

Summary Report

Mary Martino
Kinder Morgan-Colorado Springs
2 North Nevada Avenue
Colorado Springs, CO 80903

Report Date: August 17, 2016

Work Order: 16081207



Project Location: Lea County, NM
Project Name: EPNG Line 3031 Spike Test
Project Number: AFE 403828

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
426313	Rupture #7 Release	water	2016-08-09	10:00	2016-08-11
426316	Rupture #8 Release	water	2016-08-11	09:30	2016-08-11

Sample - Field Code	TPH DRO DRO (mg/L)	TPH GRO GRO (mg/L)
426313 - Rupture #7 Release	<5.00	6.36
426316 - Rupture #8 Release	<5.00	6.13

Sample: 426313 - Rupture #7 Release

Param	Flag	Result	Units	RL
Chloride		82.1	mg/L	2.5
Bromochloromethane		<5.00	µg/L	1
Dichlorodifluoromethane	Qc, Qr	<5.00	µg/L	1
Chloromethane (methyl chloride)		<5.00	µg/L	1
Vinyl Chloride		<5.00	µg/L	1
Bromomethane (methyl bromide)		<25.0	µg/L	5
Chloroethane		<5.00	µg/L	1
Trichlorofluoromethane		<5.00	µg/L	1
Acetone	Qc	<50.0	µg/L	10
Iodomethane (methyl iodide)		<25.0	µg/L	5
Carbon Disulfide		18.4	µg/L	1
Acrylonitrile		<5.00	µg/L	1
2-Butanone (MEK)	Qc, Qr	<25.0	µg/L	5
4-Methyl-2-pentanone (MIBK)		<25.0	µg/L	5
2-Hexanone	Qc	<25.0	µg/L	5

continued ...

sample 426313 continued ...

Param	Flag	Result	Units	RL
trans 1,4-Dichloro-2-butene	Qc	<50.0	µg/L	10
1,1-Dichloroethene		<5.00	µg/L	1
Methylene chloride		<25.0	µg/L	5
MTBE		<5.00	µg/L	1
trans-1,2-Dichloroethene		<5.00	µg/L	1
1,1-Dichloroethane		<5.00	µg/L	1
cis-1,2-Dichloroethene		<5.00	µg/L	1
2,2-Dichloropropane	Qc	<5.00	µg/L	1
1,2-Dichloroethane (EDC)		<5.00	µg/L	1
Chloroform		<5.00	µg/L	1
1,1,1-Trichloroethane		<5.00	µg/L	1
1,1-Dichloropropene		<5.00	µg/L	1
Benzene		37.2	µg/L	1
Carbon Tetrachloride		<5.00	µg/L	1
1,2-Dichloropropane		<5.00	µg/L	1
Trichloroethene (TCE)		<5.00	µg/L	1
Dibromomethane (methylene bromide)		<5.00	µg/L	1
Bromodichloromethane		<5.00	µg/L	1
2-Chloroethyl vinyl ether		<25.0	µg/L	5
cis-1,3-Dichloropropene		<5.00	µg/L	1
trans-1,3-Dichloropropene		<5.00	µg/L	1
Toluene		6.81	µg/L	1
1,1,2-Trichloroethane		<5.00	µg/L	1
1,3-Dichloropropane		<5.00	µg/L	1
Dibromochloromethane		<5.00	µg/L	1
1,2-Dibromoethane (EDB)		<5.00	µg/L	1
Tetrachloroethene (PCE)		<5.00	µg/L	1
Chlorobenzene		<5.00	µg/L	1
1,1,1,2-Tetrachloroethane		<5.00	µg/L	1
Ethylbenzene		<5.00	µg/L	1
m,p-Xylene		<5.00	µg/L	1
Bromoform		<5.00	µg/L	1
Styrene		<5.00	µg/L	1
o-Xylene		<5.00	µg/L	1
1,1,2,2-Tetrachloroethane		<5.00	µg/L	1
2-Chlorotoluene		<5.00	µg/L	1
1,2,3-Trichloropropane		<5.00	µg/L	1
Isopropylbenzene		<5.00	µg/L	1
Bromobenzene		<5.00	µg/L	1
n-Propylbenzene		<5.00	µg/L	1
1,3,5-Trimethylbenzene		<5.00	µg/L	1
tert-Butylbenzene		<5.00	µg/L	1
1,2,4-Trimethylbenzene		<5.00	µg/L	1
1,4-Dichlorobenzene (para)		<5.00	µg/L	1
sec-Butylbenzene		<5.00	µg/L	1
1,3-Dichlorobenzene (meta)		<5.00	µg/L	1
p-Isopropyltoluene		<5.00	µg/L	1

continued ...

sample 426313 continued ...

Param	Flag	Result	Units	RL
4-Chlorotoluene		<5.00	µg/L	1
1,2-Dichlorobenzene (ortho)		<5.00	µg/L	1
n-Butylbenzene		<5.00	µg/L	1
1,2-Dibromo-3-chloropropane		<25.0	µg/L	5
1,2,3-Trichlorobenzene		<25.0	µg/L	5
1,2,4-Trichlorobenzene		<25.0	µg/L	5
Naphthalene		<25.0	µg/L	5
Hexachlorobutadiene		<25.0	µg/L	5

Sample: 426316 - Rupture #8 Release

Param	Flag	Result	Units	RL
Chloride		94.1	mg/L	2.5
Bromochloromethane		<5.00	µg/L	1
Dichlorodifluoromethane	Qc, Qr	<5.00	µg/L	1
Chloromethane (methyl chloride)		<5.00	µg/L	1
Vinyl Chloride		<5.00	µg/L	1
Bromomethane (methyl bromide)		<25.0	µg/L	5
Chloroethane		<5.00	µg/L	1
Trichlorofluoromethane		<5.00	µg/L	1
Acetone	Qc	<50.0	µg/L	10
Iodomethane (methyl iodide)		<25.0	µg/L	5
Carbon Disulfide		16.1	µg/L	1
Acrylonitrile		<5.00	µg/L	1
2-Butanone (MEK)	Qc, Qr	<25.0	µg/L	5
4-Methyl-2-pentanone (MIBK)		<25.0	µg/L	5
2-Hexanone	Qc	<25.0	µg/L	5
trans 1,4-Dichloro-2-butene	Qc	<50.0	µg/L	10
1,1-Dichloroethene		<5.00	µg/L	1
Methylene chloride		<25.0	µg/L	5
MTBE		<5.00	µg/L	1
trans-1,2-Dichloroethene		<5.00	µg/L	1
1,1-Dichloroethane		<5.00	µg/L	1
cis-1,2-Dichloroethene		<5.00	µg/L	1
2,2-Dichloropropane	Qc	<5.00	µg/L	1
1,2-Dichloroethane (EDC)		<5.00	µg/L	1
Chloroform		<5.00	µg/L	1
1,1,1-Trichloroethane		<5.00	µg/L	1
1,1-Dichloropropene		<5.00	µg/L	1
Benzene		32.9	µg/L	1
Carbon Tetrachloride		<5.00	µg/L	1
1,2-Dichloropropane		<5.00	µg/L	1
Trichloroethene (TCE)		<5.00	µg/L	1
Dibromomethane (methylene bromide)		<5.00	µg/L	1
Bromodichloromethane		<5.00	µg/L	1
2-Chloroethyl vinyl ether		<25.0	µg/L	5

continued ...

sample 426316 continued ...

Param	Flag	Result	Units	RL
cis-1,3-Dichloropropene		<5.00	µg/L	1
trans-1,3-Dichloropropene		<5.00	µg/L	1
Toluene		6.75	µg/L	1
1,1,2-Trichloroethane		<5.00	µg/L	1
1,3-Dichloropropane		<5.00	µg/L	1
Dibromochloromethane		<5.00	µg/L	1
1,2-Dibromoethane (EDB)		<5.00	µg/L	1
Tetrachloroethene (PCE)		<5.00	µg/L	1
Chlorobenzene		<5.00	µg/L	1
1,1,1,2-Tetrachloroethane		<5.00	µg/L	1
Ethylbenzene		<5.00	µg/L	1
m,p-Xylene		<5.00	µg/L	1
Bromoform		<5.00	µg/L	1
Styrene		<5.00	µg/L	1
o-Xylene		<5.00	µg/L	1
1,1,2,2-Tetrachloroethane		<5.00	µg/L	1
2-Chlorotoluene		<5.00	µg/L	1
1,2,3-Trichloropropane		<5.00	µg/L	1
Isopropylbenzene		<5.00	µg/L	1
Bromobenzene		<5.00	µg/L	1
n-Propylbenzene		<5.00	µg/L	1
1,3,5-Trimethylbenzene		<5.00	µg/L	1
tert-Butylbenzene		<5.00	µg/L	1
1,2,4-Trimethylbenzene		<5.00	µg/L	1
1,4-Dichlorobenzene (para)		<5.00	µg/L	1
sec-Butylbenzene		<5.00	µg/L	1
1,3-Dichlorobenzene (meta)		<5.00	µg/L	1
p-Isopropyltoluene		<5.00	µg/L	1
4-Chlorotoluene		<5.00	µg/L	1
1,2-Dichlorobenzene (ortho)		<5.00	µg/L	1
n-Butylbenzene		<5.00	µg/L	1
1,2-Dibromo-3-chloropropane		<25.0	µg/L	5
1,2,3-Trichlorobenzene		<25.0	µg/L	5
1,2,4-Trichlorobenzene		<25.0	µg/L	5
Naphthalene		<25.0	µg/L	5
Hexachlorobutadiene		<25.0	µg/L	5