

Table 1
2RP-3976
Assessment Soil Sample Analytical Data Summary
XTO Energy, Inc., Nash Draw #42 CTB Crude Oil Spill
UL E (SW/4, NW/4), S-18, T-23 South, R-30 East
N32° 18' 23.14277" W103° 55' 29.89976"
Eddy County, New Mexico

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Sample	Depth (Feet)	Collection Date	Status	PID (ppm)	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	ORO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
OCD RRAL:					10	50				1,000	*600
DP-1	0 - 1	03/14/2017	In-situ	1.8	--	--	<27.5	<27.5	<27.5	<27.5	17.4
DP-2	0 - 1	03/14/2017	In-situ	1,380	4.75	147.75	5,730	16,900	2,760	25,400	62.9
	1 - 2	03/14/2017	In-situ	232.3	0.00702	0.1863	72.9	614	102	788.9	53.9
	2 - 3	03/14/2017	In-situ	16.3	--	--	<28.7	<28.7	<28.7	<28.7	33.9
	3 - 4	03/14/2017	In-situ	2.9	--	--	--	--	--	--	--
	4 - 5	03/14/2017	In-situ	1.8	--	--	--	--	--	--	--
	5 - 6	03/14/2017	In-situ	1.8	<0.00116	<0.00794	<29.1	<29.1	<29.1	<29.1	<1.16
DP-3	0 - 1	03/14/2017	In-situ	1,236	5.23	140.53	5,380	10,800	1,650	17,800	10.5
	1 - 2	03/14/2017	In-situ	90.2	0.0127	0.1708	<30.1	112	<301.	112	11.6
	2 - 3	03/14/2017	In-situ	29.2	--	--	<29.4	<29.4	<29.4	<29.4	12.4
	3 - 4	03/14/2017	In-situ	141.3	--	--	<29.1	<29.1	<29.1	<29.1	9.45
	4 - 5	03/14/2017	In-situ	198.3	--	--	--	--	--	--	--
	5 - 6	03/14/2017	In-situ	13.6	--	--	--	--	--	--	--
	6 - 7	03/14/2017	In-situ	25	--	--	--	--	--	--	--
	7 - 8	03/14/2017	In-situ	231.2	<0.00116	<0.00794	<29.1	<29.1	<29.1	<29.1	8.31
DP-4	0 - 1	03/14/2017	In-situ	1,250	0.807	10.86	999	5,060	844	6,900	43.4
	1 - 2	03/14/2017	In-situ	118.6	0.0056	0.0056	<29.8	<29.8	<29.8	<29.8	33.9
	2 - 3	03/14/2017	In-situ	39.4	--	--	<28.4	<28.4	<28.4	<28.4	22.1
	3 - 4	03/14/2017	In-situ	12.5	--	--	--	--	--	--	--
	4 - 5	03/14/2017	In-situ	26.8	--	--	--	--	--	--	--
	5 - 6	03/14/2017	In-situ	53.5	<0.00112	<0.00786	<28.1	<28.1	<28.1	<28.1	106

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DP-5	0 - 1	03/14/2017	In-situ	2.2	--	--	<27.5	<27.5	<27.5	<27.5	12.5
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Sample	Depth (Feet)	Collection Date	Status	PID (ppm)	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	ORO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
OCD RRAL:					10	50				1,000	*600
	1 - 2	03/14/2017	In-situ	3.7	--	--	<27.8	<27.8	<27.8	<27.8	9.41
DP-6	0 - 1	03/13/2017	In-situ	1,155	8.87	230.27	7,900	20,400	3,330	31,700	145
	1 - 2	03/13/2017	In-situ	1,836	18.9	439.6	12,800	15,200	2,780	30,800	9.57
	2 - 3	03/13/2017	In-situ	1,622	9.16	254.36	10,500	12,300	2,240	25,100	9.72
	3 - 4	03/13/2017	In-situ	1,328	0.54	19.414	1,160	2,210	358	3,720	8.75
	4 - 5	03/13/2017	In-situ	841.9	<0.00115	0.05052	95.2	363	60.2	518.4	8.86
	5 - 6	03/13/2017	In-situ	11.5	<0.00115	<0.04945	<28.7	129	47.3	176.3	<1.16
	6 - 7	03/13/2017	In-situ	54	<0.00114	<0.00796	<28.4	<28.4	<28.4	<28.4	<1.14
DP-7	0 - 1	03/13/2017	In-situ	4.1	--	--	239	3,300	625	4,160	22.4
	1 - 2	03/13/2017	In-situ	1.9	--	--	<29.1	78.8	<29.1	78.8	19.3
	2 - 3	03/13/2017	In-situ	1.9	--	--	--	--	--	--	--
	3 - 4	03/13/2017	In-situ	4.2	--	--	--	--	--	--	--
	4 - 5	03/13/2017	In-situ	4.7	--	--	--	--	--	--	--
	5 - 6	03/13/2017	In-situ	12.2	--	--	--	--	--	--	--
	6 - 7	03/13/2017	In-situ	5.6	--	--	--	--	--	--	--
	7 - 8	03/13/2017	In-situ	39.5	<0.00111	<0.00777	<27.8	<27.8	<27.8	<27.8	137
DP-8	0 - 1	03/13/2017	In-situ	1,104	4.16	110.56	7,320	13,600	2,190	23,100	32.1
	1 - 2	03/13/2017	In-situ	1,334	1.42	28.47	8,260	11,100	1,910	21,300	13.5
	2 - 3	03/13/2017	In-situ	115.8	--	--	38	238	58	334	6.29
	3 - 4	03/13/2017	In-situ	43.1	--	--	--	--	--	--	--
	4 - 5	03/13/2017	In-situ	86.2	--	--	--	--	--	--	--

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	5 - 6	03/13/2017	In-situ	8.5	<0.00111	<0.00777	<27.8	<27.8	<27.8	<27.8	<1.11
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Sample	Depth (Feet)	Collection Date	Status	PID (ppm)	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	ORO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
OCD RRAL:				10	50	1,000				*600	
DP-9	0 - 1	03/13/2017	In-situ	5.6	--	--	<27.2	<27.2	<27.2	<27.2	16.0
	1 - 2	03/13/2017	In-situ	4.5	--	--	<28.1	<28.1	<28.1	<28.1	9.15
DP-10	0 - 1	03/13/2017	In-situ	116.7	1.53	49.730	10,400	22,900	3,720	37,000	7.34
	1 - 2	03/13/2017	In-situ	590.5	0.195	4.571	152	531	<144	683	7.48
	2 - 3	03/13/2017	In-situ	48.7	--	--	<29.4	<29.4	<29.4	<29.4	5.28
	3 - 4	03/13/2017	In-situ	24	--	--	--	--	--	--	--
	4 - 5	03/13/2017	In-situ	367.4	--	--	--	--	--	--	--
	5 - 6	03/13/2017	In-situ	12.7	--	--	--	--	--	--	--
	6 - 7	03/13/2017	In-situ	20.3	--	--	--	--	--	--	--
	7 - 8	03/13/2017	In-situ	3.4	<0.00111	<0.00777	44.5	<27.8	<27.8	44.5	174
DP-11	0 - 1	03/13/2017	In-situ	11.2	--	--	<27.8	<27.8	<27.8	<27.8	14.8
	1 - 2	03/13/2017	In-situ	6.4	--	--	<29.4	<29.4	<29.4	<29.4	162
	2 - 3	03/13/2017	In-situ	6.4	--	--	--	--	--	--	--
	3 - 4	03/13/2017	In-situ	1.8	--	--	--	--	--	--	--
	4 - 5	03/13/2017	In-situ	4.2	--	--	--	--	--	--	--
	5 - 6	03/13/2017	In-situ	101.3	--	--	<27.8	156	50.3	206.3	702
	10 - 11	08/10/2017	In-situ	--	--	--	--	--	--	--	<1.19
	15 - 16	08/10/2017	In-situ	--	--	--	--	--	--	--	194
	20 - 21	08/10/2017	In-situ	--	--	--	--	--	--	--	42.0
	25 - 26	08/10/2017	In-situ	--	--	--	--	--	--	--	36.1
	30 - 31	08/10/2017	In-situ	--	--	--	--	--	--	--	48.0

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DP-12	0 - 1	03/13/2017	In-situ	2.5	--	--	<27.2	122	45.1	167.1	104
	1 - 2	03/13/2017	In-situ	4.7	--	--	<28.1	49.1	<28.1	49.1	145

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Sample	Depth (Feet)	Collection Date	Status	PID (ppm)	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	ORO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
OCD RRAL:					10	50				1,000	*600
	2 - 3	03/13/2017	In-situ	21.9	--	--	--	--	--	--	--
	3 - 4	03/13/2017	In-situ	15.2	--	--	--	--	--	--	--
	4 - 5	03/13/2017	In-situ	7	--	--	--	--	--	--	--
	5 - 6	03/13/2017	In-situ	4.9	--	--	--	--	--	--	--
	6 - 7	03/13/2017	In-situ	27.6	--	--	--	--	--	--	--
	7 - 8	03/13/2017	In-situ	103	<0.00112	<0.0079	<28.1	<28.1	<28.1	<28.1	72.7

Notes: analysis by Permian Basin Environmental Lab, Midland, Texas, by EPA SW-846 Method 8021B (BTEX), Method 8015M (TPH) and Method 300 (chloride)

Depth in inches below ground surface (bgs)

mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)

*: OCD delineation limit

Bold and highlighted denotes analyte detected at concentration above the OCD Recommended Remediation Action Level (RRAL)