GINT US.GDT 7/25/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Duplicate sample EB-91-10.0' was collected over the same interval as sample EB-41-10.0'.

 $[\]subseteq$ Water level at time of drilling.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Anchor QEA, LLC								PROJECT NAME 8th Avenue Terminals		
PROJ	PROJECT NUMBER _101.00902.00003							PROJECT LOCATION _7400 8th Avenue South, Seattle, WA		
DATE	ST	ARTE	D 7/22/14			COM	PLETED _7/22/14	GROUND ELEVATION	HOLE SIZE 2.125-inch-diam	neter
DRILL	RILLING CONTRACTOR Holocene							GROUND WATER LEVELS:		
DRILL	ING	MET	HOD Dire	ct Pus	sh			AT TIME OF DRILLING		
LOGG	ED	BY	P. LeDoux			CHE	CKED BY	AFTER DRILLING		
NOTE	S									
O DEPTH (ft) INTERVAL TYPE SAMPLE NAME NAME U.S.C.S.				%	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION			PID (ppm)
	1					5 · · · · ·	0.5 ASPHALT			
	-\ /				GP	000	Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining 1.5			
	M				SP	0		Sand, 15% Gravel) brown, fine grained,	moist, no odor/staining	
	I X I	GP	IAB25A-2-	80	-	ι · Λ	2.5 SAND with organics (90% Sand, 10% Organics) gray, fine grained, moist, no		ained moist no	
-	1//		4		SP		odor/staining, minor ro		amed, moist, no	0.0
	4/ \l						SAND with silty fines	(95% Sand, 5% Silt) black, fine grained	, weak creosote odor	
5	I۱									
			IAB25A-4-							0.1
	1 /		6							
	1\/		IAB25A-6-		SP- SM					
-	111	GP	8	100						0.0
	11	Oi		100						
	$ \cdot $									
-	1 1						9.5			
10							10.0 Clean SAND (100% Sa	and) gray, fine to medium grained, mois	t, no odor/staining	

Boring completed @ 10.0 feet

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIE	NI _	Anch	or QEA, LL	C .			PROJECT NAME 8th Avenue Terminals	
PROJ	EC	T NUN	IBER 101.	00902	2.0000	3	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA	
DATE	ST	ARTE	D 7/22/14			COMF	PLETED 7/22/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diameter	eter_
DRILI	LINC	CON	ITRACTOR	Holo	cene		GROUND WATER LEVELS:	
DRILI	LINC	MET	HOD Dire	ct Pus	h		AT TIME OF DRILLING	
LOGO	SED	BY _	P. LeDoux			CHEC	KED BY AFTER DRILLING	
NOTE	S							
O DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	1					2 C 1 C 1	0.5 ASPHALT	
	1\/				GP		Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining	
	$\left \right $	0.0			SP	。 (\)	Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, moist, no odor/staining	
	$\left \left \right \right $	GP	IAB25B-2- 4	90	SP		SAND with organics (90% Sand, 10% Organics) gray, fine grained, moist, no odor/staining, minor roots	0.0
	$\ \cdot\ $						SAND with silty fines (95% Sand, 5% Silt) black, fine grained, weak creosote odor	
5			LABOSE 4					0.0
	M		IAB25B-4- 6					0.0
	1\/				SP-			
	$\ \cdot\ $		IAB25B-6- 8		SM			0.0
L.	111	GP		85				
10					SP		9.5 10.0 Clean SAND (100% Sand) gray, fine to medium grained, moist, no odor/staining	

Boring completed @ 10.0 feet

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT	Anch	nor QEA, LL	С			PROJECT NAME 8th Avenue Terminals	PROJECT NAME 8th Avenue Terminals		
PROJEC	T NUI	MBER <u>101</u>	.00902	2.0000)3	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA			
DATE ST	ARTE	D 7/14/14			CON	IPLETED 7/14/14 GROUND ELEVATION HOLE SIZE 2.125-inch-d	liameter		
DRILLING	G CO	NTRACTOR	ESN	N-NW		GROUND WATER LEVELS:			
DRILLING	G ME	THOD Dire	ct Pus	sh		AT TIME OF DRILLING 11 ft			
LOGGED	BY	P. LeDoux			CHE	CKED BY AFTER DRILLING			
O DEPTH (ft) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (man)		
						0.5 ASPHALT			
				GP		Sandy Give Le (35% Graver, 45% Sand) gray, fine grained, dry, no oddinstaining			
GP	GP		80	SM		Silty SAND with organics (55% Sand, 40% Silt, 5% Organics) gray, fine grained, weak creosote odor, small wood chips throughout			
5						SAND with silty fines (95% Sand, 5% Silt) black, fine to medium grained, moist, weak creosote odor			
		IAB26-5-7*		SP- SM		7.0	0.		
	GP	IAB26-7-9*	70	SP		Clean SAND (100% Sand) dark gray, fine to medium grained, moist, no odor/staining	0		
10						Silty SAND with organics (55% Sand, 40% Silt, 5% Organics) dark gray, fine grained, moist to wet, weak organic odor, wood chips throughout			
		IAB26-9- 11				<u>▼</u>	0		
	GP	IAB26-13- 15	80	SM			0		
						16.0 Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining			
	GP	IAB26-18- 20	80	SP			0		
20	1				je Vejesi	Boring completed @ 20.0 feet			
* = Sam GP = So Duplica	hotoion ple soil san te san	onization de ubmitted for nples collec	laborated by 2.5' co	atory a using ollecte	g 1.Ś-iı	is. Other samples collected were archived at the laboratory. nch-diameter acetate liners within the drilling rods. terval of sample EB-47-2.5'.			

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT	Anch	or QEA, LL	С			PROJECT NAME 8th Avenue Terminals	PROJECT NAME 8th Avenue Terminals			
PROJEC	T NUI	MBER _101	.00902	2.0000)3	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA			
DATE ST	ARTE	D 7/14/14			CON	PLETED _7/14/14 GROUND ELEVATION	ch-diameter			
DRILLIN	G COI	NTRACTOR	ESN	N-NW		GROUND WATER LEVELS:				
DRILLIN	G ME	THOD Dire	ct Pus	sh		AT TIME OF DRILLING 11 ft				
LOGGED	BY	P. LeDoux			CHE	CKED BY AFTER DRILLING				
NOTES										
O DEPTH (ft) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (man)			
						0.5 ASPHALT				
\/				GP	000	Sandy GRAVEL (55% Gravel, 45% Sand) brown, fine grained, dry, no odor/staining				
\					00	2.0 Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, moist, no odor/staining				
ΙX	GP		70	SP	0 0	Gravery SAND (65% Sand, 15% Graver) blown, line granied, moist, no odor/staining				
7/\				3P						
					0	4.0 Silty SAND (85% Sand, 15% Silt) black, fine to medium grained, moist, no odor, iron o.	xide			
5				SM		staining				
1						6.0				
/ /		IAB27-5-7*	95			Clean SAND (100% Sand) dark gray, fine to medium grained, moist, no odor/staining	0.			
GI		IAB27-7-9*		SP			0.:			
	GP					8.0	0			
- 1/\		9*				Sandy SILT (55% Silt, 45% Sand) gray, fine grained, moist, no odor/staining	0.2			
10				NAI						
		IAB27-9- 11		ML ML			0.			
/ /		''	80			Ť				
						12.0				
	GP			80		S	Silty SAND (55% Sand, 45% Silt) gray, fine grained, wet, no odor/staining			
/ /		IAB27-13-		SM						
\							0.			
15		15				14.5 Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining				
				1						
[\/										
- 1	GP		80	SP						
	-									
]/\		IAB27-18-					0.			
7		20					0.			
20					<u>kasalai</u>	20.0 Boring completed @ 20.0 feet				
REMA	RKS									
		onization de			an al-	Other complex collected were crebined at the laboratory				
GP = S	oil sar	nples collec	ted by	/ using	g 1.Ś-i	s. Other samples collected were archived at the laboratory. ich-diameter acetate liners within the drilling rods.				
Duplica	te sar	nple EB-93-	10.0'	collect	ted ov	er the same interval as sample EB-5-10.0'.				
\perp Wate	er leve	at time of	drilling	J .						

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Duplicate sample EB-93-10.0' collected over the same interval as sample EB-5-10.0'.

 $[\]subseteq$ Water level at time of drilling.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT	Anch	or QEA, LL	C			PROJECT NAME 8th Avenue Terminals	PROJECT NAME 8th Avenue Terminals		
PROJEC	T NUI	/IBER <u>101</u>	.00902	2.0000)3	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA			
DATE ST	ARTE	D 7/14/14			CON	PLETED _7/14/14 GROUND ELEVATION HOLE SIZE _2.125-inch-diam	neter		
DRILLING	G COI	NTRACTOR	ESN	I-NW		GROUND WATER LEVELS:			
DRILLING	G MET	THOD Dire	ct Pus	h		AT TIME OF DRILLING 11 ft			
LOGGED	BY _	P. LeDoux			CHE	CKED BY AFTER DRILLING			
NOTES									
O DEPTH (ft) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (pam)		
						0.5 ASPHALT			
				GP		Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining			
- \	CD		90			Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, moist, no odor/staining			
	GP		80	SP	0 (
/\					0	4.0			
F 1/						SAND with debris (95% Sand, 5% Debris) black, fine grained, moist, weak creosote odor,			
5				SP		trace brick fragments throughout			
\ /		IADO0 5 7*		J.					
		IAB28-5-7* IAB28-7-9* IAB102-7-				6.5	0.		
	GP			SP- SM		SAND with silty fines (95% Sand, 5% Silt) gray, fine to medium grained, moist, no odor/staining	0.0		
			90			Silty SAND with organics (55% Sand, 40% Silt, 5% Organics) gray, fine grained, moist to wet, no odor/staining, trace wood chips throughout	0.		
10	GP	9* IAB28-9- 11 IAB28-13- 15	100	SM		14.5 Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining	0.		
20	GP	IAB28-18- 20	100	SP		20.0	0.		
	'	1			1	Boring completed @ 20.0 feet	-		
* = Sam GP = S	hotoid ple su oil sar	nization de ubmitted for	labora ted by	atory a using		s. Other samples collected were archived at the laboratory. sch-diameter acetate liners within the drilling rods.			

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT	Anch	or QEA, LL	C			PROJECT NAME 8th Avenue Terminals	
PROJEC	T NUN	/IBER _101.	.00902	2.0000	3	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA	
DATE ST	TARTE	D 7/18/14			COMP	LETED 7/18/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diam	eter
DRILLIN	G CON	ITRACTOR	Holo	cene		GROUND WATER LEVELS:	
DRILLIN	G MET	HOD Dire	ct Pus	sh		AT TIME OF DRILLING	
LOGGE	BY _	P. LeDoux			CHEC	KED BY AFTER DRILLING	
NOTES							
O DEPTH (ft)	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
						.5 ASPHALT	
				GP		Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining	
	GP	IAB28A-0- 7	80	SP	。 。)	Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, moist, no odor/staining	0.0
5						SAND with debris (95% Sand, 5% Debris) black, fine grained, moist, weak creosote odor, trace brick fragments throughout	
				SP	6	.5	
	GP		90	SP- SM	7	SAND with silty fines (95% Sand, 5% Silt) gray, fine to medium grained, moist, no odor/staining	
/	GP		90	SM		Silty SAND with organics (55% Sand, 40% Silt, 5% Organics) gray, fine grained, moist to wet, no odor/staining, trace wood chips throughout	
10					1 1	0.0 Raring completed @ 10.0 feet	

Boring completed @ 10.0 feet

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJEC	PROJECT NUMBER 101.00902.00003 PROJECT LOCATION 7400 8th Avenue South, Seattle, WA							
DATE S	TARTE	7/14/14			COM	PLETED _7/14/14 GROUND ELEVATION HOLE SIZE _2.125-inch-dian	neter	
DRILLIN	IG COI	NTRACTOR	ESN	N-NW		GROUND WATER LEVELS:		
DRILLIN	IG ME	THOD Dire	ct Pus	sh		AT TIME OF DRILLING 10 ft		
LOGGEI	D BY	P. LeDoux			CHE	CKED BY AFTER DRILLING		
NOTES								
o DEPTH (ft)	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	
					6·O· (·.	0.5 ASPHALT		
	GP		85	GP		Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining 2.0 Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, moist, no odor/staining	_	
			00	SP	0 ()	4.0 SAND with silty fines (95% Sand, 5% Silt) black, fine grained, moist, weak creosote odor		
5		IAB29-5-7*		SP-			0.3	
	1	IAB29-5-7		SM				
	/	7*				6.5	0.2	
	GP	IAB29-7-9*	85	SP		Clean SAND (100% Sand) gray, fine to medium grained, moist, no odor/staining 8.5	0.0	
	\setminus					Silty SAND (55% Sand, 45% Silt) gray, fine grained, wet, no odor/staining	1	
10						_		
10		IAB29-9-		1		Ã	0.0	
	GP	11 IAB29-13- 15	80	SM		14.5 Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining	0.2	
	GP	IAB29-18-	70	SP				
2).GP		20					0.0	
20						20.0 Boring completed @ 20.0 feet		
H						Bonnig completed @ 20.0 leet		
* = Sar GP = S	Photoion ple si Soil sar	onization de ubmitted for	laborated by	atory a / using	analysi g 1.5-ir	s. Other samples collected were archived at the laboratory. ch-diameter acetate liners within the drilling rods.		

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PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJEC	T NUI	/IBER _101	.00902	2.0000	03	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA		
DATE ST	TARTE	D 7/11/14			CON	PLETED _7/11/14 GROUND ELEVATION HOLE SIZE _2.125-inch-dian	neter		
DRILLIN	G CO	NTRACTOR	ESN	I-NW		GROUND WATER LEVELS:			
DRILLIN	G ME	THOD Dire	ct Pus	sh		AT TIME OF DRILLING 5 ft			
LOGGE	BY _	C. Lee			CHE	CKED BY AFTER DRILLING			
NOTES									
O DEPTH (ft)	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)		
					2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	CONCRETE			
├				GP		O I ODANELE LUI S	1		
	GP		80	SP- SM	500	Clean SAND brown, fine grained, moist, no odor/staining 3.5			
5		IAB3-3-5*		SM		Silty SAND brown, fine grained, moist to wet, no odor/staining	0.0		
		IAB3-5-7*				5.5 SILT grayish brown, wet, no odor/staining	0.0		
	GP	IAB3-7-9	85	ML		9.0	0.0		
						Sandy SILT brown, fine grained, wet, no odor/staining	1		
10				ML		12.0			
	GP	IAB3-13-	100	SP		Clean SAND brown, fine grained, wet, no odor/staining 14.0	0.0		
15	\	15				WOOD 15.0	0.0		
	GP		100	SP		Clean SAND brown, fine grained, wet, no odor/staining 17.5			
(2).GPJ GINT US		IAB3-18- 20	100	SP		Clean SAND dark gray, fine to medium grained, wet, no odor/staining	0.0		
20]	1			<u> </u>	<u>[evite]</u>	Boring completed @ 20.0 feet			
* = San GP = S	Photoion ple su soil sar	nization de ubmitted for	labora ted by	atory a using	analys g 1.5-iı	s. Other samples collected were archived at the laboratory. ch-diameter acetate liners within the drilling rods.			

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PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJEC	CT NU	MBER _101.	.00902	2.0000)3	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA		
DATE S	TARTI	ED <u>7/14/14</u>			COM	PLETED 7/14/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diam	eter		
DRILLIN	IG CO	NTRACTOR	ESN	N-NW		GROUND WATER LEVELS:			
DRILLIN	IG ME	THOD Dire	ct Pus	sh		AT TIME OF DRILLING 10 ft			
LOGGEI	D BY	P. LeDoux			CHE	CKED BY AFTER DRILLING			
NOTES									
O DEPTH (ft)	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)		
					6· · · (·.	0.5 ASPHALT			
			0.5	GP		Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining			
	GP		85	SP	0 0	Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, moist, no odor/staining 4.0			
5				SP- SM		SAND with silty fines (90% Sand, 10% Silt) dark gray, fine grained, moist, no odor/staining			
├ -\	/	IAB30-5-7*				6.0 Clean SAND (100% Sand) dark gray, fine to medium grained, moist, no odor/staining	0.0		
1 \/				0.0		Clean SAND (100% Sand) dark gray, line to medium grained, moist, no odor/staining			
	GP	IAB30-7-9*	85	SP			0.1		
10	IAB104-7- 9*		104-7-			Silty SAND (60% Sand, 40% Silt) gray, fine grained, wet, no ofor/staining	0.1		
15	GP	IAB30-9- 11 IAB30-13- 15	90	SM		14.5 Sandy SILT (60% Silt, 40% Sand) gray, fine grained, wet, no odor/staining	0.2		
				ML		3			
	GP		85	SP		Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining			
g -		IAB30-18- 20					0.7		
20		20				20.0			
	-					Boring completed @ 20.0 feet			
* = Sar GP = S	Photoi nple s Soil sai	onization de ubmitted for	labora ted by	atory a	analysi g 1.5-ir	s. Other samples collected were archived at the laboratory. ch-diameter acetate liners within the drilling rods.			

REMARKS

PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJECT NUMBER 101.00902.00003								PROJECT LOCATION 7400 8th Avenue South, Seattle, WA				
DATE STARTED 7/14/14 COMPLETED 7/14/14							7/14/14	GROUND ELEVATION		HOLE SIZE	2.125-inch-diamet	ter
DRILLING CONTRACTOR ESN-NW								GROUND WATER LEVE	ELS:			
DRILLING	G ME1	HOD Dire	ct Pus	sh				AT TIME OF DRIL	LING 10 ft			
LOGGED BY P. LeDoux CHECKED BY								AFTER DRILLING	·			
NOTES								_				
O DEPTH (ff)	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG			MATERIAL DI	ESCRIPTION			PID (ppm)
					6·O·(·	0.0	ASPHALT					
	GP		75	GP		2.0	,	5% Gravel, 45% Sand) gray % Sand, 15% Gravel) brow	_			
5				SP SM			Silty SAND (55% S	Sand, 45% Silt) dark gray, fine grained, moist, no odor/staining		ning	-	
	GP		80	GP		7.5	noist, no odor/stair	· ·				
F -1	I A I - I	IAB31-7-9*	00	SP- SM			SAND with silty fine odor/staining	es (95% Sand, 5% Silt) dar	k gray, fine to m	nedium grained	I, moist, no	0.2
10		IAB31-9- 11*		SM		0.0		and, 45% Silt) gray, fine gra	ained, wet, no o	dor/staining		0.0
	GP	11* IAB31-11- 13	95			11.5 S	Silty SAND (70% S	and, 30% Silt) dark gray, w	et, no odor/stair	ning		0.7
15		IAB31-13- 15		SM		16.5						0.0
	GP	IAB31-18- 20	90	SP			Clean SAND (100%	Sand) dark gray, fine to m	edium grained,	wet, no odor/st		0.3
20						20.0	Boring completed @	7) 20 0 feet				
Υ I						В	soming completed (<i>y</i> ∠0.0 IEEL				
* = Sam GP = Se	Photoion ple su oil san	onization de ubmitted for nples collec	laborated by	atory a / using	analys g 1.5-ir	is. Other : nch-diame	samples collected eter acetate liners	were archived at the labora within the drilling rods.	atory.			

REMARKS

PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJ	EC	T NUN	IBER <u>101.</u>	00902	2.0000	13	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA		
DATE STARTED 7/14/14 COMPLET							ED _7/14/14 GROUND ELEVATION	eter	
DRILL	INC	G CON	ITRACTOR	ESN	I-NW		GROUND WATER LEVELS:		
DRILL	INC	3 MET	HOD Dire	ct Pus	h		AT TIME OF DRILLING 10 ft		
LOGG	ED	BY _	P. LeDoux			CHECKED	BY AFTER DRILLING		
NOTE	S								
o DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	
						0.5	ASPHALT		
					GP	0 0 25	Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining		
	- GP		75	SP	2.5	Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, moist, no odor/staining			
_	V						Silty SAND with gravel (80% Sand, 15% silt, 5% Gravel) gray, fine grained, dry, no odor/staining		
					SM	7.0	· · · · · · · · · · · · · · · · · · ·		
		GP	IAB32-7-9*	85			Silty SAND (70% Sand, 30% Silt) gray, fine grained, moist to wet, no odor/staining	0.0	
10	\		IAB32-9- 11*		SM			0.0	
		GP	IAB32-11- 13	80				0.4	
 15	<u> </u>		IAB32-13- 15				14.5	Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining	0.3
		GP	IAB32-18-	100	SP		Sicuri Santa (100% Garia) dark gray, mile to medium gramed, wet, no odomstailing	0.0	
			20					0.0	
20						20.0	Boring completed @ 20.0 feet		

REMARKS

SLR SB LOG ANCHOR - 8TH AVE (2).GPJ GINT US.GDT 7/25/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Felephone: 425.402.8800 Fax: 425.402.8488

CLIENT Anchor QEA, LLC								PROJECT NAME 8th Avenue Terminals		
PROJECT NUMBER _101.00902.00003								PROJECT LOCATION 7400 8th Avenue	e South, Seattle, WA	
DATE STARTED 7/18/14 COMPLETED 7/18/14								GROUND ELEVATION	HOLE SIZE 2.125-inch-diam	eter
DRILL	INC	CON	ITRACTOR	Holo	cene			GROUND WATER LEVELS:		
DRILL	INC	MET	HOD Dire	ct Pus	sh			AT TIME OF DRILLING		
LOGG	ED	BY _	P. LeDoux				CKED BY	AFTER DRILLING		
NOTE	S									
O DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION		PID (ppm)
						: 3 . 1 . 1 .	0.5 ASPHALT			
	$\left \cdot \right $	GP		65	GP			6 Gravel, 45% Sand) gray, fine grained, dr	y, no odor/staining	
 		GP		00	SP	。)	Gravelly SAND (85% 4.0	Sand, 15% Gravel) brown, fine grained, m		
5	$\ \cdot\ $		IAB32A-0- 9				Silty SAND with grav odor/staining	rel (80% Sand, 15% silt, 5% Gravel) gray,	fine grained, dry, no	0.0
 -			-		SM		7.0			
	GP	GP		90	SM			nd, 30% Silt) gray, fine grained, moist to w	et, no odor/staining	
10							10.0	40.0 foot		

Boring completed @ 10.0 feet

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJ	EC.	T NUN	IBER _101.	00902	.0000	3	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA				
DATE STARTED 7/14/14 COMPLET							ED 7/14/14 GROUND ELEVATION HOLE SIZE 2.125-inch-di	ameter				
DRILL	INC	G CON	ITRACTOR	ESN	-NW		GROUND WATER LEVELS:					
DRILL	INC	3 MET	HOD Direc	ct Pus	h		AT TIME OF DRILLING 9 ft					
LOGG	ED	BY _	P. LeDoux			CHECKED	BY AFTER DRILLING					
NOTE	S											
o DEPTH (ft)	INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)				
						0.5	ASPHALT					
	\/				GP	2.0	Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining					
	GP	GP	GP	GP	GP	GP		80	SP	· ()	Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, moist, no odor/staining	
	//			-		0 4.0	Gravelly SAND (80% Sand, 20% Gravel) black, fine grained, moist, no odor/staining					
5					SP	6.0						
					SP		Clean SAND (100% Sand) gray, fine to medium grained, moist, no odor/staining					
	$\left \frac{1}{2} \right $	GP	IAB33-7-9*	80		7.5	Silty SAND (55% Sand, 45% Silt) gray to reddish brown, fine grained, wet, no odor	0.2				
	//		IAB33-9- 11*					0.0				
10			IAB106-9- 11*		SM			0.0				
		GP	IAB33-11- 13	75				0.4				
15	$/ \setminus$		IAB33-13- 15			14.0	Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining	0.0				
		GP	IAB33-18- 20	80	SP			0.0				
20						20.0						
							Boring completed @ 20.0 feet					

REMARKS

SLR SB LOG ANCHOR - 8TH AVE (2).GPJ GINT US.GDT 7/25/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Felephone: 425.402.8800 Fax: 425.402.8488

CLIE	NT _	Anch	or QEA, LL	C			PROJECT NAME 8th Avenue Terminals	PROJECT NAME 8th Avenue Terminals		
PROJ	IEC1	T NUN	IBER 101.	.00902	2.0000	3	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA			
DATE	ST	ARTE	D 7/18/14			COM	PLETED 7/18/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diame	eter		
DRILI	LING	CON	ITRACTOR	Holo	cene		GROUND WATER LEVELS:			
DRILI	LING	MET	HOD Dire	ct Pus	sh		AT TIME OF DRILLING 9 ft			
LOGO	GED	BY	P. LeDoux				CKED BY AFTER DRILLING			
NOTE	S_									
о ОЕРТН (#)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)		
	1						0.5 ASPHALT			
	$\frac{1}{n}$				GP		Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining 2.0			
		GP		70	SP	。 。) 。	Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, moist, no odor/staining 4.0			
5			IAB33A-0- 9		SP	。 。) 。	Gravelly SAND (80% Sand, 20% Gravel) black, fine grained, moist, no odor/staining	0.0		
		C.D.		100	SP		Clean SAND (100% Sand) gray, fine to medium grained, moist, no odor/staining 7.5			
 _ 10		GP		100	SM		Silty SAND (55% Sand, 45% Silt) gray to reddish brown, fine grained, wet, no odor 10.0			
							Paring completed @ 10.0 feet			

Boring completed @ 10.0 feet

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

 $\overline{igspace}$ Water level at time of drilling.

PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJ	EC.	T NUN	/IBER 101.	.00902	2.0000)3	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA	
DATE	ST	ARTE	D 7/15/14			COM	PLETED 7/15/14 GROUND ELEVATION HOLE SIZE 2.125-inch-dian	neter
DRILL	.INC	G CON	NTRACTOR	Holo	cene		GROUND WATER LEVELS:	
DRILL	.INC	G MET	HOD Dire	ct Pus	h		AT TIME OF DRILLING 11 ft	
LOGG	ED	BY _	P. LeDoux			CHE	KED BY AFTER DRILLING	
NOTE	S							
O DEPTH	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	1					6.O. (0.5 ASPHALT	-
					GP	000	Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining 2.0	
-	Ì	GP		95		٥٧	Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, moist, no odor/staining	
	$ \rangle $				SP	$ \circ \bigcirc $	3.5	
	/ \					O	Gravelly SAND (90% Sand, 10% Gravel) black, fine grained, moist, no odor/staining	
_	1				SP	。O		
5 		GP		95	SM		Silty SAND with gravel (50% Sand, 35% Silt, 15% Gravel) dark gray, fine grained, moist, weak creosote odor	
-	$/ \setminus$		IAB34-7-9*				Silty SAND (85% Sand, 15% Silt) brown, fine grained, moist, no odor/staining	1.9
			IAB107-7-					1.9
	\mathbb{N}		9*		SM			
10	V	0.0	IAB34-9-				10.0	
	$ \Lambda $	GP	11*	95			Silty SAND (55% Sand, 45% Silt) brown, fine grained, moist to wet, no odor/staining	0.0
	$ \rangle $						Ţ	
	/ \				SM			
	1		IAB34-11- 13				42.0	0.3
-	\/						13.0 Silty SAND (85% Sand, 15% Silt) dark gray, fine grained, wet, no odor/staining	1
	l V	GP	IAB34-13- 15	95				0.4
15	$ \Lambda $		15		SM			
	$ \rangle$							
							16.0 Clean SAND (100% Sand) dark gray, fine to medium grained, wet, not odor/staining	-
_	N /							
	IV							
-		GP		95	SP			
<u> </u>			IAB34-18- 20					0.0
20	/ \						20.0	
							Boring completed @ 20.0 feet	

REMARKS

SLR SB LOG ANCHOR - 8TH AVE (2).GPJ GINT US.GDT 7/25/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Duplicate sample EB-91-10.0' was collected over the same interval as sample EB-41-10.0'.

PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

			IBER 101	.00902	2.000	03	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA			
DATE S	ST	ARTE	D 7/17/14			CON	PLETED 7/17/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diar			
ORILLI	NG	CON	NTRACTOR	Holo	cene	!	GROUND WATER LEVELS:			
RILLI	NG	ME1	THOD _Dire	ct Pus	sh/Hol	llow-St	em Auger AT TIME OF DRILLING 12.5 ft			
OGGE	ΕD	BY	P. LeDoux			CHE	CKED BY AFTER DRILLING			
NOTES	3 _									
O DEPTH (ft)	INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)		
	1						0.5 ASPHALT			
4/	//				GP	000	Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining			
-	$\left\langle \right\rangle$	GP		100	SP	。 (<u>)</u>	Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, dry, no odor/staining 3.5			
+	-				SP		Gravelly SAND (70% Sand, 30% Gravel) black, fine grained, moist, no odor			
5	./				35	0 (5.0			
1	\mathbb{N}					9 4 4	5.5 CONCRETE			
4		GP		40			Silty SAND (85% Sand, 15% Silt) brown, fine grained, moist, no odor/staining			
-	\mathbb{I}		IAB35-7-9*					0.0		
+	1		IAB110-7-					0.0		
_/\	//		9*		SM					
10	\mathbb{N}	GP	IAB35-9- 11*	90				0.0		
+			IAB35-11-				12.5 ▼	0.0		
-\	\bigvee	CD.	13 IAB35-13-	100	SM		Silty SAND (55% Sand, 45% Silt) gray, fine grained, wet, no odor/staining 14.0			
15	\setminus	GP	15	100	SP- SM		SAND with silty fines (95% Sand, 5% Silt) reddish brown to black, fine to medium grained, wet, no odor/staining 15.5	0.0		
+	$\frac{1}{2}$						Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining			
	$\left\langle \left \right. \right\rangle $	GP	IAB35-18- 20	95	SP			0.2		
1.1	M						20.0			
20	1					1				

REMARKS

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIE	_ T <i>I</i>	Anch	or QEA, LL	<u>C</u>				PROJECT NAME 8th Avenue Termina	als	
PROJ	IEC1	r Nun	IBER 101.	.00902	2.0000)3		PROJECT LOCATION _7400 8th Avenu	ue South, Seattle, WA	
DATE	ST	ARTE	D 7/22/14			COM	PLETED 7/22/14	GROUND ELEVATION	HOLE SIZE 2.125-inch-dian	neter
DRILI	LING	CON	ITRACTOR	Holo	cene			GROUND WATER LEVELS:		
DRILI	LING	MET	HOD Dire	ct Pus	sh			AT TIME OF DRILLING		
LOGO	SED	BY _	P. LeDoux			CHE	CKED BY	AFTER DRILLING		
NOTE	s _									
O DEPTH (ft)	INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION		PID (ppm)
	I						0.5 ASPHALT			
	_\	IAB35A-0- 9	'	GP	30°C	Sandy GRAVEL (55%	% Gravel, 45% Sand) gray, fine grained, d	dry, no odor/staining	0.1	
	- //	GP	IAB35A-2- 4	75	SP	。 。) 。	Gravelly SAND (85% 3.5	Sand, 15% Gravel) brown, fine grained,	•	0.0
 5	$\left \cdot \right $				SP	。 。	Gravelly SAND (70% 5.0	s Sand, 30% Gravel) black, fine grained, r	moist, no odor	
			IAB35A-4-			P 4 4	5.5 CONCRETE			0.3
 10	-	GP	6 IAB35A-6- 8	90	SM		Silty SAND (85% San	nd, 15% Silt) brown, fine grained, moist, r	no odor/staining	0.1

Boring completed @ 10.0 feet

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Ar	nchor QEA, LL	С		PROJECT NAME 8th Avenue Terminals	PROJECT NAME 8th Avenue Terminals		
PROJECT N	IUMBER _101.	.00902	.0000	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA			
DATE STAR	TED 7/15/14			COMPLETED _7/15/14 GROUND ELEVATION	GROUND ELEVATION HOLE SIZE 2.125-inch-diameter		
DRILLING C	ONTRACTOR	Holo	cene	GROUND WATER LEVELS:			
DRILLING N	METHOD Dire	ct Pus	h	AT TIME OF DRILLING 12 ft			
LOGGED BY	Y C. Lee			CHECKED BY AFTER DRILLING			
NOTES							
O DEPTH (ft) INTERVAL	SAMPLE	RECOVERY %	U.S.C.S.	O H d B O O O MATERIAL DESCRIPTION	PID (ppm)		
			GP	0.5 ASPHALT Sandy GRAVEL light brown, fine to medium grained, moist, no odor/staining	_		
G	:P	100	SP	Clean SAND light brown to dark brown, fine grained, moist, moderate to weak creosote odor @ 3.5'-4.5' bgs			
5				5.5 Silty SAND dark brown, fine grained, moist, weak creosote odor, cobble fragments @ 7'			
- 1//			SM	bgs 7.0			
- -	iP	100	SP	7.5 Clean SAND light brown, fine grained, moist, no odor/staining			
	"	100	SM	Silty SAND brown, fine grained, moist, no odor/staining			
10				SP	Clean SAND brown, fine grained, moist, no odor/staining, fine gravel @ 11' bgs		
			ML	11.0 11.5 SILT gray, moist, no odor/staining			
]\/			IVIL	Silty SAND grayish brown, fine grained, moist to wet, no odor/staining			
G	:P	100	SM	15.0			
	IAB36-16- _ 18*			Clean SAND dark gray, fine to medium grained, wet, no odor/staining	0.1		
	IAB36-18- 20*	100	SP		0.0		
20	IAB36-20- 22			사용되는 100명 전 100명 전 - 100명 전 100명 - 100명 전 100명	0.0		
V 1				9	_		

REMARKS

SLR SB LOG ANCHOR - 8TH AVE (2).GPJ GINT US.GDT 7/25/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Duplicate sample EB-81-2.5' collected at interval of sample EB-47-2.5'.

 $[\]subseteq$ Water level at time of drilling.



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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Anchor QEA, LLC

PROJECT NAME 8th Avenue Terminals

PROJECT NUMBER <u>101.00902.00003</u> PROJECT LOCATION _7400 8th Avenue South, Seattle, WA

DEPTH (ff)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	-	GP	IAB36-22- 24	100	SP	24.0	Clean SAND dark gray, fine to medium grained, wet, no odor/staining (continued)	0.0

Boring completed @ 24.0 feet

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Duplicate sample EB-81-2.5' collected at interval of sample EB-47-2.5'.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIEN	T _	Anch	or QEA, LL	.C				PROJECT NAME 8th Avenue Terminals	
PROJE	EC	T NUI	/IBER <u>101</u>	.00902	2.0000	03		PROJECT LOCATION 7400 8th Avenue South, Seattle, WA	
DATE	ST	ARTE	D 7/15/14			CON	IPLET	ED _7/15/14 GROUND ELEVATION	neter
DRILL	INC	G COI	NTRACTOR	Hold	ocene	!		GROUND WATER LEVELS:	
DRILL	INC	G MET	THOD _Dire	ct Pus	sh			AT TIME OF DRILLING 14 ft	
LOGG	ED	BY _	C. Lee			CHE	CKED	BY AFTER DRILLING	
NOTE	S								
o DEPTH (ft)	INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION	PID (ppm)
						9.C. (0.5	ASPHALT	
	\ /				GP	600		Sandy GRAVEL light brown, fine to coarse grained, moist, no odor/staining	
	M					00			
	V I	GP		90				Clean SAND brown to dark brown, fine grained, moderate to strong creosote odor, woody debris @ 6.5' bgs	2.5
	M							465/10 @ 0.0 5g0	
	$/ \setminus $								
5	/ \				SP				
	\ /						6.5		
	W						7.0	FILL concrete	100
	V	GP		100				Clean SAND black, fine grained, moist, strong creosote-like odor and product @ 8' bgs	42.0 166
	Λ							grading to moderate	11.7
	$/ \setminus $								
10	/ \								
10					SP				
	\ /I								79.
	W								
	V	GP		90					
	Λ						13.0	Silty SAND brown, fine grained, moist to wet, moderate creosote odor/sheen on wet soil	+
	$/ \parallel$						<u> </u>	L	45.0
45	$/ \ $								75.0
15					CM				
	\ /		IAB37-16-		SM				11.0
	W		18* IAB108-						' ' '
	V	GP	16-18*	100			-		11.0
	Λ	O.		100			18.0	Clean SAND dark brown to black, fine to medium grained, wet, moderate creosote	-
	$/$ \		IAB37-18-					odor/sheen on wet soil	25.0
	$/ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$		20*		SP				25.0
_ 20 _			IAB37-20-						13.0
	\triangle		22						
* = S: GP =	= P am : So	hotoio ple su pil sar	onization de ubmitted for nples collec	laborated by	atory a	g 1.5-i	nch-dia	er samples collected were archived at the laboratory. Inneter acetate liners within the drilling rods. Is same interval as sample EB-5-10.0'.	
			I at time of			icu UV	CI LITE	שמחה ווונפועמו מט שמוווףוכ בטיט-זע.ט .	
<u> </u> ∨∨:	ale	ıı ieve	i at time of	uriiing	j.				

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Duplicate sample EB-93-10.0' collected over the same interval as sample EB-5-10.0'.

 $[\]overline{igspace}$ Water level at time of drilling.



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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Anchor QEA, LLC

PROJECT NUMBER 101.00902.00003

PROJECT NAME 8th Avenue Terminals

PROJECT LOCATION 7400 8th Avenue South, Seattle, WA

-										
DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)		
		GP	IAB37-22- 24	90	SP	24.0	Clean SAND dark brown to black, fine to medium grained, wet, moderate creosote odor/sheen on wet soil (continued)	11.0		

Boring completed @ 24.0 feet

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Duplicate sample EB-93-10.0' collected over the same interval as sample EB-5-10.0'.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Felephone: 425.402.8800 Fax: 425.402.8488

CLIENT Anchor QEA, LLC							PROJECT NAME 8th Avenue Terminals	
PROJECT NUMBER 101.00902.00003)3	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA	
DATE	DATE STARTED 7/22/14 COMPLETED 7/22/14					COM	PLETED 7/22/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diame	eter
DRILI	ING	CON	ITRACTOR	Holo	cene		GROUND WATER LEVELS:	
DRILL	INC	MET	HOD Dire	ct Pus	sh		AT TIME OF DRILLING	
LOGO	ED	BY _	P. LeDoux			CHE	CKED BY AFTER DRILLING	
NOTE	S							
O DEPTH (ft)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	1						0.5 ASPHALT	
	$\frac{1}{n}$				GP		Sandy GRAVEL light brown, fine to coarse grained, moist, no odor/staining 2.0	
 	-	GP	IAB37A-2- 4	80	SP		Clean SAND brown to dark brown, fine grained, moderate to strong creosote odor, woody debris @ 6.5' bgs	0.0
			IAB37A-4-					0.0
	4\ /I		6					
	M		IAB37A-6-			$\wedge \wedge \wedge \wedge$	6.5 7.0 FILL concrete	
 	-	GP	8	95	SP	×××	Clean SAND black, fine grained, moist,moderate creosote-like odor @ 8' bgs grading to weak	0.0
10							10.0	

Boring completed @ 10.0 feet

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Anchor QEA, LLC							PROJECT NAME 8th Avenue Terminals	
PROJECT NUMBER _101.00902.00003)3	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA	
DATE STARTED 7/22/14 COMPLETED 7/22/14						COM	PLETED 7/22/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diame	eter
DRILI	ING	CON	ITRACTOR	Holo	cene		GROUND WATER LEVELS:	
DRILI	ING	MET	HOD Dire	ct Pus	sh		AT TIME OF DRILLING	
LOGO	ED	BY _	P. LeDoux			CHE	CKED BY AFTER DRILLING	
NOTE	S							
O DEPTH	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	\ /					60(0.5 ASPHALT	
	$\frac{1}{2}$				GP		Sandy GRAVEL light brown, fine to coarse grained, moist, no odor/staining 2.0	
 - 5	-	GP	IAB37B-2- 4	90	SP		Clean SAND brown to dark brown, fine grained, moderate to strong creosote odor, woody debris @ 6.5' bgs	0.2
			IAB37B-4-					0.2
-	1\ /		6					
	M		IAB37B-6-				6.5 7.0 FILL concrete	
	1 X I	GP	8	100			Clean SAND black, fine grained, moist, moderate creosote-like odor @ 8' bgs grading to weak	0.0
	$\left\ \cdot \right\ $				SP			
10							10.0	

Boring completed @ 10.0 feet

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT	Anch	or QEA, LL	С			PROJECT NAME 8th Avenue Terminals	PROJECT NAME 8th Avenue Terminals		
PROJEC	T NUN	IBER _101.	00902	2.0000	3	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA		
DATE ST	ARTE	D 7/22/14			COMP	PLETED 7/22/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diam	eter		
DRILLING	G CON	TRACTOR	Holo	cene		GROUND WATER LEVELS:			
DRILLING	G MET	HOD Dire	ct Pus	h		AT TIME OF DRILLING 11 ft			
LOGGED	BY _	P. LeDoux			CHECI	KED BY AFTER DRILLING			
NOTES									
O DEPTH (ft) INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)		
1			-		0	0.5 ASPHALT			
				GP	2	Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining			
5	GP		90			Sandy FILL black, fine grained, moist, strong creosote odor @ 6' bgs above concrete slab			
	GP		75	SP	6 4 4 6	CONCRETE Clean SAND (100% Sand) brown, fine to medium grained, wood chips @ 14' bgs, sand has "gummy" consistancy and strong creosote odor@ 9' bgs			
	GP		70	SM		₹ Silty SAND (55% Sand, 45% Silt) gray, fine grained, wet, no odor/staining			
15	GP		100	SP		Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining			
DEMA					<u>psylvál</u>				

REMARKS

SLR SB LOG ANCHOR - 8TH AVE (2).GPJ GINT US.GDT 7/25/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Anchor QEA, LLC

PROJECT NAME 8th Avenue Terminals

PROJECT NUMBER __101.00902.00003 PROJECT LOCATION _7400 8th Avenue South, Seattle, WA

DEPTH (ff)	INTERVAL	TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)			
		GP		45			Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining (continued)				
_ 25		GP		100							
30		GP	IAB37D- 28-30	100				0.0			
_ 35		GP	IAB37D- 33-35	100	SP			0.0			
40		GP	IAB37D- 38-40	90							0.0
SLR SB LOG ANCHOR - 8TH AVE (2) GPJ GINT US GDT 7/25/14		GP		100							
8TH AVE (2).G		GP	IAB37D- 43-45	100				0.0			
SLR SB LOG ANCHOR.	REMARKS PID = Photoionization detector. * = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory. GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.										

REMARKS



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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Anchor QEA, LLC

PROJECT NAME 8th Avenue Terminals

PROJECT NUMBER <u>101.00902.00003</u> PROJECT LOCATION _7400 8th Avenue South, Seattle, WA

DEPTH (ft) INTERVAL TYPE	SAMPLE NAME	RECOVERY %	U.S.C.S. GRAPHIC		PID (ppm)
GP	IAB37D- 48-50	100	SP	Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining (continued)	0.0

Boring completed @ 50.0 feet

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT	Anc	nor QEA, LL	С			PROJECT NAME 8th Avenue Terminals	PROJECT NAME 8th Avenue Terminals		
PROJECT NUMBER _101.00902.00003						PROJECT LOCATION 7400 8th Avenue South, Seattle, WA	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA		
DATE STARTED <u>7/16/14</u> COMPLETED <u>7/16/14</u>						ETED 7/16/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diame	eter		
DRILLII	NG CO	NTRACTOR	Holo	cene		GROUND WATER LEVELS:			
DRILLII	NG ME	THOD Dire	ct Pus	h		AT TIME OF DRILLING 12 ft			
LOGGE	D BY	P. LeDoux			CHECK	ED BY AFTER DRILLING			
NOTES									
O DEPTH (ft)	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)		
_				GP	0.5	Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining			
	GP		70	SP	0 () 3.5 4.0	ASPHALT			
5				SP	。 。 。 。	Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, moist, no odor/staining			
	/				7.0				
10	GP	IAB38-7-9* IAB38-9- 11*	70		9.2 % 1.3	Silty SAND (65% Sand, 35% Silt) dark gray, fine grained, moist to wet, no odor/staining	0.2		
		IAB108-9- 11* IAB38-11- 13		SM		Ţ.	0.0		
	GP	IAB38-13- 15	80		14		0.0		
15	GP		95	SP		Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining			
20		IAB38-18- 20			20	.0 Boring completed @ 20.0 feet	0.0		

REMARKS

SLR SB LOG ANCHOR - 8TH AVE (2).GPJ GINT US.GDT 7/25/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT	Anch	or QEA, LL	.C							
PROJEC	T NUI	MBER <u>101</u>	.00902	2.0000)3					
DATE ST	ARTE	D 7/22/14			CON	PLETED 7/22/14				
DRILLING	G COI	NTRACTOR	. Hold	cene			GROUND WATER LEVELS:			
DRILLING	G ME	THOD Dire	ct Pus	sh			AT TIME OF DRILLING	12 ft		
LOGGED BY P. LeDoux CHECKED BY							AFTER DRILLING			
NOTES							_			
O DEPTH (ft) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRI	IPTION	PID (ppm)	
						0.5 ASPHALT				
\ <i>\ </i>				GP		Sandy GRAVEL (5	5% Gravel, 45% Sand) gray, fine (grained, dry, no od	lor/staining	
\ \	GP		60			FILL sandy matrix v indurated	vith brick, metal, and concrete, bla	ack, weak creosote	e odor, well	
5					4 4 4 7 4 4		Sand) brown, fine to medium gra		1 / / /	
	GP	IAB39-7-9*	65	SP					0.0	
10		IAB39-9-							0.0	
L -\\ /		11*								
\ \	GP	IAB39-11- 13 IAB39-13- 15	80	SM		=	and, 40% Silt) gray, fine grained,	moist to wet, no or	dor/staining 0.1	
15		13				14.5 Clean SAND (100%	Sand) dark gray, fine to medium	grained, wet, no o	odor/staining	
	GP	IAB39-18- 20	100	SP		20.0		_ , , , , , ,	0.0	
	1	1			<u> [2, 47.7].</u>	Boring completed (20.0 feet			
* = Sam GP = So	hotoion ple si oil sar	onization de ubmitted for	laborated by	atory a using		s. Other samples collected nch-diameter acetate liners	were archived at the laboratory. within the drilling rods.			

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Anchor QEA, LLC						PROJECT NAME 8th Avenue Terminals	PROJECT NAME 8th Avenue Terminals		
PROJECT	T NUN	/IBER <u>101</u>	.00902	2.0000)3	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA		
DATE STARTED 7/11/14 COMPLETED 7/11/14						PLETED _7/11/14 GROUND ELEVATION	2.125-inch-diameter		
DRILLING CONTRACTOR ESN-NW				I-NW		GROUND WATER LEVELS:			
DRILLING	S MET	THOD _Dire	ct Pus	h		AT TIME OF DRILLING 5.5 ft			
LOGGED	BY	P. LeDoux			CHE	CKED BY AFTER DRILLING			
NOTES _									
O DEPTH (ft) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)		
						CONCRETE			
- 1//					2 4 A	1.5			
\ \ 5	GP	IAB4-3-5*	60	SP		Clean SAND brown, fine grained, moist, no odor/staining 5.0	0.1		
7				GP	000	5.5 ▼ Sandy GRAVEL gray, moist, fine grained, no odor/staining			
\//		IAB4-5-7*		SP		Clean SAND gray, fine grained, wet, no odor/staining	0.0		
- 1//1						7.0			
10	GP	IAB4-7-9	85	ML		SILT gray, wet, no odor/staining	0.		
						10.5 Clean SAND gray, fine grained, wet, no odor/staining			
	GP	IAB4-13- 15	95	SP			0.0		
	GP	IAB4-18- 20	100	SP		18.0 Clean SAND dark gray, fine to medium grained, wet, no odor/staining	0.0		
20		<u> </u>			<u>Instit</u>	Boring completed @ 20.0 feet			
* = Sam GP = So	hotoic ple su oil san	nization de ubmitted for	labora ted by	atory a using		s. Other samples collected were archived at the laboratory. ach-diameter acetate liners within the drilling rods.			

REMARKS

PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJECT NUMBER 101.00902.00003						PROJECT LOCATION 7400 8th Avenue South, Seattle, WA	
DATE STARTED _7/17/14 COMPLETED _7/17/14						PLETED 7/17/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diam	neter
DRILLIN	G COI	NTRACTOR	Holo	cene		GROUND WATER LEVELS:	
DRILLIN	G MET	THOD _Dire	ct Pus	sh/Hol	low-St	em Auger AT TIME OF DRILLING 10 ft	
LOGGE	LOGGED BY P. LeDoux					CKED BY AFTER DRILLING	
NOTES							
o DEPTH (ff)	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
					6·O· (·	0.5 ASPHALT	
⊢ -\/				GP		Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining	
	GP		80	SP	00	Gravelly SAND (70% Sand, 30% Gravel) black, fine grained, moist, no odor/staining 3.0	-
5				SP	000	Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, moist, no odor/staining 5.0	
					P 6 4		
	GP	IAB40-7-9*	80	SP- SM		SAND with silty fines (95% Sand, 5% Silt) gray, fine grained, moist, no odor/staining	0.0
10		IAB40-9- 11*		SM		10.0 ▼ Silty SAND (55% Sand, 45% Silt) brown, fine grained, wet, no odor/staining 11.0	0.0
	GP	IAB40-11- 13	90	SP- SM		SAND with silty fines (90% Sand, 10% Silt) black, fine to medium grained, wet, no odor, iron oxide staining	0.0
		IAB40-13- 15					0.0
15						15.0	-
	GP		95	SP		Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining	
		IAB40-18- 20					0.0
20						20.0	
						Boring completed @ 20.0 feet	
* = San GP = S	Photoion ple su oil sar	nization det ubmitted for	labora ted by	atory a / using		s. Other samples collected were archived at the laboratory. ach-diameter acetate liners within the drilling rods.	

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Anchor QEA, LLC							PROJECT NAME 8th Avenue Terminals			
PROJ	ECT	L NNV	/IBER _101.	.00902	2.0000	3	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA	PROJECT LOCATION _7400 8th Avenue South, Seattle, WA		
DATE	ST	ARTE	D 7/22/14			COM	PLETED 7/22/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diame	GROUND ELEVATION HOLE SIZE 2.125-inch-diameter		
DRILI	ING	CON	NTRACTOR	Holo	cene		GROUND WATER LEVELS:			
DRILI	LING	MET	HOD Dire	ct Pus	sh		AT TIME OF DRILLING			
LOGO	ED	BY _	P. LeDoux			CHEC	CKED BY AFTER DRILLING	AFTER DRILLING		
NOTE	S_									
O DEPTH (ft)	INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)		
	1					à.∵.(·.	0.5 ASPHALT			
	$\frac{1}{2}$		IAB40A-0- 9		GP		Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining	0.0		
	GP		IAB40A-2-			00	Gravelly SAND (70% Sand, 30% Gravel) black, fine grained, moist, no odor/staining			
		GP		75	SP	3.0 Gravelly S	3.0	1		
-	1/\		4				Gravelly SAND (85% Sand, 15% Gravel) brown, fine grained, moist, no odor/staining	0.2		
	$\ \cdot\ $				SP	。O				
5						[° ()	5.0			
	1		IAB40A-4- 6			P 1 4		0.0		
	$\frac{1}{2}$						SAND with silty fines (95% Sand, 5% Silt) gray, fine grained, moist, no odor/staining			
			IAB40A-6-					0.0		
	$ $	GP	8	90	SP-			0.0		
-	1/\				SM					
	$\ \ $									
10							10.0			
							Dedicate accomplete d @ 40.0 feet			

Boring completed @ 10.0 feet

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJEC	T NUI	MBER _101	.00902	2.0000)3	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA	
DATE ST	ARTE	D 7/18/14			COM	PLETED 7/18/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diam	eter
DRILLING	G COI	NTRACTOR	Holo	cene		GROUND WATER LEVELS:	
DRILLING	G ME	THOD Dire	ct Pus	sh		AT TIME OF DRILLING 10 ft	
LOGGED	BY _	P. LeDoux			CHE	CKED BY AFTER DRILLING	
NOTES							
o DEPTH (ff) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
					6· O: (·	0.5 ASPHALT	
F -\/				GP	000	Sandy GRAVEL (55% Gravel, 45% Sand) gray, fine grained, dry, no odor/staining 2.0	
5	GP		80			FILL sand with silt matrix containing brick, concrete, and metal, weak creosote odor @ 3' bgs	
						5.5 CONCRETE	
\/					P 4 4	6.5 Silty SAND (60% Sand, 40% Silt) brown, fine grained, moist to wet, no odor/staining	
10	GP	IAB41-7-9*	80	SM		Ţ	0.0
1 /		11*				10.5 Clean SAND (100% Sand) dark gray, fine to medium grained, no odor/staining	0.2
	GP	IAB41-11- 13	95				0.0
		15					0.0
15				SP			
<u> </u>	GP		100				
20		IAB41-18- 20				20.0	0.1
=					h	boring completed @ 20.0 feet	
* = Sam GP = S	hotoion ple su oil sar	onization de ubmitted for	labora ted by	atory a using		s. Other samples collected were archived at the laboratory. ch-diameter acetate liners within the drilling rods.	

REMARKS

PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJECT NUMBER 101.00902.00003						PROJECT LOCATION 7400 8th Avenue South, Seattle, WA	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA		
DATE ST	ARTE	D 7/18/14			COM	MPLETED 7/18/14 GROUND ELEVATION HOLE SIZE 2.125-inch-dia	meter		
DRILLIN	G COI	NTRACTOR	Holo	cene		GROUND WATER LEVELS:			
DRILLIN	G ME	THOD Dire	ct Pus	sh		AT TIME OF DRILLING 7 ft			
LOGGED	BY _	P. LeDoux			CHE	CKED BY AFTER DRILLING			
NOTES									
o DEPTH (ft)	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)		
				SP	0 0	Graveny Salva (75% Sand, 25% Graven) blown, file grained, dry, no odol/staining			
F -\\ /					\$ \(\)	1.0 1.5 FILL concrete			
\ \	GP	IAB42-3-5*	60	SM		Silty SAND (85% Sand, 15% Silt) brown, fine grained, dry to moist, no odor/staining	0.0		
5									
		IAB42-5-7*				Silty SAND with gravel (50% Sand, 45% Silt, 5% Gravel) gray, fine grained, moist to wet, no odor/staining	0.0		
10	GP	IAB42-7-9	80	SM			0.0		
	GP	IAB42-13- 15	70			13.0 Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining	0.1		
SIRSB LOG ANCHOR-8TH AVE (2), GPJ GINT US, GDT 7/25/14 SER SB LOG ANCHOR-8TH AVE (2), GPJ GINT US, GDT 7/25/14 A CHAPTER SP LOG ANCHOR SP LO	GP	IAB42-18- 20	100	SP		20.0	0.0		
NA TO J	1	1		<u> </u>	100000	Boring completed @ 20.0 feet			
Ĕ 									
PID = F * = San GP = S	Photoion ple si oil sar	onization de ubmitted for	labora ted by	atory a using	analysi g 1.5-ir	sis. Other samples collected were archived at the laboratory. nch-diameter acetate liners within the drilling rods.			

REMARKS

PROJECT NAME 8th Avenue Terminals

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CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJECT NUMBER 101.00902.00003								PROJECT LOCATION 7400 8th Avenue South, Seattle, WA			
DATE	DATE STARTED 7/11/14 COMPLETE						PLETED 7/11/14	GROUND ELEVATION	HOLE SIZE	2.125-inch-diameter	r
DRILL	INC	G CON	ITRACTOR	ESN	I-NW			GROUND WATER LEVELS:			
DRILL	INC	S MET	HOD Dire	ct Pus	sh			AT TIME OF DRILLING 5 ft			
LOGGED BY P. LeDoux CHECK							CKED BY	AFTER DRILLING			
NOTE	S										
O DEPTH (ft)	INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION		PID (ppm)	ייישל) כו
	\					7	CONCRETE				
 5		GP	IAB5-3-5*	55	SP- SM		SAND with silty	fines (95% Sand, 5% Silt) brown, fine grained	d, moist, no odo	r/staining 0.0	.0
_ J							Ā				
 		GP	IAB5-5-7*	90	ML		Sandy SILT (90%	% Silt, 10% Sand) brown, wet, no odor/stainin	g	0.0	
	1						44.0				
 		GP	IAB5-13- 15	75	SM		13.0	6 Sand, 40% Silt) brown, fine grained, wet, no fines (95% Sand, 5% Silt) brown, medium gr		dor/staining 0.0	.0
		GP		75	SP- SM						
 20		OF.	IAB5-18- 20	13	SP		20.0	00% Sand) dark gray, fine to medium grained,	wet, no odor/sta	aining 0.0	.0
							Boring complete	ea @ 20.0 teet			

REMARKS

SLR SB LOG ANCHOR - 8TH AVE (2).GPJ GINT US.GDT 7/25/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Duplicate sample EB-91-10.0' was collected over the same interval as sample EB-41-10.0'.

PROJECT NAME 8th Avenue Terminals

PAGE 1 OF 1

CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJECT NUMBER 101.00902.0000					03	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA		
DATE ST	DATE STARTED 7/11/14					PLETED 7/11/14 GROUND ELEVATION HOLE SIZE 2.125-inch-diam	diameter	
DRILLING	G CON	NTRACTOR	ESN	N-NW		GROUND WATER LEVELS:		
DRILLING	G MET	THOD Dire	ct Pus	sh		AT TIME OF DRILLING 5 ft		
LOGGED	BY _	C. Lee			CHE	CKED BY AFTER DRILLING		
NOTES _								
O DEPTH (ft) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	
					4 4 4 5 7 4			
	GP	IAB6-3-5*	60	SP		Clean SAND brown, fine grained, moist, no odor/staining ▼	0.0	
h -1//		IAB6-5-7*				6.5	0.0	
- - \/				SM		7.0 Silty SAND brown, fine grained, wet, no odor/staining Clean SAND brown, fine grained, wet, no odor/staining	-	
10	GP	IAB6-7-9	80			Glean SAND blown, line gramed, wet, no odonstaining	0.0	
	GP	IAB6-13- 15	80	SP			0.0	
# NOTE OF THE PROPERTY OF THE	GP	IAB6-18- 20	100	SP		18.5 Clean SAND dark gray, fine to medium grained, wet, no odor/staining	0.0	
20						20.0 Boring completed @ 20.0 feet		
<u> </u>								
REMA PID = P * = Sam GP = So V Wate	hotoic ple su oil san	nization de ubmitted for	laborated by	atory a / using	analysi g 1.5-ir	s. Other samples collected were archived at the laboratory. ch-diameter acetate liners within the drilling rods.		

REMARKS

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CI	D	
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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT Anchor QEA, LLC							PROJECT NAME 8th	Avenue Terminals	3		
PROJECT NUMBER 101.00902.00003							PROJECT LOCATION	7400 8th Avenue	South, Seatt	tle, WA	
DATE STARTED <u>7/18/14</u> COMPLETED <u>7/18/14</u>							GROUND ELEVATION		HOLE SIZE	2.125-inch-diam	neter
DRILLING CONTRACTOR Holocene							GROUND WATER LEV	ELS:			
DRILLIN	IG ME	THOD Dire	ct Pus	sh			AT TIME OF DRII	LING			
LOGGE	D BY	P. LeDoux			CHE	CKED BY	AFTER DRILLING	3			
NOTES							_				
O DEPTH (ff)	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL D	ESCRIPTION			PID (ppm)
	GP	IAB6A-0-5	90	SP		Clean SAND brown,	fine grained, moist, no od	or/staining			0.0
						Boring completed @) 5.0 feet				

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

PROJECT NAME 8th Avenue Terminals

PAGE 1 OF 1

C	D	

CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

DATE STARTED 7/11/14 COMPLETED 7/11/14 GROUND ELEVATION HOLE SIZE 2.125-inch-di DRILLING CONTRACTOR ESN-NW GROUND WATER LEVELS: DRILLING METHOD Direct Push LOGGED BY P. LeDoux CHECKED BY AFTER DRILLING NOTES AFTER DRILLING AFTER DRILLING CHECKED BY CHECK	
DRILLING METHOD _Direct Push LOGGED BY _P. LeDoux CHECKED BY	
LOGGED BY P. LeDoux CHECKED BY AFTER DRILLING NOTES 8	
NOTES %	(mdd)
	(mdd
	(mdd
O DEPTH O INTERVAL TYPE NAME NAME NAME NAME LOG LOG LOG LOG NAME NAME NAME NAME NAME NAME NAME NAME	PID (
CONCRETE	
SAND with silty fines (95% Sand, 5% Silt) brown, fine grained, moist, no odor/staining GP GP GP GP GP GP GP GP	0.0
\ IAB7-5-7*	0.0
GP Sandy SILT (90% Silt, 10% Sand) brown, wet, no odor/staining	
	0.0
Sandy SILT (70% Silt, 30% Sand) brown, wet, no odor/staining	
15 GP 80 ML IAB7-13- 15	0.0
Clean SAND (100% Sand) gray, fine grained, wet, no odor/staining SP 17.5	
GP 100 17.5 Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining	\dashv
[]	0.0
Boring completed @ 20.0 feet	

REMARKS

SLR SB LOG ANCHOR - 8TH AVE (2).GPJ GINT US.GDT 7/25/14

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Duplicate sample EB-81-2.5' collected at interval of sample EB-47-2.5'.

 $[\]subseteq$ Water level at time of drilling.

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22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

CLIENT _	Anch	or QEA, LL	С				PROJECT NAME 8th Avenue Termi	nals	
PROJECT	NUN	/IBER <u>101</u>	.00902	2.0000)3		PROJECT LOCATION 7400 8th Ave	enue South, Seattle, WA	
DATE ST	ARTE	D 7/12/14			CON	PLETED 7/12/14	GROUND ELEVATION	HOLE SIZE 2.125-inch-dia	ameter
DRILLING	CON	ITRACTOR	ESN	I-NW			GROUND WATER LEVELS:		
DRILLING	MET	HOD Dire	ct Pus	h			TAT TIME OF DRILLING 5 ft		
LOGGED	BY _	C. Lee			CHE	CKED BY	AFTER DRILLING		
NOTES _							_		
o DEPTH (ft) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG		MATERIAL DESCRIPTION		PID (ppm)
					PAA				
\ \ \	GP	IAB8-3-5*	60	SP		4.0	rown, fine grained, moist, no odor/stainir		— 0.0
5				SM		Ţ	, , , , , , , , , , , , , , , , , , ,	,	
\ /						6.0			
		IAB8-5-7*					wet, no odor/staining		0.0
	GP	IAB8-7-9	100	ML		9.0			0.0
10	GP	IAB8-13- 15	100	SM		Sitty SAND Blown,	fine grained, wet, no odor/staining		0.0
20	GP	IAB8-18- 20	100	SP		18.0 Clean SAND dark g	ray, fine to medium grained, wet, no odo	or/staining	0.0
20]		l			<u>[. 149] 4.</u>	Boring completed @	20.0 feet		
* = Samp GP = So Duplicate	notoic ple su il san e san	nples collec	labora ted by 10.0' o	atory a using collect	g 1.Š-ii	is. Other samples collected nch-diameter acetate liners er the same interval as sam	were archived at the laboratory. within the drilling rods. ple EB-5-10.0'.		

REMARKS

PID = Photoionization detector.

* = Sample submitted for laboratory analysis. Other samples collected were archived at the laboratory.

GP = Soil samples collected by using 1.5-inch-diameter acetate liners within the drilling rods.

Duplicate sample EB-93-10.0' collected over the same interval as sample EB-5-10.0'.

 $[\]subseteq$ Water level at time of drilling.

PROJECT NAME 8th Avenue Terminals

PAGE 1 OF 1

CI	D
JL	. 1

CLIENT Anchor QEA, LLC

22118 20th Ave. SE, Suite G-202 Bothell, Washington 98021 Telephone: 425.402.8800 Fax: 425.402.8488

PROJEC [*]	T NUN	/IBER _101.	.00902	2.0000)3	PROJECT LOCATION 7400 8th Avenue South, Seattle, WA	
DATE ST	ARTE	D 7/12/14			COM	PLETED _7/12/14 GROUND ELEVATION HOLE SIZE _2.125-inch-diam	neter
DRILLING	G CON	NTRACTOR	ESN	N-NW		GROUND WATER LEVELS:	
DRILLING	3 MET	THOD Dire	ct Pus	sh		AT TIME OF DRILLING 6 ft	
LOGGED	BY	P. LeDoux			CHE	CKED BY AFTER DRILLING	
NOTES _							
O DEPTH (ft) INTERVAL	TYPE	SAMPLE	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
						CONCRETE	
F -\/					D 4 4	1.0 1.5 ASPHALT	-
5	GP	IAB9-3-5*	70	SP- SM		SAND with silty fines (95% Sand, 5% Silt) brown, fine grained, moist, no odor/staining	0.0
						Silty SAND (90% Sand, 10% Silt) dark gray, medium grained, no odor/staining	
F -\/		IAB9-5-7*		SM		Ţ	0.0
L]\/						7.0	
1	GP		70	ML		Sandy SILT (90% Silt, 10% Sand) brown, wet, no odor/staining	
10		IAB9-7-9				Sandy SILT (60% Silt, 40% Sand) gray, wet, no odor/staining	0.0
	GP	IAB9-13- 15	100	ML		14.0 Sandy SILT (95% Silt, 5% Sand) dark gray, wet, no odor/staining	- 0.0
15				ML			
	GP		100			Clean SAND (100% Sand) dark gray, fine to medium grained, wet, no odor/staining	
	٥.			SP			
		IAB9-18-					0.0
20		20				20.0	3.0
20 / 1				<u> </u>	<u> Paradia</u>	20.0 Boring completed @ 20.0 feet	
-							
* = Sam GP = So	hotoic ple su oil san	onization de ubmitted for	labora ted by	atory a using	analysi g 1.5-ir	s. Other samples collected were archived at the laboratory. ch-diameter acetate liners within the drilling rods.	

REMARKS



SAMPLING SUMMARY TABLES

		Coord	inates ¹		Sampling Interval	
Station ID	RI Phase	Northing	Easting	Sample ID	ft bgs ²	Chemical Testing ³
			1	EB-05-1.0	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs
				EB-05-5.0	4.5 - 5.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs
EB-05	Phase 1	199694.95	1273220.99	EB-05-10.0	9 - 11	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs
				EB-93-10.0	9 - 11	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs
			l	EB-05-12.5	12 - 13	PAHs, SVOCs
			+	EB-14-1.0	0.5 - 1.5	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
			l -			
EB-14	Phase 1	199463.99	1273127.18	EB-14-5.0	4.5 - 5.5	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
			l ⊢	EB-14-10.0	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
				EB-14-12.5	12 - 13	PCBs, PAHs
			1 -	EB-16-2.5'	2 - 3	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
EB-16	Phase 1	199587.70	1272982.79	EB-16-5.0'	4.5 - 5.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
			l	EB-16-10.0'	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
				EB-16-15.0'	14.5 - 15.5	PAHs
			l L	EB-17-1.0	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
EB-17	Phase 1	199475.43	1272983.69	EB-17-5.75	5.75 - 6.25	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
LD-1/	i ilase 1	133473.43	1272303.03	EB-17-10.0	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
			Ι Γ	EB-17-12.5	12 - 13	PCBs, SVOCs
				EB-24-1.0	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
ED 3.	5,	400000		EB-24-5.0	4.5 - 5.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs
EB-24	Phase 1	199223.00	1272991.18	EB-24-10.0	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
				EB-24-12.5	12 - 13	PAHs, SVOCs
			 	EB-28-1.0	0.5 - 1.5	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
			l	EB-28-5.0	4.5 - 5.5	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
EB-28	Phase 1	199135.54	1273184.12	EB-28-7.5	7 - 8	D/F
			l -			'
			++	EB-28-10.0	9.5 - 10.5	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
			l -	EB-32-1.0	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs
				EB-32-5.0	4.5 - 5.5	
EB-32	Phase 1	198961.09	1272718.25			Chromium VI, Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VC
			l L	EB-32-10.0	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs
				EB-32-12.5	12 - 13	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs
			l L	EB-38-1.0	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
EB-38	Dhaca 1	100157.20	1272918.37	EB-38-5.0	4.5 - 5.5	Chromium VI, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
ED-30	Phase 1	199157.29	12/2910.5/	EB-38-10.0	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
			Ι Γ	EB-38-12.5	12 - 13	Metals, PAHs
				EB-40-1.0	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
EB-40	Phase 1	198891.80	1272681.94	EB-40-5.0	4.5 - 5.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
			l	EB-40-10.0	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
			1	EB-41-1.0	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
			l	EB-41-5.0	4.5 - 5.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
			l	EB-41-10.0	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
EB-41	Phase 1	198889.38	1272799.07	EB-91-10.0	9 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
			l -		_	
				EB-41-15.0	14.5 - 15.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
			 	EB-41-20.0	19 - 20	PAHs
			l ⊢	EB-45-1.0	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
			1 -	EB-45-5.0	4.5 - 5.5	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
EB-45	Phase 1	199020.68	1273154.81	EB-45-7.5	5 - 7	D/F
			l L	EB-45-10.0	9.5 - 10.5	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
				EB-45-12.5	12 - 13	Metals, PAHs, SVOCs
				EB-46-1.0	0.5 - 1.5	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
ED 46	Dhaca 1	100076 26	1272046 97	EB-46-2.5	2 - 3	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs
EB-46	Phase 1	198876.36	1272946.87	EB-46-8.0	8 - 9	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
			1	EB-46-10.0	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
				EB-47-1.0	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
EB-47	Phase 1	198838.83	1272866.86	EB-47-5.0	4.5 - 5.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
		1 1 1 2 2 3 3 3 3		EB-47-10.0	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
			+	EB-50-1.0	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
ED EV	Phase 1	100702 72	1272051 10			
EB-50	riidse 1	198792.72	1272951.10	EB-50-5.0	4.5 - 5.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
			 	EB-50-7.5	7 - 8	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
				EB-51-1.0	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
EB-51	Phase 1	198725.06	1272836.56	EB-51-5.0	4.5 - 5.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
				EB-51-7.5	7.5 - 8.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs
			1	EB-51-10.0	9 - 10	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs

		Coord	inates ¹		Sampling Interval		
Station ID	RI Phase	Northing	Easting	Sample ID	ft bgs ²	Chemical Testing ³	
				EMW-1S-2.5	2 - 3	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
EMW-1S	Phase 1	199762.87	1272940.19	EMW-1S-5.0	4.5 - 5.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
EININA-12	Pilase 1	199762.87	12/2940.19	EMW-1S-10.0	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
			Ι Γ	EMW-1S-15.0	14.5 - 15.5	PAHs	
				EMW-2S-2.5	2 - 3	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
EMW-2S	Phase 1	199571.31	1273329.79	EMW-2S-5.0	4 - 5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
			I [EMW-2S-10.0	9.5 - 11	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
				EMW-3S-1.0	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
				EMW-3S-5.0	4.5 - 5.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
				EMW-3S-7.5	7 - 8	D/F	
EMW-3S	Phase 1	199487.42	1273364.83	EMW-3S-10.0	9.5 - 10.5	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
				EMW-3S-12.5	12.5 - 13	D/F	
			l	EMW-3S-15.0	14.5 - 15.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
				EMW-89S-5.0	14.5 - 15.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
			1	EMW-4D-2.5'	2 - 3	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
				EMW-4D-5'	4.5 - 5.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
MW-4D	Phase 1	199352.33	1273365.96	EMW-4D-7.5'	7 - 8	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
v.vv-∓D	i nase 1	199992.33	12/3303.30	EMW-4D-7.5'	12 - 13	PAHs	
				EMW-4D-12.5	19.5 - 20.5	PAHs	
			 				
				EMW-5S-1.0	0.5 - 1.5	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
				EMW-5S-2.5	2 - 3	D/F	
EMW-5S	Phase 1	199380.03	1273148.38	EMW-5S-6.5	6 - 7	D/F	
				EMW-5S-7.50	7 - 8	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
				EMW-5S-10.0	9.5 - 10.5	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
				EMW-5S-12.5	12 - 13	PCBs, PAHs	
				EMW-6S-1.0	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
			l	EMW-6S-2.5	2 - 3	D/F	
EMW-6S	Phase 1	199487.50	1272871.49	EMW-6S-5.0	4.5 - 5.5	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
				EMW-6S-7.5	7 - 8	D/F	
				EMW-6S-10.0	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
				EMW-6S-12.5	12 - 13	PAHs, SVOCs	
					EMW-7S-1.0	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
EMW-7S	Phase 1	199379.09	1272655.29	EMW-7S-5.0	4.5 - 5.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
LIVIVV 75	i ilase i	133373.03	1272033.23	EMW-7S-10.0	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
				EMW-7S-12.5	12 - 13	Metals, PAHs	
				EMW-8S-1.0	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
EMW-8S	Phase 1	199223.49	1272897.26	EMW-8S-5.0	4.5 - 5.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
EIVIVV-03	Pilase 1	199225.49	12/209/.20	EMW-8S-10.0	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
			Ī	EMW-8S-12.5	12 - 13	PAHs	
				EMW-9S-1.0	0.5 - 1.5	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
EN 4047 O.C	DI 4	400446.04	1272244 62	EMW-9S-5.0	4.5 - 5.5	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
EMW-9S	Phase 1	199146.84	1273044.63	EMW-9S-10.0	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
				EMW-9S-12.5	12 - 13	PAHs, SVOCs	
				EMW-10D-1.0'	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
				EMW-10D-5.0'	4.5 - 5.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
				EMW-10S-5.0'	4.5 - 5.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
MW-10D	Phase 1	199094.38	1272714.09	EMW-10D-10.0'	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
202		20000		EMW-10D-15.0'	14.5 - 15.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
				EMW-10D-35.0'	34.5 - 35.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
			l	EMW-10D-50.0'	49 - 50		
			 	EMW-11S-1.0	0.5 - 1.5	PAHs, TPH-Dx Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
				EMW-115-1.0 EMW-11S-5.0	4.5 - 5.5		
MW-11S	Phase 1	199007.93	1272657.71			Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
				EMW-11S-10.0	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs	
			 	EMW-11S-12.5	12 - 13	PAHs, SVOCs	
				EMW-12S-1.0	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs	
MW-12S	Phase 1	198751.82	1272670.76	EMW-12S-5.0	4.5 - 5.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs	
				EMW-12S-10.0	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs	
				EMW-12S-15.0	14.5 - 15.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs	
				EMW-13S-1.0	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs	
MW-13S	Phase 1	198667.92	1272788.91	EMW-13S-5.0	4.5 - 5.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs	
				EMW-13S-7.5	7 - 8	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs	
			1	EMW-13S-12.5	12 - 13	Metals, PCBs, PAHs, SVOCs, TPH-Dx	

		Coord	inates ¹		Sampling Interval	
Station ID	RI Phase	Northing	Easting	Sample ID	ft bgs ²	Chemical Testing ³
				EMW-14D-1.0'	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
				EMW-14D-5.0'	4.5 - 5.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
				EMW-14D-10.0'	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
EMW-14D	Phase 1	198695.81	1272872.68	EMW-14D-15.0'	14.5 - 15.5	Metals, PAHs, SVOCs
				EMW-14D-25.0'	24.5 - 25.5	PAHs
				EMW-14D-35.0'	34.5 - 35.5	PAHs
				EMW-14D-50.0'	49 - 50	PAHs
				EMW-15D-1.0'	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
				EMW-15D-5.0'	4.5 - 5.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
EMW-15D	Phase 1	198939.73	 1273164.77	EMW-15D-10.0'	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
FINIAN-TOD	riiase 1	190939.73	12/3104.//		†	
				EMW-15D-15.0'	14.5 - 15.5	Metals, PAHs
				EMW-15D-25.0'	25 - 26	PAHS
				EMW-16D-1.0'	0.5 - 1.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs
EMW-16D	Phase 1	198688.30	1272699.81	EMW-16D-5.0'	4.5 - 5.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs
				EMW-16D-10.0'	9.5 - 10.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, VOCs
				EMW-16D-15.0'	14.5 - 15.5	PAHs
IAB-01	Interim	199700.60	1273221.91	IAB-01-3-5	3 - 5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
., .5 01	Action	100,00.00	12,3221.31	IAB-01-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAB-02	Interim	199683.31	1273229.63	IAB-02-3-5	3 - 5	Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, VOCs
IAD-UZ	Action	199063.31	12/3229.03	IAB-02-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
	lanka uisaa			IAB-03-3-5	3 - 5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAB-03	Interim	199665.66	1273179.56	IAB-03-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
	Action			IAB-03-7-9	7 - 9	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
				IAB-04-3-5	3 - 5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAB-04	Interim	199665.86	1273203.80	IAB-04-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
	Action			IAB-04-7-9	7 - 9	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
	Interim			IAB-05-3-5	3 - 5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAB-05	Action	199643.03	1273218.91	IAB-05-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
					3 - 5	
IAB-06	Interim	199657.61	1273253.05	IAB-06-3-5	+	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
	Action			IAB-06-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAB-07	Interim	199610.87	1273217.56	IAB-07-3-5	3 - 5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
	Action			IAB-07-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAB-08	Interim	199613.90	1273249.73	IAB-08-3-5	3 - 5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
	Action			IAB-08-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAB-09	Interim	199563.41	1273219.11	IAB-09-3-5	3 - 5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
	Action			IAB-09-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAB-10	Interim	199544.90	1273238.90	IAB-10-3-5	3 - 5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAD-10	Action	133344.30	1273236.30	IAB-10-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAB-11	Interim	199523.49	1272200 46	IAB-11-3-5	3 - 5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAD-11	Action	199323.49	1273208.46	IAB-11-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAD 42	Interim	400540 44	4272220 64	IAB-12-3-5	3 - 5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAB-12	Action	199519.41	1273230.61	IAB-12-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
145.45	Interim	400475 :-	4272225 55	IAB-13-3-5	3 - 5	D/F, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, VOCs
IAB-13	Action	199472.48	1273205.00	IAB-13-5-7	5 - 7	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
	Interim			IAB-14-3-5	3 - 5	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAB-14	Action	199436.24	1273191.95	IAB-14-5-7	5 - 7	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
	Interim			IAB-15-7-9	7 - 9	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAB-15	Action	199382.59	1273136.56	IAB-15-7-9	9 - 11	
	ACTION		 		-	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAD 16	Interim	100200 20	1272162.00	IAB-16-3-5	3 - 5	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAB-16	Action	199389.36	1273163.86	IAB-16-5-7	5 - 7	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
				IAB-16-7-9	7 - 9	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAB-17	Interim	199346.17	1273133.38	IAB-17-3-5	3 - 5	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
- = -	Action			IAB-17-5-7	5 - 7	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAB-18	Interim	199292.04	1273102.69	IAB-18-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
", " 10	Action	133232.04	12,3102.03	IAB-18-7-9	7 - 9	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAB-19	Interim	199259.83	1273069.95	IAB-19-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IMD-13	Action	199239.83	12/3009.93	IAB-19-7-9	7 - 9	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs

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		Coord	inates ¹		Sampling Interva			
Station ID	RI Phase	Northing	Easting	Sample ID	ft bgs ²	Chemical Testing ³		
	Interim		l [IAB-20-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAB-20	Action	199252.54	1273069.81	IAB-20-7-9	7 - 9	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
	Action			IAB-20-9-11	9 - 11	Metals, PCBs, PAHs		
IAB-21	Interim	199220.43	1273032.13	IAB-21-5-7	5 - 7	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAD-ZI	Action	199220.43	12/3032.13	IAB-21-7-9	7 - 9	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
	Intorina			IAB-22-5-7	5 - 7	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAB-22	Interim Action	199209.06	1273054.14	IAB-22-7-9	7 - 9	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
	ACTION		Ι Γ	IAB-22-9-11	9 - 11	PAHs		
IAD 22	Interim	100104.05	1272000 76	IAB-23-5-7	5 - 7	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAB-23	Action	199184.95	1272998.76	IAB-23-7-9	7 - 9	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAD 24	Interim	100176 01	4272022.07	IAB-24-5-7	5 - 7	D/F, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, VOCs		
IAB-24	Action	199176.81	1273023.87	IAB-24-7-9	7 - 9	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
				IAB-25-5-7	5 - 7	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAB-25	Interim	199155.93	1272971.59	IAB-25-7-9	7 - 9	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
	Action			IAB-25-9-11	9 - 11	PCBs, PAHs		
	Interim			IAB-26-5-7	5 - 7	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAB-26	Action	199137.22	1272995.93	IAB-26-7-9	7 - 9	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
				IAB-27-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAB-27	Interim	199116.44	1272938.70	IAB-27-7-9	7 - 9	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
	Action		l	IAB-101-7-9	7 - 9	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
				IAB-28-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAB-28	Interim	199093.94	199093.94	199093.94	1272970.39	IAB-28-7-9	7 - 9	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
	Action			IAB-102-7-9	7 - 9	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
				IAB-29-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAB-29	Interim	199073.20	1272910.69	IAB-29-7-9	7 - 9	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAD 23	Action		1272310:03	IAB-103-7-9	7 - 9	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
				IAB-30-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAB-30	Interim	199045.50	1272937.70	IAB-30-7-9	7 - 9	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAD-30	Action	199045.50	12/2937.70	IAB-30-7-9	7 - 9			
						Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAD 21	Interim	100027.11	1272800 22	IAB-31-7-9	7-9			
IAB-31	Action	199037.11	1272890.23	IAB-31-9-11	9 - 11	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
				IAB-105-9-11	9 - 11	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAB-32	Interim	199007.10	1272912.30	IAB-32-7-9	7 - 9	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
	Action			IAB-32-9-11	9 - 11	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
	Interim	100000 55	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	IAB-33-7-9	7 - 9	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAB-33	Action	199008.56	1272857.56	IAB-33-9-11	9 - 11	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
				IAB-106-9-11	9 - 11	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
	Interim			IAB-34-7-9	7 - 9	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAB-34	Action	198962.30	1272877.00	IAB-34-9-11	9 - 11	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
				IAB-107-7-9	7 - 9	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAB-35	Interim	198943.39	1272831.59	IAB-35-7-9	7 - 9	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
	Action			IAB-35-9-11	9 - 11	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
			L	IAB-36-16-18	16 - 18	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAB-36	Interim	198920.89	1272863.27	IAB-36-18-20	18 - 20	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
5 50	Action	133320.03	12, 2003.2,	IAB-36-20-22	20 - 22	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
				IAB-36-22-24	22 - 24	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
			<u> </u>	IAB-37-16-18	16 - 18	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
	Intorim		l [IAB-108-16-18	16 - 18	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAB-37	Interim	198910.23	1272848.24	IAB-37-18-20	18 - 20	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
	Action		j t	IAB-37-20-22	20 - 22	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
				IAB-37-22-24	22 - 24	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
				IAB-38-7-9	7 - 9	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
IAB-38	Interim	198896.46	1272805.98	IAB-38-9-11	9 - 11	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		
	Action			IAB-109-9-11	9 - 11	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs		

		Coord	inates ¹		Sampling Interval	
Station ID	RI Phase	Northing	Easting	Sample ID	ft bgs ²	Chemical Testing ³
otation ib	KI I Huse	, iteraming	Lusting	IAB-39-7-9	7 - 9	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAB-39	Interim	198889.22	1272825.03	IAB-39-9-11	9 - 11	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
	Action			IAB-39-11-13	11 - 13	Metals, PCBs, PAHs, TPH-Dx
	Interim			IAB-40-7-9	7 - 9	Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, VOCs
IAB-40	Action	198864.45	1272763.35	IAB-40-9-11	9 - 11	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
				IAB-41-7-9	7-9	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAB-41	Interim	198863.78	1272797.93	IAB-41-9-11	9 - 11	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
	Action		==/=/0/.50	IAB-41-11-13	11 - 13	Metals, PAHs, TPH-Dx
	Interim			IAB-42-3-5	3 - 5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
IAB-42	Action	199731.03	1273229.76	IAB-42-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, VOCs
				DMW6A-2-3	2 - 3	D/F, Metals, PAHs, SVOCs, TPH-Dx, TS, VOCs
				DMW-6A-3-3.5	3 - 3.5	D/F, PAHs, SVOCs, TS, VOCs
				DMW6A-6.5-8	6.5 - 8	Metals, PAHs, SVOCs, TPH-Dx, TS, VOCs
DMW-6A	Phase 2	198906.29	1272867.60	DMW6A-8-10	8 - 10	Metals, PAHs, SVOCs, TPH-Dx, TS, VOCs
			==/===//	DMW6A-11-13	11 - 13	Metals, PAHs, SVOCs, TPH-Dx, TS, VOCs
				DMW6A-15-17	15 - 17	Metals, PAHs, SVOCs, TPH-Dx, TS, VOCs
				DMW-6A-18-20	18 - 20	PAHs, SVOCs, TS, VOCs
				EB-03-3-5	3 - 5	Metals, PCBs, TS
				EB-03-6-8	6-8	Metals, TS
EB-03	Phase 2	199620.90	1273011.43	EB-03-8-10	8 - 10	Metals, TS
				EB-03-11-13	11 - 13	Metals, TS
				EB-06-2-4	2 - 4	Metals, PCBs, TS
				EB-06-2-4-FD	2 - 4	Metals, TS
				EB-06-6-8	6 - 8	Metals, PCBs, TS
				EB-06-6-8-FD	6-8	TS
EB-06	Phase 2	199660.33	1273355.79	EB-06-8-10	8 - 10	Metals, PCBs, TS
				EB-06-8-10-FD	8 - 10	TS
				EB-06-12-14	12 - 14	Metals, PCBs, TS
				EB-06-15-17	15 - 17	PCBs, TS
				EB-07-2-4	2 - 4	D/F, Metals, PCBs, PAHs, TPH-Dx, TS
				EB-07-5-7	5 - 7	Metals, PCBs, PAHs, TPH-Dx, TS
EB-07	Phase 2	199564.94	1273372.89	EB-07-8-10	8 - 10	Metals, PCBs, PAHs, TPH-Dx, TS
22 07			==7007=100	EB-07-11-13	11 - 13	Metals, PCBs, PAHs, TPH-Dx, TS
				EB-07-15.5-17.5	15.5 - 17.5	PCBs, TS
				EB-11-3-5	3 - 5	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, TS, VOCs
EB-11	Phase 2	199261.11	1273191.94	EB-11-5-7	5 - 7	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, TS, VOCs
				EB-11-8-10	8 - 10	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, TS, VOCs
				EB-12-2-4	2 - 4	Metals, PAHs, SVOCs, TS, VOCs
				EB-12-5-7	5 - 7	Metals, PAHs, SVOCs, TPH-Dx, TS, VOCs
EB-12	Phase 2	199288.56	1273306.84	EB-12-8-10	8 - 10	D/F, Metals, PAHs, SVOCs, TS, VOCs
				EB-12-15-17	15 - 17	Metals, PAHs, SVOCs, TS, VOCs
				EB-12-18-20	18 - 20	PAHs, SVOCs, TS, VOCs
				EB-13-2-4	2 - 4	D/F, Metals, PAHs, SVOCs, TS, VOCs
				EB-13-8-10	8 - 10	D/F, Metals, PAHs, SVOCs, TS, VOCs
EB-13	Phase 2	199482.17	1273292.58	EB-13-11-13	11 - 13	D/F, Metals, PAHs, SVOCs, TS, VOCs
			5252.55	EB-13-13-15	13 - 15	Metals, PAHs, TS
				EB-13-16-18	16 - 18	D/F, PAHs, SVOCs, TS, VOCs
			 	EB-19-1.5-4	1.5 - 4	D/F, Metals, TPH-Dx, TS
EB-19	Phase 2	199463.67	1272741.86	EB-19-6-8	6-8	D/F, Metals, TPH-Dx, TS
				EB-19-8-10	8 - 10	D/F, Metals, TPH-Dx, TS
				EB-20-2-4	2 - 4	Metals, PCBs, PAHs, TPH-Dx, TS
				EB-20-2-4 EB-20-5-7	5 - 7	Metals, PCBs, PAHs, TPH-Dx, TS
				EB-20-3-7	8 - 10	Metals, PCBs, PAHs, TPH-Dx, TS
EB-20	Phase 2	199326.28	1272668.37		8 - 10 11 - 13	Metals, PCBs, PAHs, TPH-Dx, TS Metals, PCBs, PAHs, TPH-Dx, TS
				EB-20-11-13	15 - 17	Metals, PCBs, PAHs, TPH-Dx, TS Metals, PCBs, PAHs, TPH-Dx, TS
				EB-20-15-17		
				EB-20-18-20	18 - 20	PCBs, PAHs, TS

199378 199358 199291 199150	Coordinates ¹ orthing Easting 9378.53 1272811.19 9358.84 1272955.91 9291.55 1273088.98 9150.96 1273060.79 9059.53 1273203.96	Sample ID EB-22-2-4 EB-22-6-8 EB-22-8-10 EB-22-11-13 EB-22-15-17 EB-23-3-5 EB-23-5-7 EB-23-8-10 EB-25-2-4 EB-25-5.5-7.5 EB-25-10.5-12.5 EB-25-13-15 EB-27-2.5-4.5 EB-27-5-7 EB-27-8-10 EB-30-2-4 EB-30-6-8	Sampling Interval ft bgs ² 2 - 4 6 - 8 8 - 10 11 - 13 15 - 17 3 - 5 5 - 7 8 - 10 2 - 4 5 - 7 10.5 - 12.5 13 - 15 15 - 17 2.5 - 4.5 5 - 7 8 - 10	Chemical Testing ³ D/F, Metals, PAHs, TS, VOCs D/F, Metals, PAHs, TS, VOCs D/F, Metals, PAHs, TS, VOCs D/F, TS D/F, TS D/F, Metals, TS Metals, TS Metals, TS Metals, TS Metals, TS Metals, PCBs, PAHs, SVOCs, TS, VOCs D/F, TS
199378 199358 199291 199150	9378.53 1272811.19 9358.84 1272955.91 9291.55 1273088.98 9150.96 1273060.79	EB-22-2-4 EB-22-6-8 EB-22-8-10 EB-22-11-13 EB-22-15-17 EB-23-3-5 EB-23-5-7 EB-23-8-10 EB-25-2-4 EB-25-5.5-7.5 EB-25-10.5-12.5 EB-25-13-15 EB-27-2.5-4.5 EB-27-2.5-4.5 EB-27-8-10 EB-30-2-4	2 - 4 6 - 8 8 - 10 11 - 13 15 - 17 3 - 5 5 - 7 8 - 10 2 - 4 5 - 7 10.5 - 12.5 13 - 15 15 - 17 2.5 - 4.5 5 - 7	D/F, Metals, PAHs, TS, VOCs D/F, Metals, PAHs, TS, VOCs D/F, Metals, PAHs, TS, VOCs D/F, TS D/F, TS D/F, Metals, TS
199358 199291 199150	9358.84 1272955.91 9291.55 1273088.98 9150.96 1273060.79	EB-22-6-8 EB-22-8-10 EB-22-11-13 EB-22-15-17 EB-23-3-5 EB-23-5-7 EB-23-8-10 EB-25-5-7.5 EB-25-10.5-12.5 EB-25-13-15 EB-25-15-17 EB-27-2.5-4.5 EB-27-8-10 EB-30-2-4	6 - 8 8 - 10 11 - 13 15 - 17 3 - 5 5 - 7 8 - 10 2 - 4 5 - 7 10.5 - 12.5 13 - 15 15 - 17 2.5 - 4.5 5 - 7	D/F, Metals, PAHs, TS, VOCs D/F, Metals, PAHs, TS, VOCs D/F, TS D/F, TS D/F, Metals, TS
199358 199291 199150	9358.84 1272955.91 9291.55 1273088.98 9150.96 1273060.79	EB-22-8-10 EB-22-11-13 EB-22-15-17 EB-23-3-5 EB-23-5-7 EB-23-8-10 EB-25-2-4 EB-25-5.5-7.5 EB-25-10.5-12.5 EB-25-13-15 EB-25-15-17 EB-27-2.5-4.5 EB-27-5-7 EB-27-8-10 EB-30-2-4	8-10 11-13 15-17 3-5 5-7 8-10 2-4 5-7 10.5-12.5 13-15 15-17 2.5-4.5 5-7	D/F, Metals, PAHs, TS, VOCs D/F, TS D/F, TS D/F, Metals, TS
199358 199291 199150	9358.84 1272955.91 9291.55 1273088.98 9150.96 1273060.79	EB-22-11-13 EB-22-15-17 EB-23-3-5 EB-23-5-7 EB-23-8-10 EB-25-2-4 EB-25-5.5-7.5 EB-25-10.5-12.5 EB-25-13-15 EB-25-15-17 EB-27-2.5-4.5 EB-27-8-10 EB-30-2-4	11 - 13 15 - 17 3 - 5 5 - 7 8 - 10 2 - 4 5 - 7 10.5 - 12.5 13 - 15 15 - 17 2.5 - 4.5 5 - 7	D/F, TS D/F, TS D/F, Metals, TS
199291	9291.55 1273088.98 9150.96 1273060.79	EB-22-15-17 EB-23-3-5 EB-23-5-7 EB-23-8-10 EB-25-2-4 EB-25-5.5-7.5 EB-25-10.5-12.5 EB-25-13-15 EB-25-15-17 EB-27-2.5-4.5 EB-27-8-10 EB-30-2-4	15 - 17 3 - 5 5 - 7 8 - 10 2 - 4 5 - 7 10.5 - 12.5 13 - 15 15 - 17 2.5 - 4.5 5 - 7	D/F, TS D/F, Metals, TS
199291	9291.55 1273088.98 9150.96 1273060.79	EB-23-3-5 EB-23-5-7 EB-23-8-10 EB-25-2-4 EB-25-5.5-7.5 EB-25-10.5-12.5 EB-25-13-15 EB-25-15-17 EB-27-2.5-4.5 EB-27-5-7 EB-27-8-10 EB-30-2-4	3 - 5 5 - 7 8 - 10 2 - 4 5 - 7 10.5 - 12.5 13 - 15 15 - 17 2.5 - 4.5 5 - 7	D/F, Metals, TS Metals, TS Metals, TS Metals, TS Metals, TS Metals, TS
199291	9291.55 1273088.98 9150.96 1273060.79	EB-23-5-7 EB-23-8-10 EB-25-2-4 EB-25-5.5-7.5 EB-25-10.5-12.5 EB-25-13-15 EB-25-15-17 EB-27-2.5-4.5 EB-27-8-10 EB-30-2-4	5 - 7 8 - 10 2 - 4 5 - 7 10.5 - 12.5 13 - 15 15 - 17 2.5 - 4.5 5 - 7	D/F, Metals, TS
199291	9291.55 1273088.98 9150.96 1273060.79	EB-23-8-10 EB-25-2-4 EB-25-5.5-7.5 EB-25-10.5-12.5 EB-25-13-15 EB-25-15-17 EB-27-2.5-4.5 EB-27-5-7 EB-27-8-10 EB-30-2-4	8 - 10 2 - 4 5 - 7 10.5 - 12.5 13 - 15 15 - 17 2.5 - 4.5 5 - 7	D/F, Metals, TS Metals, TS Metals, TS Metals, TS Metals, TS
199150	9150.96 1273060.79	EB-25-2-4 EB-25-5.5-7.5 EB-25-10.5-12.5 EB-25-13-15 EB-25-15-17 EB-27-2.5-4.5 EB-27-5-7 EB-27-8-10 EB-30-2-4	2 - 4 5 - 7 10.5 - 12.5 13 - 15 15 - 17 2.5 - 4.5 5 - 7	D/F, Metals, TS D/F, Metals, TS D/F, Metals, TS Metals, TS Metals, TS Metals, TS Metals, TS Metals, TS
199150	9150.96 1273060.79	EB-25-5.5-7.5 EB-25-10.5-12.5 EB-25-13-15 EB-25-15-17 EB-27-2.5-4.5 EB-27-5-7 EB-27-8-10 EB-30-2-4	5 - 7 10.5 - 12.5 13 - 15 15 - 17 2.5 - 4.5 5 - 7	D/F, Metals, TS D/F, Metals, TS Metals, TS Metals, TS Metals, TS Metals, PCBs, PAHs, SVOCs, TS, VOCs
199150	9150.96 1273060.79	EB-25-10.5-12.5 EB-25-13-15 EB-25-15-17 EB-27-2.5-4.5 EB-27-5-7 EB-27-8-10 EB-30-2-4	10.5 - 12.5 13 - 15 15 - 17 2.5 - 4.5 5 - 7	D/F, Metals, TS Metals, TS Metals, TS Metals, TS Metals, PCBs, PAHs, SVOCs, TS, VOCs
199150	9150.96 1273060.79	EB-25-13-15 EB-25-15-17 EB-27-2.5-4.5 EB-27-5-7 EB-27-8-10 EB-30-2-4	13 - 15 15 - 17 2.5 - 4.5 5 - 7	Metals, TS Metals, TS Metals, PCBs, PAHs, SVOCs, TS, VOCs
199059		EB-25-15-17 EB-27-2.5-4.5 EB-27-5-7 EB-27-8-10 EB-30-2-4	15 - 17 2.5 - 4.5 5 - 7	Metals, TS Metals, PCBs, PAHs, SVOCs, TS, VOCs
199059		EB-27-2.5-4.5 EB-27-5-7 EB-27-8-10 EB-30-2-4	2.5 - 4.5 5 - 7	Metals, PCBs, PAHs, SVOCs, TS, VOCs
199059		EB-27-5-7 EB-27-8-10 EB-30-2-4	5 - 7	
199059		EB-27-8-10 EB-30-2-4		D/F, TS
	9059.53 1273203.96	EB-30-2-4	8 - 10	
	9059.53 1273203.96			D/F, TS
	9059.53 1273203.96	ED 30 E 0	2 - 4	D/F, Metals, TS
	9059.53 1273203.96	ED-3U-0-8	6 - 8	D/F, Metals, TS
199187		EB-30-8-10	8 - 10	Metals, TS
199187	l i	EB-30-12-14	12 - 14	Metals, TS
199187		EB-30-16.5-18.5	16.5 - 18.5	D/F, Metals, TS
199187		EB-31-2-4	2 - 4	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, TS, VOCs
199187		EB-31-5-7	5 - 7	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, TS, VOCs
	9187.55 1273274.78	EB-31-8-10	8 - 10	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, TS, VOCs
1		EB-31-12.5-14.5	12.5 - 14.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, TS, VOCs
		EB-31-18-20	18 - 20	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, TS, VOCs
		EB-34-3.5-5	3.5 - 5	D/F, Metals, PAHs, SVOCs, TS, VOCs
		EB-34-5-7	5 - 7	Metals, PAHs, SVOCs, TS, VOCs
		EB-34-8-10	8 - 10	Metals, PAHs, SVOCs, TPH-Dx, TS, VOCs
199180	9180.89 1272721.27	EB-34-11-13	11 - 13	Metals, PAHs, SVOCs, TPH-Dx, TS, VOCs
		EB-84-11-13	11 - 13	Metals, PAHs, SVOCs, TS, VOCs
		EB-34-15-17	15 - 17	Metals, PAHs, SVOCs, TPH-Dx, TS, VOCs
		EB-34-18.5-20	18.5 - 20	Metals, PCBs, PAHs, TS
		EB-35-2-4	2 - 4	D/F, Metals, PCBs, PAHs, TS
		EB-35-5-7	5 - 7	D/F, TS
40047	0474 36 4373007 04	EB-85-5-7	5 - 7	D/F, TS
199174	9174.26 1272887.84	EB-35-8.5-10	8.5 - 10	D/F, Metals, PCBs, PAHs, TS
		EB-35-10-12	10 - 12	Metals, PCBs, PAHs, TS
		EB-35-15-17	15 - 17	Metals, PCBs, PAHs, TS
10010	0400 55 4070766 04	EB-36-11-13	11 - 13	EPH, PCBs, PAHs, TPH-Dx, TS, VOCs, VPH
199133	9133.55 1272766.81	EB-36-15.5-17.5	15.5 - 17.5	EPH, PCBs, PAHs, TPH-Dx, TS, VOCs, VPH
		EB-42-3-5	3 - 5	D/F, Metals, PAHs, TPH-Dx, TS
			5 - 7	PAHs, TPH-Dx, TS
198999	8999.75 1272777.76			PAHs, TPH-Dx, TS
			+	PAHs, TPH-Dx, TS
				PAHs, TPH-Dx, TS
				Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, TS, VOCs
198992	8992.12 1273041.57			Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, TS, VOCs
			+	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TPH-Gx, TS, VOCs
				PCBs, PAHs, TS
				PCBs, PAHs, TS
				PAHs, TS
				PCBs, PAHs, TS
	8804.78 1272676.04			PCBs, PAHs, TS
198804				PAHs, TS
198804				PCBs, TS
198804	ı i		1	PCBs, TS
	19	198992.12 1273041.57	198999.75	198999.75

EB-53 F	Phase 2	198893.20 199532.63	Easting 1273035.68	Sample ID EB-53-2-4 EB-53-5-7 EB-53-8-10 EB-53-15-17 EB-103-15-17 EB-55-3-5	Sampling Interval ft bgs ² 2 - 4 5 - 7 8 - 10 15 - 17	Chemical Testing ³ D/F, PCBs, PAHs, SVOCs, TS, VOCs D/F, PCBs, PAHs, SVOCs, TS, VOCs D/F, PCBs, PAHs, SVOCs, TS, VOCs
EB-53 F	Phase 2	198893.20	1273035.68	EB-53-2-4 EB-53-5-7 EB-53-8-10 EB-53-15-17 EB-103-15-17	2 - 4 5 - 7 8 - 10 15 - 17	D/F, PCBs, PAHs, SVOCs, TS, VOCs D/F, PCBs, PAHs, SVOCs, TS, VOCs D/F, PCBs, PAHs, SVOCs, TS, VOCs
EB-55 F				EB-53-5-7 EB-53-8-10 EB-53-15-17 EB-103-15-17	5 - 7 8 - 10 15 - 17	D/F, PCBs, PAHs, SVOCs, TS, VOCs D/F, PCBs, PAHs, SVOCs, TS, VOCs
EB-55 F				EB-53-8-10 EB-53-15-17 EB-103-15-17	8 - 10 15 - 17	D/F, PCBs, PAHs, SVOCs, TS, VOCs
EB-55 F				EB-53-15-17 EB-103-15-17	15 - 17	
	Phase 2	199532.63	1272840.24	EB-103-15-17		IMOtals DALIS TS
	Phase 2	199532.63	1272840.24			Metals, PAHs, TS
	Phase 2	199532.63	1272840.24	EB-55-3-5	15 - 17	Metals, PAHs, TS D/F, Metals, TS, VOCs
	Phase 2	199532.03	12/2840.24		3 - 5	
EB-56 F				EB-55-5-7	5 - 7	D/F, Metals, TS, VOCs
EB-56 F				EB-55-8-10	8 - 10	D/F, Metals, TS, VOCs
EB-56 F				EB-56-2-4	2 - 4	Metals, PCBs, PAHs, TS
ER-20 I	51 5 I	400074.05	4272504 27	EB-56-5-7	5 - 7	Metals, PCBs, PAHs, TS
	Phase 2	198874.85	1272584.27	EB-56-8-10	8 - 10	Metals, PCBs, PAHs, TS
				EB-56-12.5-14.5	12.5 - 14.5	PCBs, TS
\longrightarrow				EB-56-16-18	16 - 18	PCBs, TS
				EMW-17S-3-5	3 - 5	Metals, TPH-Dx, TS
EMW-17S F	Phase 2	199365.38	1272611.79	EMW-17S-5-7	5 - 7	Metals, TPH-Dx, TS
				EMW-17S-8-10	8 - 10	Metals, TPH-Dx, TS
				EMW-17S-12-14	12 - 14	Metals, TPH-Dx, TS
				EMW-18S-2.5-4.5	2.5 - 4.5	Metals, PAHs, TPH-Dx, TS
EMW-18S F	Phase 2	199134.80	1272603.63	EMW-18S-5-6.5	5 - 6.5	Metals, PAHs, TPH-Dx, TS
LIVIW 105 1	Tilase 2	155154.00	1272003.03	EMW-18S-8-10	8 - 10	Metals, PAHs, TPH-Dx, TS
				EMW-18S-11-13	11 - 13	Metals, PAHs, TPH-Dx, TS
				EMW-19D-15-17	15 - 17	EPH, PCBs, PAHs, TPH-Dx, TPH-Gx, TS, VOC, VPH
				EMW-19D-18-20	18 - 20	EPH, PCBs, PAHs, TPH-Dx, TPH-Gx, TS, VOC, VPH
				EMW-19D-26-28	26 - 28	EPH, PCBs, PAHs, TPH-Dx, TPH-Gx, TS, VOC, VPH
EMW-19D F	Phase 2	199097.59	1272736.04	EMW-19D-38-40	38 - 40	EPH, PCBs, PAHs, TPH-Dx, TPH-Gx, TS, VOC, VPH
EINIAN-TAD L	Pilase 2	199097.59	12/2/36.04	EMW-19D-47-49	47 - 49	EPH, PCBs, PAHs, TPH-Dx, TPH-Gx, TS, VOC, VPH
				EMW-19D-58-59.5	58 - 59.5	EPH, PCBs, PAHs, TPH-Dx, TPH-Gx, TS, VOC, VPH
				EMW-19D-68-69.5	68 - 69.5	EPH, PCBs, PAHs, TPH-Dx, TPH-Gx, TS, VOC, VPH
				EMW-19D-78-79.5	78 - 79.5	EPH, PCBs, PAHs, TPH-Dx, TPH-Gx, TS, VOC, VPH
				EMW-20D-2-4	2 - 4	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, TS, VOCs
				EMW-20D-4-7	4 - 7	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, TS, VOCs
EMW-20D P	Phase 2	198935.67	1273160.44	EMW-20D-7-10	7 - 10	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TS, VOCs
				EMW-20D-10-11	10 - 11	D/F, Metals, PCBs, PAHs, SVOCs, TPH-Dx, TS, VOCs
				EMW-20D-11.5-14.5	11.5 - 14.5	Metals, PCBs, PAHs, SVOCs, TPH-Dx, TS, VOCs
				EMW-21D-2-4	2 - 4	PAHs, PCBs
				EMW-21D-5-7	5 - 7	PAHs, PCBs
			l	EMW-21D-8-10	8 - 10	PAHs, PCBs
EMW-21D F	Phase 2	198668.25	1272751.52	EMW-21D-14-14.7	14 - 14.7	PAHs, PCBs, TS
				EMW-21D-15-15.4	15 - 15.4	Metals, PCBs, TS
				EMW-21D-17-17.7	17 - 17.7	Metals, PCBs, TS
+				EMW-22D-2-4	2 - 4	D/F, Metals, PAHs, TPH-Dx, TS
				EMW-22D-5-7	5 - 7	Metals, PAHs, TPH-Dx, TS
EMW-22D F	Phase 2	199366.13	1273360.73	EMW-22D-8-10	8 - 10	Metals, T, PAHs, TPH-Dx
				EMW-22D-12.5-14.5	12.5 - 14.5	PAHs, SVOCs, TPH-Dx, TS, VOCs

¹ Horizontal datum: Washington State Plane North, NAD83, US Survey feet.

² ft bgs = feet below ground surface.

³ Chemical Testing: D/F = dioxins/furans, EPH = extractable petroleum hydrocarbons, Metals = 13 priority pollutant metals [antimony (Sb), arsenic (As), beryllium (Be), cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni), selenium (Se), silver (Ag), thallium (Tl), zinc (Zn)], and Barium [Ba]. PAHs = polycyclic aromatic hydrocarbons, PCBs = polychlorinated biphenyls, SVOCs = semi-volatile organic compounds, TOC = total organic carbon, TPH-Dx = total petroleum hydrocarbons diesel extended, TPH-Gx = total petroleum hydrocarbons gasoline extended, TS = total solids, VOCs = volatile organic compounds, VPH = volatile petroleum hydrocarbons

Table D-2 RI Groundwater Sampling Summary 8th Avenue Terminals, Inc. Site

	Coord	dinates ¹			hase ²			Screened	
			PH1	PH1				Interval	<u> </u>
Well ID	Northing	Easting	НТ	LT	IA	PH2	Sample ID ³	ft btoc ⁴	Chemical Testing ⁵
			-	X	 	Х	CMW-1-121514 CMW-1-100213		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
CMW-1	199375.36	1273356.80	X	 ^			CMW-1-100213	2.5 - 17.5	Chloride, Metals (Total and Dissolved), PCBS, PARIS, 3VOCS, TDS, TPR-DX, TPR-DX, TSS, VOCS
				X			CMW-1-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
				 ^	$\vdash \vdash$	Х	CMW-2-121514		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
				X			CMW-2-100113		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
CMW-2	199223.67	1273303.67	X	 			CMW-2-092413	2.5 - 17.5	Chloride, Metals (Total and Dissolved), TDS, TSS
				Х			CMW-2-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
						Х	CMW-3-121814		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
CN 4144 2	400073.00	4272220 44		Х			CMW-3-093013	25 405	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
CMW-3	199072.08	1273239.41	Х				CMW-3-092413	3.5 - 18.5	Chloride, Metals (Total and Dissolved), TDS, TSS
				Х			CMW-3-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
						Х	CMW-4-121814		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
CMW-4	198940 14	1273167.51		Х			CMW-4-100313	2.5 - 18.0	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
CIVIVV-4	130340.14	12/310/.31	Х				CMW-4-092513	2.5 - 10.0	Chloride, Metals (Total and Dissolved), TDS, TSS
				Х			CMW-4-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
				<u> </u>		Х	CMW-5-12222014		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
CMW-5	198829.50	1273003.17		Х			CMW-5-093013	3.0 - 18.0	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
			Х	Ь—	<u> </u>		CMW-5-092413		Chloride, Metals (Total and Dissolved), TDS, TSS
			<u> </u>	X			CMW-5-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
				 	<u> </u>	Х	CMW-6-121614		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
CMW-6	198692.03	1272872.72		X	 		CMW-6-100113	5.0 - 19.5	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
			X	 , 	 		CMW-6- 092513		Chloride, Metals (Total and Dissolved), TDS, TSS
	-			X	 	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	CMW-6-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
				X	 	Х	CMW-7-121614 CMW-7-100213		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
CMW-7	198703.24	1272711.78	X	 ^	 		CMW-7-100213 CMW-7-092613	4.5 - 19.3	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), TDS, TSS
				X			CMW-7-092013		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
				 ^		Х	DMW-2-121614		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
				Х	\vdash		DMW-2-100213		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
DMW-2	199181.92	1272715.23	X	 	\vdash		DMW-2-092313	5.0 - 19.0	Chloride, Metals (Total and Dissolved), TDS, TSS
				X			DMW-2-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
				 		Х	DMW-52-121614		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
						Х	DMW-3-121814		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
51414.5	400005.00	4272745.00		Х			DMW-3-093013	50.400	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
DMW-3	199085.93	1272715.09	Х				DMW-3-092313	5.0 - 19.0	Chloride, Metals (Total and Dissolved), TDS, TSS
				Х			DMW-3-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
					Х		DMW6-070314		Dissolved Metals
DMW-6	198920 40	1272851.44		Х			DMW-6-100213	5.0 - 19.0	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
DIVIVI-0	130320.40	12/2031.44	Х				DMW-6-092313	3.0 - 13.0	Chloride, Metals (Total and Dissolved), TDS, TSS
				Х			DMW-6-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
DMW-6A	198906.29	1272867.60	<u> </u>	Ь—		Х	DMW-6A-121714	5.0 - 20.0	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
				ـــــ	<u> </u>	Х	EMW-1S-121514		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
EMW-1S	199762.87	1272940.19		X	<u> </u>		EMW-1S-093013	5.0 - 19.8	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
			Х	<u> </u>	<u> </u>		EMW-1S-092313	i	Chloride, Metals (Total and Dissolved), TDS, TSS
					1			1	
	<u> </u>		-	X			EMW-1S-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
						Х	EMW-1S-0713 EMW-2S-121714		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
				X		Х	EMW-1S-0713 EMW-2S-121714 EMW-2S-100313		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
EMW-2S	199571.31	1273329.79	Х	Х		X	EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313	4.8 - 19.6	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), TDS, TSS
EMW-2S	199571.31	1273329.79	X	X		X	EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313 EMW-2S-0713	4.8 - 19.6	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), TDS, TSS Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
EMW-2S	199571.31	1273329.79	X	Х		X	EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313	4.8 - 19.6	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), TDS, TSS Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
EMW-2S	199571.31	1273329.79	X	X X X		X	EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313 EMW-2S-0713 EMW-57S-100313 EMW-57S-0713	4.8 - 19.6	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), TDS, TSS Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
				X X X			EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313 EMW-2S-0713 EMW-57S-100313		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), TDS, TSS Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
		1273329.79		X X X			EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313 EMW-2S-0713 EMW-57S-100313 EMW-57S-0713 EMW-3S-121514	4.8 - 19.6 5.0 - 19.8	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), TDS, TSS Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
				X X X			EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313 EMW-2S-0713 EMW-57S-100313 EMW-57S-0713 EMW-3S-121514 EMW-3S-100113		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), TDS, TSS
				X X X X			EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313 EMW-2S-0713 EMW-57S-100313 EMW-57S-0713 EMW-3S-121514 EMW-3S-100113 EMW-3S-092513		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), TDS, TSS
EMW-3S	199487.42	1273364.83	X	X X X X		X	EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313 EMW-2S-0713 EMW-57S-100313 EMW-57S-0713 EMW-3S-121514 EMW-3S-100113 EMW-3S-092513 EMW-3S-0713	5.0 - 19.8	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), TDS, TSS Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Dx, TPH-Cx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Cx, TSS, VOC Chloride, Metals (Total
EMW-3S	199487.42		X	X X X X		X	EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313 EMW-2S-0713 EMW-57S-100313 EMW-57S-0713 EMW-3S-121514 EMW-3S-100113 EMW-3S-092513 EMW-3S-0713 EMW-4D-121514		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), TDS, TSS Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Dx, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Dx, TPH-Gx, TSS, VOC Chlorid
EMW-3S	199487.42	1273364.83	X	X X X X		X	EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313 EMW-2S-0713 EMW-57S-0713 EMW-57S-0713 EMW-3S-121514 EMW-3S-100113 EMW-3S-092513 EMW-3S-0713 EMW-4D-121514 EMW-4D-100113	5.0 - 19.8	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), TDS, TSS Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), TDS, TSS
EMW-3S	199487.42	1273364.83	X	x x x x	X	X	EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313 EMW-2S-0713 EMW-57S-100313 EMW-57S-0713 EMW-3S-121514 EMW-3S-100113 EMW-3S-092513 EMW-3S-0713 EMW-4D-121514 EMW-4D-100113 EMW-4D-092513	5.0 - 19.8	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), TDS, TSS Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), TDS, TSS
EMW-3S	199487.42 199352.33	1273364.83 1273365.96	X	x x x x	x	X	EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313 EMW-2S-0713 EMW-57S-100313 EMW-57S-0713 EMW-3S-121514 EMW-3S-100113 EMW-3S-092513 EMW-3S-0713 EMW-4D-121514 EMW-4D-100113 EMW-4D-092513 EMW-4D-092513	5.0 - 19.8	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Dissolved Metals
EMW-3S	199487.42 199352.33	1273364.83	X	x	X	X	EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313 EMW-2S-0713 EMW-57S-100313 EMW-57S-100313 EMW-3S-121514 EMW-3S-100113 EMW-3S-092513 EMW-3S-0713 EMW-4D-121514 EMW-4D-100113 EMW-4D-092513 EMW-4D-0713 EMW-4D-0713	5.0 - 19.8	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
EMW-3S	199487.42 199352.33	1273364.83 1273365.96	X	x	x	X	EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313 EMW-2S-0713 EMW-57S-100313 EMW-57S-100313 EMW-3S-121514 EMW-3S-121514 EMW-3S-092513 EMW-3S-0713 EMW-4D-121514 EMW-4D-100113 EMW-4D-092513 EMW-4D-0713 EMW-4D-0713 EMWSS-070314 EMWSS-070314	5.0 - 19.8	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
EMW-3S EMW-4D	199487.42 199352.33 199380.03	1273364.83 1273365.96 1273148.38	X X X	x	x	X	EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313 EMW-2S-0713 EMW-57S-100313 EMW-57S-0713 EMW-3S-121514 EMW-3S-100113 EMW-3S-092513 EMW-3S-0713 EMW-4D-121514 EMW-4D-100113 EMW-4D-0713 EMW-4D-0713 EMW-5S-070314 EMW-5S-070314 EMW-5S-070314 EMW-5S-092413 EMW-5S-0713	5.0 - 19.8 40.0 - 49.8 5.0 - 19.8	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), TDS, TSS Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Dissolved Metals Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Dissolved Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), TDS, TSS
EMW-3S EMW-4D	199487.42 199352.33 199380.03	1273364.83 1273365.96	X X X	x	x	X	EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313 EMW-2S-0713 EMW-57S-100313 EMW-57S-0713 EMW-3S-121514 EMW-3S-100113 EMW-3S-092513 EMW-3S-0713 EMW-4D-121514 EMW-4D-100113 EMW-4D-0713 EMW-4D-0713 EMW-5S-070314 EMW-5S-100213 EMW-5S-070314 EMW-5S-070314 EMW-5S-070314 EMW-5S-070314	5.0 - 19.8 40.0 - 49.8 5.0 - 19.8	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), TDS, TSS Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Dissolved Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved)
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EMW-3S EMW-4D EMW-5S	199487.42 199352.33 199380.03	1273364.83 1273365.96 1273148.38	X X X	x	X	X	EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313 EMW-2S-0713 EMW-57S-100313 EMW-57S-100313 EMW-57S-100313 EMW-3S-121514 EMW-3S-100113 EMW-3S-092513 EMW-3S-0713 EMW-4D-121514 EMW-4D-100113 EMW-4D-0713 EMW-4D-0713 EMW-5S-070314	5.0 - 19.8 40.0 - 49.8 5.0 - 19.8	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
EMW-4D EMW-5S	199487.42 199352.33 199380.03	1273364.83 1273365.96 1273148.38 1273130.58	x	x	X	X	EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313 EMW-2S-0713 EMW-57S-100313 EMW-57S-100313 EMW-57S-100313 EMW-3S-121514 EMW-3S-121514 EMW-3S-092513 EMW-3S-0713 EMW-4D-121514 EMW-4D-100113 EMW-4D-0713 EMW-4D-0713 EMW-5S-070314 EMW-5S-070314 EMW-5S-070314 EMW-5S-100213 EMW-5S-0713 EMW-5S-0713 EMW-5S-0713 EMW-5S-0713 EMW-5S-0713 EMW-6S-100213 EMW-5S-121514 EMW-6S-121514	5.0 - 19.8 40.0 - 49.8 5.0 - 19.8	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
EMW-4D EMW-5S	199487.42 199352.33 199380.03	1273364.83 1273365.96 1273148.38 1273130.58	X X X	x x x x x x x x x x x x x x x x x x x	X	X X X	EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313 EMW-2S-0713 EMW-57S-100313 EMW-57S-100313 EMW-57S-0713 EMW-3S-121514 EMW-3S-121514 EMW-3S-092513 EMW-3S-0713 EMW-4D-121514 EMW-4D-100113 EMW-4D-0713 EMW-4D-0713 EMW-5S-070314 EMW-5S-070314 EMW-5S-070314 EMW-5S-0713 EMW-5S-0713 EMW-5S-0713 EMW-5S-0713 EMW-5S-0713 EMW-6S-092413 EMW-6S-100213 EMW-6S-121514 EMW-6S-100213 EMW-6S-092313 EMW-6S-0713	5.0 - 19.8 40.0 - 49.8 5.0 - 19.8	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC
EMW-4D EMW-5S	199487.42 199352.33 199380.03	1273364.83 1273365.96 1273148.38 1273130.58	X X X	x	x	X	EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313 EMW-2S-0713 EMW-57S-100313 EMW-57S-100313 EMW-57S-0713 EMW-3S-121514 EMW-3S-121514 EMW-3S-092513 EMW-3S-0713 EMW-4D-121514 EMW-4D-100113 EMW-4D-0713 EMW-4D-0713 EMW-5S-070314 EMW-5S-100213 EMW-5S-070314 EMW-5S-100213 EMW-5S-0713 EMW-5S-0713 EMW-6S-092413 EMW-6S-121514 EMW-6S-121514 EMW-6S-100213 EMW-6S-092313 EMW-6S-0713	5.0 - 19.8 40.0 - 49.8 5.0 - 19.8	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), TDS, TSS Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Dissolved Metals Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (To
EMW-4D EMW-5S EMW-5SA	199487.42 199352.33 199380.03 199397.74 199487.50	1273364.83 1273365.96 1273148.38 1273130.58	x	x	x	X X X	EMW-1S-0713 EMW-2S-121714 EMW-2S-100313 EMW-2S-092313 EMW-2S-0713 EMW-57S-100313 EMW-57S-100313 EMW-57S-0713 EMW-3S-121514 EMW-3S-121514 EMW-3S-092513 EMW-3S-0713 EMW-4D-121514 EMW-4D-100113 EMW-4D-0713 EMW-4D-0713 EMW-5S-070314 EMW-5S-070314 EMW-5S-070314 EMW-5S-0713 EMW-5S-0713 EMW-5S-0713 EMW-5S-0713 EMW-5S-0713 EMW-6S-092413 EMW-6S-100213 EMW-6S-121514 EMW-6S-100213 EMW-6S-092313 EMW-6S-0713	5.0 - 19.8 40.0 - 49.8 5.0 - 19.8	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOC

Table D-2 RI Groundwater Sampling Summary 8th Avenue Terminals, Inc. Site

	0 ===	inatas ¹	l	RI Ph	2		oui Avei		inals, Inc. Site
	Coord	inates ¹	PH1	PH1	iase			Screened Interval	
Well ID	Northing	Easting	HT	LT	IA	PH2	Sample ID ³	ft btoc ⁴	Chemical Testing ⁵
		Ü				Х	EMW-8S-121714		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
EMW-8S	100222 40	1272897.26		Х			EMW-8S-100313	5.0 - 19.8	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
EIVIVV-63	199223.49	12/209/.20	Х				EMW-8S-092413	5.0 - 19.8	Chloride, Metals (Total and Dissolved), TDS, TSS
				Х			EMW-8S-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
						Х	EMW-9S-121714		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
EMW-9S	199146.84	1273044.63		Х			EMW-9S-093013	5.0 - 19.8	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
			<u> </u>	Х			EMW-9S-092313 EMW-9S-0713		Chloride, Metals (Total and Dissolved), TDS, TSS Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
						Х	EMW-10D-121714		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
				Х			EMW-10D-100113		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
			Х				EMW-10D-092513		Chloride, Metals (Total and Dissolved), TDS, TSS
EMW-10D	199094.38	1272714.09		Х			EMW-10D-0713	40.0 - 49.8	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
				Х			EMW-56D-100113		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
			X				EMW-56D-092513		Chloride, Metals (Total and Dissolved), TDS, TSS
				Х			EMW-56D-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
				Х		Х	EMW-11S-121614 EMW-11S-093013		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
EMW-11S	199007.93	1272657.71	X				EMW-11S-093013	5.0 - 19.8	Chloride, Metals (Total and Dissolved), TDS, TSS
			<u> </u>	х			EMW-11S-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
						Х	EMW-12S-20141219		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
FM\\\/_126	198751 92	1272670.76		Х			EMW-12S-100313	5.0 - 19.8	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
FIAIAA-T72	150/31.02	12/20/0./0	Х				EMW-12S-092413	J.U - 13.0	Chloride, Metals (Total and Dissolved), TDS, TSS
				Х			EMW-12S-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
						Х	EMW-13S-121614		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
EN 4) 4/ 4/20	100007.00	4272700.04		Х			EMW-13S-100113	F 0 40 0	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
FINIM-132	198667.92	1272788.91	X				EMW-13S-092513	5.0 - 19.8	Chloride, Metals (Total and Dissolved), TDS, TSS
				Х		Х	EMW-13S-0713 EMW-63S-121614		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
						X	EMW-14D-121614		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
				х			EMW-14D-093013		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
EMW-14D	198695.81	1272872.68	Х				EMW-14D-092513	39.5 - 49.5	Chloride, Metals (Total and Dissolved), TDS, TSS
				Х			EMW-14D-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
						Χ	EMW-15D-121814		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
EMW-15D	198939.73	1273164.77		Х			EMW-15D-100113	39.5 - 49.5	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
			X				EMW-15D-092513		Chloride, Metals (Total and Dissolved), TDS, TSS
				Х		Х	EMW-15D-0713 EMW-16D-121614		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
				Х		^	EMW-16D-121614 EMW-16D-100213		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
EMW-16D	198688.30	1272699.81	<u> </u>				EMW-16D-092413	39.5 - 49.5	Chloride, Metals (Total and Dissolved), FCBS, FATIS, 3VOCS, TDS, TFTT-DX, TFTT-DX, TSTT-DX, TSTT-DX, TSTT-DX, TSTT-DX, TSTT-DX, TST-DX, TST-DX
				X			EMW-16D-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
EMW-17S	199373.02	1272607.65				Х	EMW-17S-121814	5.0 - 20.0	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
EMW-18S	199137.09	1272601.05				Х	EMW-18S-121714	5.0 - 20.0	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
		1272734.26				Х	EMW-19D-121814	75.0 - 80.0	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
		1273157.51				X	EMW-20D-121614	75.0 - 80.0	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
		1272750.99 1273355.76				X	EMW-21D-121614 EMW-22D-121714	75.0 - 80.0 75.0 - 80.0	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
HC-4		1272720.30	Х			_^_	HC-4-092413	6.5 - 16.5	Chloride, Metals (Total and Dissolved), FCBS, FATIS, 3VOCS, TDS, TFTI-DX, VOCS
- 110 1						Х	HC-20-121614		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
HC-20	100221 20	1272652 10		Х			HC-20-100113	9.5 - 19.5	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
ПС-20	199231.20	1272652.10	Х				HC-20-092313	9.3 - 19.3	Chloride, Metals (Total and Dissolved), TDS, TSS
				Х			HC-20-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
MW-2	199699.31	1273225.15			Х	.,	MW2-072914	3.5 - 15.0	Dissolved Metals
				X		Х	SLR-1-121814 SLR-1-100313		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
SLR-1	199652.19	1273064.50	<u> </u>				SLR-1-092313	5.0 - 14.8	Chloride, Metals (Total and Dissolved), FCBS, FATIS, 3VOCS, TDS, TFTT-DX, TFTT-DX, TSTT-DX, TFTT-DX, TST-DX, TFTT-DX, TST-DX,
				х			SLR-1-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
						Х	SLR-2-121714		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
SLR-2	100672 00	1273280.25		Х			SLR-2-100213	4.2 - 14.0	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
SLK-Z	1530/3.90	12/3280.25	Х				SLR-2-092313	4.2 - 14.0	Chloride, Metals (Total and Dissolved), TDS, TSS
				Х			SLR-2-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
						Х	SLR-3-121514		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
SLR-3	199530.53	1273163.01	ļ.,	Х			SLR-3-100313	3.9 - 13.7	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
			X	Х			SLR-3-092313		Chloride, Metals (Total and Dissolved), TDS, TSS Chloride, Metals (Total and Dissolved), PCRs, PAHs, SVOCs, TDS, TPH-Dy, TPH-Gy, TSS, VOCs
				^		Х	SLR-3-0713 SLR-6-121714		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
				Х		 ^	SLR-6-100113		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
SLR-6	199543.67	1273285.44	Х	<u> </u>			SLR-6-092313	3.9 - 13.7	Chloride, Metals (Total and Dissolved), TDS, TSS
				Х			SLR-6-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
						Х	SLR-7-121514		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, VOCs
SLR-7	199538 61	1272997.42		Х			SLR-7-100113	4.2 - 14.0	Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs
55.11 /		,,	Х				SLR-7-092313	14.0	Chloride, Metals (Total and Dissolved), TDS, TSS
			I	x	l		SLR-7-0713		Chloride, Metals (Total and Dissolved), PCBs, PAHs, SVOCs, TDS, TPH-Dx, TPH-Gx, TSS, VOCs

 $^{^{\}rm 1}$ Horizontal datum: Washington State Plane North, NAD83, US Survey feet.

² RI Phase: PH1 HT = Phase 1 RI, high-tide sampling event, PH1 LT = Phase 1 RI, low-tide sampling event, IA = interim action sampling event, PH2 = Phase 2 RI sampling event (low tide)

³ Wells sampled with low flow sampling method, 2-inch well diameter

⁴ ft btoc = feet below top of casing.

⁵ Chemical Testing: Metals = 13 priority pollutant metals [antimony (Sb), arsenic (As), beryllium (Be), cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni), selenium (Se), silver (Ag), thallium (Tl), zinc (Zn)], and Barium [Ba], PAHs = polycyclic aromatic hydrocarbons, PCBs = polychlorinated biphenyls, SVOCs = semi-volatile organic compounds, TDS = total dissolved solids, TPH-Dx = total petroleum hydrocarbons diesel extended, TPH-Gx = total petroleum hydrocarbons gasoline extended, TSS = total suspended solids, VOCs = volatile organic compounds

Table D-3
RI Seep Sampling Summary
8th Avenue Terminals, Inc. Site

	Coordinates ¹				
Station ID	Northing Easting		Sample ID	Sampling Method	Chemical Testing ²
SEEP-1	198661.75	1272754.95	SEEP-1	Grab	Chloride, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TSS, VOCs
SEEP-2	198663.66	1272825.93	SEEP-2	Grab	Chloride, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TSS, VOCs
SEEP-3	198907.54	1273157.55	SEEP-3	Grab	Chloride, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TSS, VOCs
SEEP-4	198759.68	1273049.19	SEEP-4	Grab	Chloride, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TSS, VOCs
SEEP-5	199162.54	1273295.34	SEEP-5	Grab	Chloride, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TSS, VOCs

¹ Horizontal datum: Washington State Plane North, NAD83, US Survey feet.

² Chemical Testing: Metals = 13 priority pollutant metals [antimony (Sb), arsenic (As), beryllium (Be), cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni), selenium (Se), silver (Ag), thallium (Tl), zinc (Zn)], and Barium [Ba], PAHs = polycyclic aromatic hydrocarbons, PCBs = polychlorinated biphenyls, SVOCs = semi-volatile organic compounds, TOC = total organic carbon, TPH-Dx = total petroleum hydrocarbons diesel extended, TPH-Gx = total petroleum hydrocarbons gasoline extended, TSS = total suspended solids, VOCs = volatile organic compounds

Table D-4
RI Stormwater Sampling Summary
8th Avenue Terminals, Inc. Site

	Coord	inates ¹			
Station ID	Northing	Easting	Sample ID	Sampling Method	Chemical Testing ²
OF-1	198668.86	1272702.26	OF1-022014	Grab	Chloride, Metals, PCBs, PBDEs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TSS, VOCs
01 1	130000.00	1272702.20	OF-1-062613	Grab	Chloride, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TSS, VOCs
			OF2-022014		Chloride, Metals, PCBs, PBDEs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TSS, VOCs
OF-2	198660.91	1272807.14	OF9-022014	Grab	Chloride, Metals, PCBs, PBDEs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TSS, VOCs
			OF-2-062613		Chloride, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TSS, VOCs
OF-3	198691.49	1272924.68	OF3-022014	Grab	Chloride, Metals, PCBs, PBDEs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TSS, VOCs
01 3	130031.43	1272324.00	OF-3-062613	Grab	Chloride, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TSS, VOCs
OF-4	198835.07	1273082.77	OF4-022014	Grab	Chloride, Metals, PCBs, PBDEs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TSS, VOCs
01-4	190033.07	1273082.77	OF-4-062613	Glab	Chloride, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TSS, VOCs
OF-5	198930.66	1273185.18	OF5-022014	Grab	Chloride, Metals, PCBs, PBDEs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TSS, VOCs
01-5	198930.00 12/3185.18		OF-5-062613	Grab	Chloride, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TSS, VOCs
OF-6	199300.86	1273358.66	OF6-022014	Grab	Chloride, Metals, PCBs, PBDEs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TSS, VOCs
OF-0	133300.00	12/3336.00	OF-6-062613	Grab	Chloride, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TSS, VOCs

¹ Horizontal datum: Washington State Plane North, NAD83, US Survey feet.

² Chemical Testing: Metals = 13 priority pollutant metals [antimony (Sb), arsenic (As), beryllium (Be), cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni), selenium (Se), silver (Ag), thallium (Tl), zinc (Zn)], and Barium [Ba], PAHs = polycyclic aromatic hydrocarbons, PBDEs = polybrominated diphenyl ethers, PCBs = polychlorinated biphenyls, SVOCs = semi-volatile organic compounds, TOC = total organic carbon, TPH-Dx = total petroleum hydrocarbons diesel extended, TPH-Gx = total petroleum hydrocarbons gasoline extended, TSS = total suspended solids, VOCs = volatile organic compounds

Table D-5
RI Catch Basin Solids Sampling Summary
8th Avenue Terminals, Inc. Site

	Coord	linates ¹		
Station ID	Northing	Easting	Sample ID	Chemical Testing ²
DP1CB2	198822.04	1272695.60	DP1CB2-061113	GS, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TS, VOCs
DP1CB3	198919.45	1272697.99	DP1CB3-061013	GS, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TS, VOCs
DP2CB2	198816.54	1272816.18	DP2CB2-061113	GS, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TS, VOCs
DP2CB5	199114.02	1272821.33	DP2CB5-060613	GS, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TS, VOCs
DP3CB1	198729.47	1272934.53	DP3CB1-060613	GS, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TS, VOCs
DESCRI	190/29.4/	12/2954.55	DP10CB1-060613	GS, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TS, VOCs
DP3CB3	198913.38	1272937.76	DP3CB3-060613	GS, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TS, VOCs
DP4CB2	199014.31	1273060.02	DP4CB2-061113	GS, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TS, VOCs
DP4CB4	199210.13	1273063.56	DP4CB4-021314	D/F, GS, Metals, PCBs, PAHs, PBDEs, SVOCs, TOC, TPH-Dx, TPH-Gx, TS, VOCs
DP4CB4	199210.13	12/3003.30	DP4CB4-061013	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TS, VOCs
DP5CB1	198954.89	1273180.03	DP5CB1-061113	GS, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TS, VOCs
DP5CB4	199207.06	1273285.47	DP5CB4-061113	GS, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TS, VOCs
DP6CB1	199309.50	1273187.30	DP6CB1-060613	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TS, VOCs
DD6CD4	199318.02	1272025 16	DP6CB4-021314	D/F, GS, Metals, PCBs, PAHs, PBDEs, SVOCs, TOC, TPH-Dx, TPH-Gx, TS, VOCs
DP6CB4	133316.02	1272825.16	DP6CB4-061013	GS, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TPH-Gx, TS, VOCs

¹ Horizontal datum: Washington State Plane North, NAD83, US Survey feet.

² Chemical Testing: D/F = dioxins/furans, GS = grain size, Metals = 13 priority pollutant metals [antimony (Sb), arsenic (As), beryllium (Be), cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni), selenium (Se), silver (Ag), thallium (Tl), zinc (Zn)], and Barium [Ba], PAHs = polycyclic aromatic hydrocarbons, PBDEs = polybrominated diphenyl ethers, PCBs = polychlorinated biphenyls, SVOCs = semi-volatile organic compounds, TOC = total organic carbon, TPH-Dx = total petroleum hydrocarbons diesel extended, TPH-Gx = total petroleum hydrocarbons gasoline extended, TS = total solids, VOCs = volatile organic compounds

Table D-6
RI Intertidal Sediment Sampling Summary
8th Avenue Terminals, Inc. Site

	Coordinates ¹				
Station ID	Northing Easting		Sample ID	Sampling Interval ²	Chemical Testing ³
IS-1	198652.20	1272725.25	IS-1	0-3 inches	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TS
IS-2	198654.83	1272813.77	IS-2	0-3 inches	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TS
IS-3	198683.41	1272928.31	IS-3	0-3 inches	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TS
IS-4	198795.38	1273045.00	IS-4	0-3 inches	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TS
IS-5	198930.82	1273198.95	IS-5	0-3 inches	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TPH-Dx, TS

¹ Horizontal datum: Washington State Plane North, NAD83, US Survey feet.

² Interval depths below mudline

³ Chemical Testing: D/F = dioxins/furans, GS = grain size, Metals = 13 priority pollutant metals [antimony (Sb), arsenic (As), beryllium (Be), cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni), selenium (Se), silver (Ag), thallium (Tl), zinc (Zn)], and Barium [Ba], PAHs = polycyclic aromatic hydrocarbons, PCBs = polychlorinated biphenyls, SVOCs = semi-volatile organic compounds, TOC = total organic carbon, TPH-Dx = total petroleum hydrocarbons diesel extended, TS = total solids

Table D-7
RI Sediment Sampling Summary
8th Avenue Terminals, Inc. Site

	Coord	linates ¹		Mudline Elevation	Sampling	
Station ID	Northing	Easting	Sample ID	(ft MLLW) ²	Interval ³	Chemical Testing ⁴
Surface Sedim	ent Samples					
SSED-01	198896.29	1273229.94	SSED-01	-10.5	0-10 cm	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-02	198848.14	1273279.82	SSED-02	-11.3	0-10 cm	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-03	198757.62	1273092.94	SSED-03	-11.9	0-10 cm	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-04	198706.94	1273141.83	SSED-04	-12.1	0-10 cm	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-05	198662.75	1272977.66	SSED-05	-11.4	0-10 cm	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
CCED OC	100002 51	1272022 20	SSED-06	12.4	0-10 cm	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-06	198603.51	1273022.39	SSED-56	-13.4	0-10 cm	D/F, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-07	198606.08	1272841.99	SSED-07	-10.7	0-10 cm	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-08	198542.15	1272840.05	SSED-08	-14.1	0-10 cm	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-09	198648.85	1272633.63	SSED-09	-2.8	0-10 cm	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-10	198600.12	1272735.18	SSED-10	-10.1	0-10 cm	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-11	198545.68	1272739.32	SSED-11	-13.9	0-10 cm	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-12	198599.85	1272607.73	SSED-12	-9.8	0-10 cm	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-13A	198703.49	1272480.76	SSED-13A	-4.2	0-10 cm	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-14	198781.65	1272482.81	SSED-14	+1.7	0-10 cm	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-15A	198646.87	1272475.14	SSED-15A	-15.5	0-10 cm	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-16A	198752.74	1272480.77	SSED-16A	-1.0	0-10 cm	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-17A	198545.62	1272616.81	SSED-17A	-15.9	0-10 cm	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-18A	198597.75	1272468.05	SSED-18A	-18.4	0-10 cm	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
Subsurface Se	diment Samp	les				
-			SSED-SB-12A-2-4		2-4 ft	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
CCED CD 424	100507.00	4272607.20	SSED-SB-12A-4-6	44.5	4-6 ft	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-SB-12A	198597.06	1272607.39	SSED-SB-12A-6-7.7	-11.5	6-7.7 ft	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
			SSED-SB-12A-8-10		8-10 ft	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
CCED CD 12A	100701 01	1272474 60	SSED-SB-13A-0.5-2	ГС	0.5-2 ft	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-SB-13A	198701.91	1272474.68	SSED-SB-13A-3-5	-5.6	3-5 ft	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
			SSED-SB-14A-0.5-2		0.5-2 ft	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
			SSED-SB-14A-2-4		2-4 ft	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-SB-14A	198778.87	1272485.02	SSED-SB-14A-4-6	+1.2	4-6 ft	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
			SSED-SB-64A-4-6		4-6 ft	Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
			SSED-SB-14A-7-9		7-9 ft	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-SB-16A	198750.42	1272484.31	SSED-SB-16A-1-2.7	-0.77	1-2.7 ft	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
			SSED-SB-16A-4-6		4-6 ft	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
CCED CD 10	100770 07	1272449.69	SSED-SB-19-2-4	0.77	2-4 ft	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-SB-19	198779.87	1272448.68	SSED-SB-19-4-6	-0.77	4-6 ft	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
			SSED-SB-19-7-9		7-9 ft	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
			SSED-SB-20-2-4		2-4 ft	D/F, GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
SSED-SB-20	198726.83	1272437.20	SSED-SB-70-2-4	-6.5	2-4 ft	D/F, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
			SSED-SB-20-5-7		5-7 ft	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs
			SSED-SB-20-8-10		8-10 ft	GS, Metals, PCBs, PAHs, SVOCs, TOC, TS, VOCs

¹ Horizontal datum: Washington State Plane North, NAD83, US Survey feet.

² ft = feet, MLLW = mean lower low water

³ cm = centimeters, ft = feet, depths are below mudline

⁴ Chemical Testing: D/F = dioxins/furans, GS = grain size, Metals = 13 priority pollutant metals [antimony (Sb), arsenic (As), beryllium (Be), cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni), selenium (Se), silver (Ag), thallium (Tl), zinc (Zn)], and Barium [Ba], PAHs = polycyclic aromatic hydrocarbons, PCBs = polychlorinated biphenyls, SVOCs = semi-volatile organic compounds

Table D-8
Phase 2 RI Sediment Mudline Determinations
8th Avenue Terminals, Inc. Site

					Lead Line	Estimated	
					(Water	Water	Mudline
				Sounder	Depth)	Level *	Elevation
Location	Attempt	Date	Time	Depth (ft)	(ft)	(MLLW)	(MLLW)
Surface Sediment	Grabs						
SSED-01	1 of 1	12/10/2014	1051	20.8	22.2	9.6	-12.6
SSED-02	1 of 1	12/10/2014	1133	21.1	21.9	8.5	-13.4
SSED-03	1 of 1	12/9/2014	1545	21.9	22	7.9	-14.1
SSED-04	1 of 1	12/10/2014	905	25.5	25.5	11.5	-14
SSED-05	1 of 1	12/10/2014	940	25.3	24.4	11.1	-13.3
SSED-06	1 of 1	12/10/2014	1013	25.6	25.9	10.3	-15.6
SSED-07	1 of 1	12/9/2014	1425	N/A	19.8	6.8	-13
SSED-08	1 of 1	12/9/2014	1515	23.6	23.8	7.4	-16.4
SSED-09	1 of 1	12/10/2014	1450	11.5	11.8	6.2	-5.6
SSED-10	1 of 1	12/10/2014	1248	19.5	19.3	6.8	-12.5
SSED-11	1 of 1	12/10/2014	1322	21.9	22.8	6.4	-16.4
SSED-12	1 of 1	12/10/2014	1358	19.2	18.6	6.1	-12.5
SSED-13A ¹	1 of 1	12/12/2014	1100	15.8	16.6	10.5	-6.1
SSED-14	1 of 1	12/10/2014	1526	7.9	8.3	6.6	-1.7
SSED-15A ¹	1 of 1	12/12/2014	1026	25	28.5	11	-17.5
SSED-16A ¹	1 of 1	12/12/2014	835	14.1	14.6	11.2	-3.4
SSED-17A ¹	1 of 1	12/12/2014	912	28.1	29.5	11.5	-18
SSED-18A ¹	1 of 1	12/12/2014	950	30.8	31.7	11.4	-20.3
Subsurface Sedim	ent Cores						
SSED-SB-12A ¹	1 of 1	12/12/2014	1440	N/A	18.8	5.7	-13.1
SSED-SB-13A ¹	1 of 3	12/13/2014	1014	N/A	14.9	11.3	-3.6
SSED-SB-13A ¹	2 of 3	12/13/2014	1046	N/A	16.8	11.1	-5.7
SSED-SB-13A ¹	3 of 3	12/13/2014	1110	N/A	17.7	10.8	-6.9
SSED-SB-14A ¹	1 of 2	12/12/2014	1525	N/A	5.9	5.3	-0.6
SSED-SB-14A ¹	2 of 2	12/12/2014	817	N/A	10.5	11	0.5
SSED-SB-16A ¹	1 of 1	12/12/2014	1540	N/A	7.7	5.3	-2.4
SSED-SB-19	1 of 1	12/13/2014	859	N/A	13.2	10.9	-2.3
SSED-SB-20	1 of 1	12/13/2014	937	N/A	19.2	11.2	-8

 $^{^{\}mathrm{1}}$ The station location was moved due to field conditions.

^{* -} Gauging station provided estimates of tide height at 8th Avenue in Seattle. No real time data available.

Table D-9
Subsurface Sediment Collection Details
8th Avenue Terminals, Inc. Site

Station ID	Attempt	Date Collected	Date Processed	Sampling Equipment	Water Depth - Lead Line (feet)	Drive Penetration (feet)	Core Tube Length (feet)	Measured Headspace (feet)	Measured Recovery (feet)	Core Recovery (%)	Recovery Compaction Factor (x)	Drive Notes
SSED-SB-12A	1 of 1	12/12/2014	12/15/2014	Vibracore	18.8	15.0	15.0	1.9	13.1	87%	1.15	0-8': Easy coring 8-15': Moderate coring
SSED-SB-13A	1 of 3	12/13/2014		Vibracore	14.9	13.8	15.0	7.1	6.7	49%	2.04	0-10': Moderate coring 10-14': Very hard coring Moved off location because there was debris on the bottom causing vibracore to tilt.
SSED-SB-13A	2 of 3	12/13/2014		Vibracore	16.6	5.5	15.0	11.5	3.5	64%	1.56	1-3': Hard coring 3-5': Moderate coring 5-5.5': Hard coring Refusal at 5.5'.
SSED-SB-13A	3 of 3	12/13/2014	12/15/2014	Vibracore	17.7	14.0	15.0	2.9	12.1	86%	1.16	0-8': Easy coring 8-11': Grading to hard coring 11'14': Hard coring
SSED-SB-14A	1 of 2	12/12/2014		Vibracore	5.9							Hard penetration in section, potential debris. Lost core tube: sample not processed.
SSED-SB-14A	2 of 2	12/12/2014	12/15/2014	Vibracore	10.5	14.0	15.0	1.2	13.8	99%	1.01	0-6': Debris, easy to penetrate with intermittant debris 6-15': Moderate coring
SSED-SB-16A	1 of 1	12/12/2014	12/15/2014	Vibracore	7.7	15.0	15.0	2.7	12.3	82%	1.22	Debris on the way down, potentially gravel or wood in 1st 8 ft. 0-8': Intermittant hard coring 8-15': N/A
SSED-SB-19	1 of 1	12/13/2014	12/16/2014	Vibracore	13.2	14	15.0	1.7	13.3	95%	1.05	0-9': Easy coring 9-15': Moderately easy coring
SSED-SB-20	1 of 1	12/13/2014	12/16/2014	Vibracore	19.2	14	15.0	2.9	12.1	86%	1.16	0-15': Easy coring

Table D-10 **Monitoring Well Installation Details** 8th Avenue Terminals, Inc. Site

	Coordinates ²											
	1	Shoreline			Top of Casing Elevation (ft)	Bottom of Well Screen	Total Well	Top of Well Screen (ft	Bottom of Well Screen (ft			
Well ID	Zone ¹	Well X	Northing	Easting	NAVD88 ³		Depth (ft btoc)	btoc)	btoc)			
CMW-1 4	shallow	X	199375.36	1273356.80	16.1	-1.4	17.8	2.5	17.5			
CMW-2 4	shallow		199223.67	1273303.67	16.3	-1.2	17.8	2.5	17.5			
CMW-3 ⁴	shallow shallow	X	199072.08	1273239.41	16.46	-2.0 -2.0	18.8 18.4	2.5	18.5 18.0			
CMW-4 ⁴				1273167.51	16.01							
CMW-5 4	shallow	X	198829.50	1273003.17	16.6	-1.4	18.4	3.0	18.0			
CMW-6 ⁴	shallow	X	198692.03	1272872.72	16.42	-3.1	19.9	5.0	19.5			
CMW-7 ⁴	shallow shallow	Х	198703.24	1272711.78	16.44	-2.9	19.7	4.5	19.3 5			
SLR-1 SLR-2	shallow		199652.19 199673.90	1273064.50 1273280.25	12.05 11.26	-2.8 -2.7	15.1 14.3	5.0 4.2	14.8			
SLR-3	shallow		199530.53		11.86	-1.8	14.5	3.9	13.7			
SLR-6	shallow		199543.67	1273163.01	12.37	-1.8	14.0	3.9	13.7			
SLR-7	shallow		199538.61	1273283.44	14.15	0.2	14.0	4.2	14.0			
DMW-2	shallow		199181.92	1272715.23	16.46	-2.5	19.0	5.0	19.0			
DMW-3	shallow		199085.93	1272715.23	16.47	-2.5	19.0	5.0	19.0			
DMW-6	shallow		198920.40	1272713.03	16.39	-2.6	20.0	5.0	19.0			
DMW-6a	shallow		198906.35	1272869.03	16.38	-3.6	20.0	5.0	20.0			
MW-2 ⁴	shallow		199699.31	1273225.15	11.98	-3.0	15.0	3.5	15.0			
HC-4 ⁴	shallow		198785.55	1272720.30	16.45	-0.1	16.5	6.5	16.5			
HC-19 ⁴	shallow		199037.21	1272865.84	16.57	-5.4	22.0	12.0	22.0			
HC-20 ⁴	shallow		199231.28	1272652.10	16.66	-2.8	19.5	9.5	19.5			
EMW-1S	shallow		199762.87	1272940.19	16.13	-3.7	20.0	5.0	19.8			
EMW-2S	shallow		199571.31	1273329.79	12.66	-6.9	19.8	4.8	19.6			
EMW-3S	shallow	Х	199487.42	1273364.83	16.43	-3.4	20.0	5.0	19.8			
EMW-4D	intermediate	Х	199352.33	1273365.96	16.8	-33.0	50.0	40.0	49.8			
EMW-5S	shallow		199380.03	1273148.38	16.64	-3.2	20.0	5.0	19.8			
EMW-5Sa	shallow		199397.01	1273133.30	16.34	-3.5	20.0	5.0	19.8			
EMW-6S	shallow		199487.50	1272871.49	16.17	-3.6	20.0	5.0	19.8			
EMW-7S	shallow		199379.09	1272655.29	16.71	-3.1	20.0	5.0	19.8			
EMW-8S	shallow		199223.49	1272897.26	16.55	-3.3	20.0	5.0	19.8			
EMW-9S	shallow		199146.84	1273044.63	16.63	-3.2	20.0	5.0	19.8			
EMW-10D	intermediate		199094.38	1272714.09	16.82	-33.0	50.0	40.0	49.8			
EMW-11S	shallow		199007.93	1272657.71	16.61	-3.2	20.0	5.0	19.8			
EMW-12S	shallow	Х	198751.82	1272670.76	16.81	-3.0	20.0	5.0	19.8			
EMW-13S	shallow	Х	198667.92	1272788.91	16.39	-3.4	20.0	5.0	19.8			
EMW-14D	intermediate	Х	198695.81	1272872.68	16.42	-33.1	49.7	39.5	49.5			
EMW-15D	intermediate	Х	198939.73	1273164.77	16.07	-33.4	49.7	39.5	49.5			
EMW-16D	intermediate	Х	198688.30	1272699.81	16.52	-32.8	49.5	39.5	49.3			
EMW-17S	shallow		199365.38	1272611.79	16.04	-4.0	20.3	5.0	20.0			
EMW-18S	shallow		199134.80	1272603.63	15.21	-4.8	20.3	5.0	20.0			
EMW-19D	deep		199096.93	1272734.26	16.50	-63.5	80.3	75.0	80.0			
EMW-20D	deep	Х	198936.36	1273157.51	15.97	-64.0	80.3	75.0	80.0			
EMW-21D	deep	Х	198670.55	1272750.99	16.18	-63.8	80.3	75.0	80.0			
EMW-22D	deep	Х	199362.73	1273355.76	15.98	-64.0	80.3	75.0	80.0			
Stilling Well			198912.40	1273224.34	17.1							
Notes												

ft = feet

Notes

1 For zone: "shallow" = up to 20 feet (approx); "intermediate" = 40 to 50 feet; "deep" = 75 to 80 feet.
2 Horizontal datum is North American Datum 83 State Plane Washington north, US feet.

³ Top of casing elevations were surveyed relative to the NAVD 88 datum by Signature Surveying & Mapping (for Phase 1 wells) and by APS Surveyors (for Phase 2

wells).

4 Well installation details (total constructed well depth, top of screen and bottom of screen) are estimated from the boring log. btoc = below top of casing

Table D-11 **RI Groundwater Monitoring Summary** 8th Avenue Terminals, Inc. Site

	Top of Casing		Depth to	Groundwater	Depth to Surfac	e
Well	Elevation ^a	Date	Groundwater ^b	Elevation	Water ^b	Surface Water
Number	(feet)	Measured	(feet)	(feet)	(feet)	Elevation (feet)
Slip 4 Stilling	Well	·				<u> </u>
		7/10/2013	-	-	19.57 ^c	-2.47
Stilling	17.10	9/23/2013	-	-	8.27 ^d	8.83
Well		10/2/2013	-	-	16.42 ^c	0.68
hallow Grou	ndwater Monitorir	ng Wells	<u> </u>			I
		7/10/2013	10.60 ^c	5.50	-	-
	15.10	9/23/2013	9.44 ^d	6.66	-	-
CMW-1	16.10	10/2/2013	9.83 ^c	6.27	-	-
		12/15/2014	8.45	7.65		
		7/10/2013	12.17 ^c	4.13	-	-
CN 414 2	46.20	9/23/2013	7.60 ^d	8.70	-	-
CMW-2	16.30	10/2/2013	11.65 ^c	4.65	-	-
		12/15/2014	11.02	5.28		
		7/10/2013	14.51 ^c	1.95	-	-
CN AVA / 2	4.6.46	9/23/2013	9.96 ^d	6.50	-	-
CMW-3	16.46	10/2/2013	12.99 ^c	3.47	-	-
		12/18/2014	12.6	3.86		
		7/10/2013	14.10 ^c	1.91	-	-
CMW-4	16.01	9/23/2013	NM		-	-
CIVIVV-4	16.01	10/2/2013	NM		-	-
		12/18/2014	12.48	3.53		
		7/10/2013	14.97 ^c	1.63	-	-
CMW-5	16.60	9/23/2013	10.38 ^d	6.22	-	-
CIVIVV	10.00	10/2/2013	13.32 ^c	3.28	-	-
		12/22/2014	13.48	3.12		
		7/10/2013	15.13 ^c	1.29	-	-
CMW-6	16.42	9/23/2013	9.94 ^d	6.48	-	-
CIVIVV-0	10.42	10/2/2013	13.43 ^c	2.99	-	-
		12/16/2014	12.02	4.40		
		7/10/2013	15.24 ^c	1.20	-	-
CMW-7	16.44	9/23/2013	9.37 ^d	7.07	-	-
CIVIVV-7	10.44	10/2/2013	13.58 ^c	2.86	-	-
		12/16/2014	13.09	3.35		
		7/10/2013	12.74 ^c	3.72	-	-
DN4)A/ 2	16.46	9/23/2013	11.01 ^d	5.45	-	-
DMW-2	16.46	10/2/2013	11.86 ^c	4.60	-	-
		12/16/2014	9.11	7.35		
		7/10/2013	12.85 ^c	3.62	-	-
DMW-3	16.47	9/23/2013	10.81 ^d	5.66	-	-
ווייט פיייטוע	10.47	10/2/2013	12.06 ^c	4.41	-	-
		12/18/2014	8.94	7.53		
		7/10/2013	13.43 ^c	2.96	-	-
DMW-6	16.39	9/23/2013	10.56 ^d	5.83	-	-
		10/2/2013	12.33 ^c	4.06	-	-
DMW-6A	16.38	12/17/2014	10.56	5.82		
		7/10/2013	13.98 ^c	2.47	-	-
HC-4	16.45	9/23/2013	10.00 ^d	6.45	-	-
		10/2/2013	12.73 ^c	3.72	-	-
		7/10/2013	NM		_	-
HC-19	16.57	9/23/2013	NM		-	-
		10/2/2013	NM		-	-
		7/10/2013	12.78 ^c	3.88	-	-
HC-20	16.66	9/23/2013	11.33 ^d	5.33	-	-
20	10.00	10/2/2013	11.96 ^c	4.70	-	-
		12/16/2014	9.38	7.28	-	-
T		7/10/2013	7.12 ^c	4.93	-	-
SLR-1	12.05	9/23/2013	6.14 ^d	5.91	-	-
. =		10/2/2013	NM		-	-
		12/18/2014	5.2	6.85	-	-
		7/10/2013	6.31 ^c	4.94	-	-
SLR-2	11.26	9/23/2013	5.00 ^d	6.25	-	-
		10/2/2013	4.02c	7.23	-	-
		12/17/2014	3.83	7.43	-	-
		7/10/2013	7.71c	4.15	-	-
			[[A74]	6 20 l		
SLR-3	11.86	9/23/2013 10/2/2013	5.47d 6.77c	6.39 5.09	-	-

Table D-11 **RI Groundwater Monitoring Summary** 8th Avenue Terminals, Inc. Site

	Top of Casing	T	venue Terminal Depth to	Groundwater	Depth to Surface	<u> </u>
Well	Elevation ^a	Date	Groundwater ^b	Elevation	Water ^b	Surface Water
Number	(feet)	Measured	(feet)	(feet)	(feet)	Elevation (feet)
	(1004)	7/10/2013	8.87c	3.50	(1001)	
		9/23/2013	6.44d	5.93	_	_
SLR-6	12.37	10/2/2013	7.80c	4.57	<u>-</u>	_
		12/17/2014	6.85	5.52	_	_
		7/10/2013	9.48c	4.67	_	_
		9/23/2013	8.60d	5.55	-	_
SLR-7	14.15	10/2/2013	8.60c	5.55	-	_
		12/15/2014	6.75	7.40	-	-
		7/10/2013	10.25c	5.88	-	-
EN 4) 4 / 1 C	16.12	9/23/2013	10.18d	5.95	-	-
EMW-1S	16.13	10/2/2013	9.94c	6.19	-	-
		12/15/2014	7.95	8.18	-	-
		7/10/2013	8.88c	3.78	-	-
EMW-2S	12.66	9/23/2013	6.52d	6.14	-	-
LIVIVV-23	12.00	10/2/2013	7.86c	4.80	-	-
		12/17/2014	6.91	5.75	_	-
		7/10/2013	14.14c	2.29	-	-
EMW-3S	16.43	9/23/2013	9.72d	6.71	-	-
2.0.00	10.13	10/2/2013	12.51c	3.92	-	-
		12/15/2014	10.42	6.01	-	-
		7/10/2013	13.18c	3.46	-	-
EMW-5S	16.64	9/23/2013	10.51d	6.13	-	-
		10/2/2013	12.09c	4.55	-	-
EMW-5Sa	16.34	12/15/2014	9.54	7.10	-	-
		7/10/2013	11.71c	4.46	-	-
EMW-6S	16.17	9/23/2013	10.51d	5.66	-	-
		10/2/2013	10.81c	5.36	-	-
		12/15/2014	7.35	8.82	-	-
		7/10/2013	12.58c	4.13	-	-
EMW-7S	16.71	9/23/2013	11.04d	5.67	-	-
		10/2/2013	11.77c	4.94	-	-
		12/16/2014	8.92	7.79		
		7/10/2013	12.98c	3.57	-	-
EMW-8S	16.55	9/23/2013	10.57d	5.98	-	-
		10/2/2013	11.95c	4.60	-	-
		12/17/2014	9.86 13.60c	6.69	-	-
		7/10/2013 9/23/2013	13.60c 10.37d	3.03 6.26	-	-
EMW-9S	16.63	10/2/2013	10.37d 12.41c	4.22	-	_
		12/17/2014	10.32	6.31	-	_
EMW-10D	16.82	12/17/2014	9.04	7.78		
LIVIW 10D	10.02	7/10/2013	12.93c	3.68		_
		9/23/2013	10.97d	5.64	_	_
EMW-11S	16.61	10/2/2013	12.06c	4.55	_	_
		12/16/2014	8.99	7.62	<u>-</u>	_
		7/10/2013	14.95c	1.86	_	_
		9/23/2013	10.14d	6.67	_	_
EMW-12S	16.81	10/2/2013	13.45c	3.36	-	-
		12/19/2014	13.25	3.56	-	_
		7/10/2013	13.49 ^c	2.90	-	-
		9/23/2013	8.99 ^d	7.40	-	_
EMW-13S	16.39	1	8.99 12.03 ^c	4.36	_	_
		10/2/2013 12/16/2014	12.03		-	_
ntormodiate s	and Deep Groundy			5.75	-	-
ntermediate a	and Deep Groundy			1.09		
		7/10/2013	15.71 ^c		-	-
EMW-4D	16.80	9/23/2013	9.52 ^d	7.28	-	-
		10/2/2013	13.81 ^c	2.99	-	-
		12/15/2014	9.46	7.34	-	-
		7/10/2013	13.09 ^c	3.73	-	-
ENAVA 100	16.00	9/23/2013	11.00 ^d	5.82	-	-
EMW-10D	16.82	10/2/2013	12.29 ^c	4.53	-	_
		12/17/2014	9.04	7.78	-	_
		7/10/2013	15.14 ^c	1.28	-	-
		9/23/2013	9.80 ^d	6.62	_	_
EMW-14D	16.42		1		-	_
		10/2/2013	13.51 ^c	2.91	-	-
		12/16/2014	10.86	5.56	-	-
		7/10/2013	14.86 ^c	1.21	-	-
EMW-15D	16.07	9/23/2013	NM		-	-
	_3.57	10/2/2013	13.02 ^c	3.05	-	-
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Table D-11 RI Groundwater Monitoring Summary 8th Avenue Terminals, Inc. Site

	Top of Casing		Depth to	Groundwater	Depth to Surface	
Well Number	Elevation ^a (feet)	Date Measured	Groundwater ^b (feet)	Elevation (feet)	Water ^b (feet)	Surface Water Elevation (feet)
		7/10/2013	15.86 ^c	0.66	-	-
EMW-16D	16.52	9/23/2013	9.14 ^d	7.38	-	-
EINIM-10D	10.32	10/2/2013	13.97 ^c	2.55	-	-
		12/16/2014	11.53	4.99	-	-
EMW-17S	16.04	12/18/2014	8.5	7.54		
EMW-18S	15.21	12/17/2014	7.72	7.49		
EMW-19D	16.50	12/18/2014	8.78	7.72		
EMW-20D	15.97	12/16/2014	8.00	7.97		
EMW-21D	16.18	12/16/2014	7.47	8.71		
EMW-22D	15.98	12/17/2014	7.89	8.09		

Notes:

LDW = Lower Duwamish Waterway; NM = not measured because well was not accesible

^a Top of casing elevations were surveyed relative to the NAVD 88 datum by Signature Surveying & Mapping.

^b Measurements in feet below the top of the well casing

 $^{^{\}rm c}$ Measured during low tide conditions in the LDW.

 $^{^{\}rm d}$ Measured during high tide conditions in the LDW.