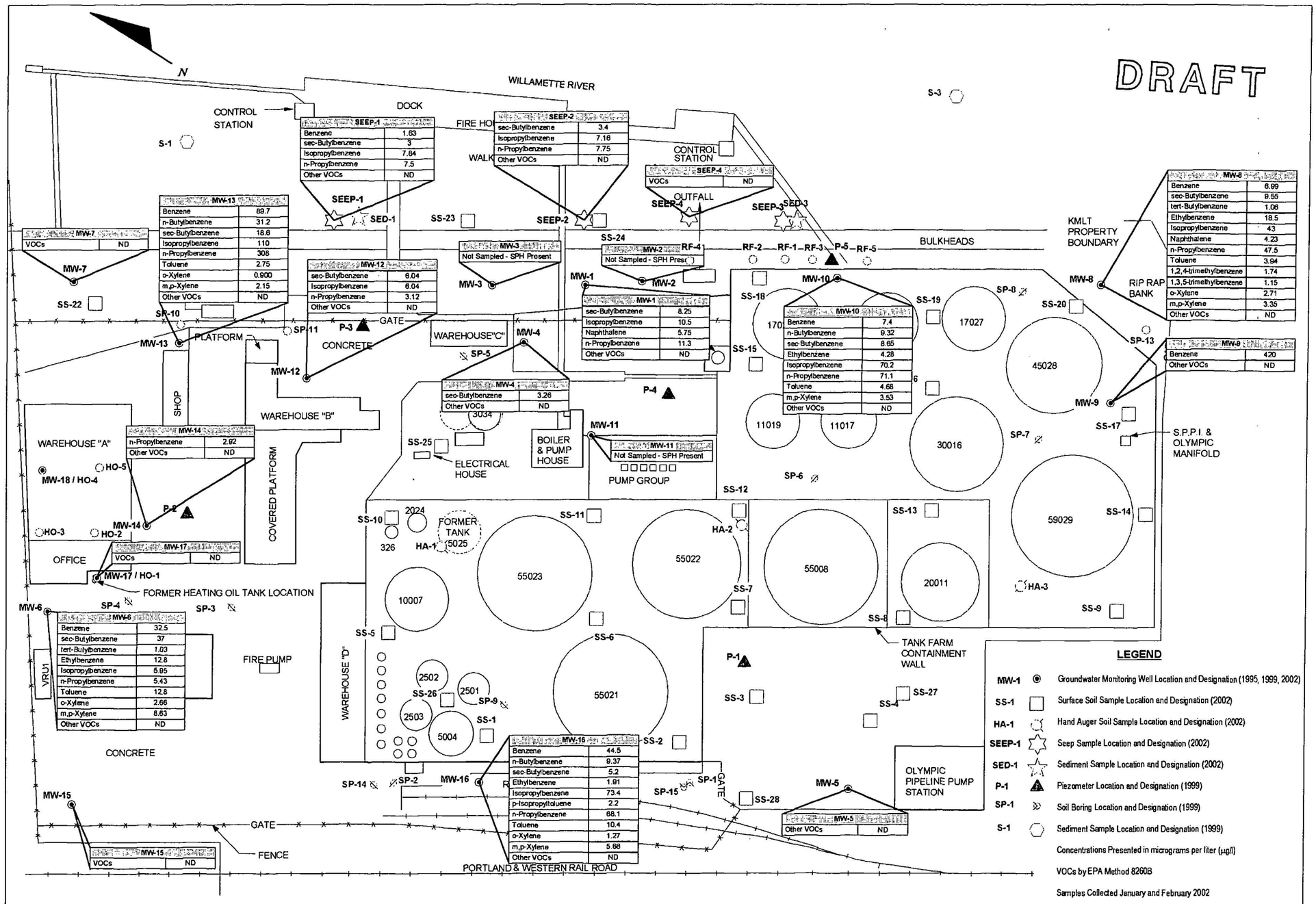
PORSF
11.3.18.1 V11



SEEP-1	
Benzene	1.63
sec-Butylbenzene	3
Isopropylbenzene	7.84
n-Propylbenzene	7.5
Other VOCs	ND

SEEP-2	
sec-Butylbenzene	3.4
Isopropylbenzene	7.16
n-Propylbenzene	7.75
Other VOCs	ND

SEEP-4	
VOCs	ND

MW-13	
Benzene	89.7
n-Butylbenzene	31.2
sec-Butylbenzene	18.6
Isopropylbenzene	110
n-Propylbenzene	308
Toluene	2.75
o-Xylene	0.900
m,p-Xylene	2.15
Other VOCs	ND

MW-7	
VOCs	ND

MW-12	
sec-Butylbenzene	6.04
Isopropylbenzene	6.04
n-Propylbenzene	3.12
Other VOCs	ND

MW-3
Not Sampled - SPH Present

MW-2
Not Sampled - SPH Present

MW-1	
sec-Butylbenzene	8.25
Isopropylbenzene	10.5
Naphthalene	5.75
n-Propylbenzene	11.3
Other VOCs	ND

MW-10	
Benzene	7.4
n-Butylbenzene	9.32
sec-Butylbenzene	8.65
Ethylbenzene	4.28
Isopropylbenzene	70.2
n-Propylbenzene	71.1
Toluene	4.66
m,p-Xylene	3.53
Other VOCs	ND

MW-8	
Benzene	6.99
sec-Butylbenzene	9.55
tert-Butylbenzene	1.06
Ethylbenzene	18.5
Isopropylbenzene	43
Naphthalene	4.23
n-Propylbenzene	47.5
Toluene	3.94
1,2,4-trimethylbenzene	1.74
1,3,5-trimethylbenzene	1.15
o-Xylene	2.71
m,p-Xylene	3.35
Other VOCs	ND

MW-9	
Benzene	420
Other VOCs	ND

MW-4	
sec-Butylbenzene	3.26
Other VOCs	ND

MW-11
Not Sampled - SPH Present

MW-14	
n-Propylbenzene	2.92
Other VOCs	ND

MW-17	
VOCs	ND

MW-6	
Benzene	32.5
sec-Butylbenzene	37
tert-Butylbenzene	1.03
Ethylbenzene	12.8
Isopropylbenzene	5.95
n-Propylbenzene	5.43
Toluene	12.8
o-Xylene	2.66
m,p-Xylene	8.63
Other VOCs	ND

MW-16	
Benzene	44.5
n-Butylbenzene	9.37
sec-Butylbenzene	5.2
Ethylbenzene	1.91
Isopropylbenzene	73.4
p-Isopropyltoluene	2.2
n-Propylbenzene	68.1
Toluene	10.4
o-Xylene	1.27
m,p-Xylene	5.68
Other VOCs	ND

MW-5	
Other VOCs	ND

MW-15	
VOCs	ND

LEGEND

MW-1	Groundwater Monitoring Well Location and Designation (1995, 1999, 2002)
SS-1	Surface Soil Sample Location and Designation (2002)
HA-1	Hand Auger Soil Sample Location and Designation (2002)
SEEP-1	Seep Sample Location and Designation (2002)
SED-1	Sediment Sample Location and Designation (2002)
P-1	Piezometer Location and Designation (1999)
SP-1	Soil Boring Location and Designation (1999)
S-1	Sediment Sample Location and Designation (1999)

Concentrations Presented in micrograms per liter (µg/l)

VOCs by EPA Method 8260B

Samples Collected January and February 2002

KHM
ENVIRONMENTAL MANAGEMENT INC.

DESIGNED BY
DRAWN BY
CHECKED BY
APPROVED BY

GROUNDWATER ANALYTICAL RESULTS - VOCS

Kinder Morgan Liquid Terminals LLC
Linnton Terminal
11400 NW St. Helens Road
Portland, Oregon

DATE	PROJECT	DRAWING
8/28/02	B30-01F	16

USEPA SF
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