TABLE 1

ORGANIC PARAMETERS - FENIMORE LANDFILL (AUGUST 28, 2015)

Sample ID	FIELD BLANK	MW-7	MW-8	MW-201	MW-202	MW-203	FIELD DUP (MW-8)	TRIP BLANK	
Lab Sample ID	**JC2655-7**	**JC2655-1**	**JC2655-2**	**JC2655-3**	**JC2655-4**	**JC2655-5**	**JC2655-6**	**JC2655-8**	**GROUND WATER QUALITY STANDARD**
Date Sampled	**8/28/2015**	**8/28/2015**	**8/28/2015**	**8/28/2015**	**8/28/2015**	**8/28/2015**	**8/28/2015**	**8/28/2015**	
Matrix	**Field Blank**	**Ground Water**	**Ground Water**	**Ground Water**	**Ground Water**	**Ground Water**	**Ground Water**	**Trip Blank Water**	
Volatile Organics									
Benzene	ND (0.24)	ND (0.24)	3.0	1.8	2.0	ND (0.24)	3.1	ND (0.24)	1
Chlorobenzene	ND (0.19)	ND (0.19)	15.7	14.1	1.5	8.7	15.6	ND (0.19)	50
1,2-Dichlorobenzene	ND (0.19)	ND (0.19)	0.79 J	0.69 J	ND (0.19)	0.36 J	0.74 J	ND (0.19)	600
1,3-Dichlorobenzene	ND (0.23)	ND (0.23)	1.3	0.33 J	ND (0.23)	ND (0.23)	1.3	ND (0.23)	600
1,4-Dichlorobenzene	ND (0.27)	ND (0.27)	4.0	3.8	0.94 J	3.0	4.1	ND (0.27)	75
Dichlorodifluoromethane	ND (0.90)	ND (0.90)	3.1	ND (0.90)	ND (0.90)	ND (0.90)	3.2	ND (0.90)	1,000
Isopropylbenzene	ND (0.23)	ND (0.23)	1.9	ND (0.23)	ND (0.23)	ND (0.23)	2.0	ND (0.23)	NS
Toluene	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	0.20 J	ND (0.16)	600
Trichlorofluoromethane	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	0.43 J	ND (0.43)	2,000
m,p-Xylene	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	
o-Xylene	ND (0.17)	ND (0.17)	0.30 J	ND (0.17)	ND (0.17)	ND (0.17)	0.32 J	ND (0.17)	
Xylene (total)	ND (0.17)	ND (0.17)	0.52 J	ND (0.17)	ND (0.17)	ND (0.17)	0.65 J	ND (0.17)	1,000
Total TICs	0	0	0	0	0	0	0	0	
Semi-volatiles									
bis(2-Chloroethyl)ether	ND (0.44)	ND (0.43)	ND (0.45)	ND (0.43)	0.65 J	1.2 J	ND (0.45)	-	7
1,4-Dioxane	ND (0.72)	ND (0.72)	ND (0.74)	1.1	5.5	0.75 J	ND (0.74)	-	10
bis(2-Ethylhexyl)phthalate	3.0 B	ND (0.55)	1.0 JB	3.6 B	7.2 B	ND (0.55)	2.4 B	-	3
Naphthalene	ND (0.27)	ND (0.27)	0.52 J	ND (0.27)	0.42 J	ND (0.27)	0.54 J	-	300
N-Nitrosodiphenylamine	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	0.71 J	ND (0.21)	ND (0.21)	-	10
Pentachlorophenol	ND (0.11)	ND (0.11)	0.621 [c]	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	-	0.3
Total TICs	0	0	240.9 J	22.5 J	188.7 J	38.2 J	344.3 J	-	
Pesticides / Herbicides	ND	ND	ND	ND	ND	ND	ND	NA	
PCBs	ND	ND	ND	ND	ND	ND	ND	NA	

Footnotes:

[a] This compound outside control limits biased low in the associated blank spike.

[b] Elevated detection limit due to dilution required for high interfering element.

[c] There was no sample left to reextract for confirmation.

ND = Not Detected

NA = Not Analyzed

J = Estimated Concentration

TABLE 2
INORGANIC AND FIELD PARAMETERS
FENIMORE LANDFILL GROUND WATER SAMPLES (AUGUST 28, 2015)

Sample ID	FIELD BLANK	FIELD BLANK	MW-7	MW-7	MW-8	MW-8	MW-201	MW-201	MW-202	MW-202	MW-203	MW-203	FIELD DUP (MW-8)	FIELD DUP (MW-8)	
Lab Sample ID	JC2655-7	JC2655-7F	JC2655-1	JC2655-1F	JC2655-2	JC2655-2F	JC2655-3	JC2655-3F	JC2655-4	JC2655-4F	JC2655-5	JC2655-5F	JC2655-6	JC2655-6F	GROUND WATER QUALITY STANDARD (µg/l)
Date Sampled	8/28/2015	8/28/2015	8/28/2015	8/28/2015	8/28/2015	8/28/2015	8/28/2015	8/28/2015	8/28/2015	8/28/2015	8/28/2015	8/28/2015	8/28/2015	8/28/2015	
Matrix	Field Blank Water	Field Blank Filtered	Ground Water	Ground Water Filtered	Ground Water	Ground Water Filtered	Ground Water	Ground Water Filtered	Ground Water	Ground Water Filtered	Ground Water	Ground Water Filtered	Ground Water	Ground Water Filtered	
Metals (µg/l)															
Aluminum	<200	<200	<200	<200	362	<200	2,410	<200	22,000	<200	13,100	<200	327	<200	200
Antimony	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	6
Arsenic	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	3.0	5.4	<3.0	<3.0	<3.0	<3.0	<3.0	3 (5*)
Barium	<200	<200	<200	<200	636	567	214	<200	244	232	<200	<200	642	562	6,000
Beryllium	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1
Cadmium	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	4
Calcium	<5,000	<5,000	28,200	26,900	155,000	157,000	53,800	51,800	44,400	55,300	45,700	53,900	154,000	153,000	NS
Chromium	<10	<10	<10	<10	<10	<10	<10	<10	13.7	<10	<10	<10	<10	<10	70
Cobalt	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NS
Copper	<10	<10	<10	<10	16	<10	<10	<10	35.2	<10	31.8	<10	13.3	<10	1,300
Iron	<100	<100	850	<100	53,800	40,200	36,100	33,000	60,600	56,100	23,200	4,470	54,200	38,900	300
Lead	<3.0	<3.0	<3.0	<3.0	10.3	<3.0	4.4	<3.0	7.8	3.4	6.9	<3.0	11.6	<3.0	5
Magnesium	<5,000	<5,000	9,630	8,880	20,300	20,800	17,800	17,500	21,400	25,900	18,900	20,300	19,900	20,200	NS
Manganese	<15	<15	45.1	23.2	483	496	1,760	1,440	2,220	2,690	10,500	14,800	477	476	50
Mercury	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	2
Nickel	<10	<10	<10	<10	81.3	<10	<10	<10	18.5	<10	11.5	<10	84.9	<10	100
Potassium	<10,000	<10,000	<10,000	<10,000	<10,000	<10,000	15,800	15,600	31,700	39,800	<10,000	<10,000	<10,000	<10,000	NS
Selenium	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	40
Silver	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	40
Sodium	<10,000	<10,000	24,800	23,500	12,200	12,900	46,500	46,600	66,400	85,400	20,000	23,700	12,100	12,200	50,000
Thallium	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0 [b]	<4.0 [b]	<2.0	<2.0	2
Vanadium	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	60
Zinc	<20	<20	<20	<20	243	<20	<20	<20	<20	<20	<20	<20	248	<20	2,000
General Chemistry (mg/l)															**in mg/l**
BOD, 5 Day	<2.0	-	<2.0	-	32	-	24.6	-	26.6	-	<3.4	-	26.7	-	NS
Chemical Oxygen Demand	<20	-	<20	-	52	-	<20	-	46.8	-	<20	-	52	-	NS
Chloride	<2.0	-	81.9	-	18.9	-	75	-	106	-	43.6	-	18.8	-	250**
Cyanide	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	0.2*
Nitrogen, Ammonia	<0.2		<0.2		16.4		16.4		44.8		2.4		<0.2		3
Hydrogen Sulfide	<2.0	-	<2.0	-	<2.0	-	<2.0	-	<2.0	-	<2.0	-	<2.0	-	NS
Solids, Total Dissolved	<10	-	182	-	495	-	373	-	520	-	253	-	580	-	500**
Sulfate	<10	-	<10	-	<10	-	<10	-	<10	-	<10	-	<10	-	250**
Sulfide	<2.0	-	<2.0	-	<2.0	-	<2.0	-	<2.0	-	<2.0	-	<2.0	-	NS
Field Data															
Depth to Water (feet)	-	-	17.79	-	12.65	-	20.55	-	20.35	-	11.13	-	12.65	-	
Specific Conductivity [d]	-	-	396	-	1,230	-	963	-	1,520	-	651	-	1,230	-	
Temperature (°C)	-	-	12.25	-	13.65	-	18.51	-	18.86	-	15.79	-	13.65	-	
pH	-	-	6.13	-	6.32	-	6.11	-	6.66	-	6.44	-	6.32	-	
Dissolved Oxygen (mg/l)	-	-	5.58	-	1.81	-	1.4	-	7.32	-	2.57	-	1.81	-	
eH (ORP as mVolts)	-	-	161	-	-87	-	-77	-	-113	-	-26	-	-87	-	

Footnotes:

[a] This compound outside control limits biased low in the associated BS.
[b] Elevated detection limit due to dilution required for high interfering element.
[c] There is no sample left to reextract for confirmation.
[d] µmhos/cm

* Primary Drinking Water Standard
** Secondary Drinking Water Standard

TABLE 3

BENZENE CONCENTRATION COMPARISON
FENIMORE LANDFILL GROUND-WATER SAMPLES (2005 - 2015)

Well #	MW-7				MW-8				MW-201		MW-202		MW-203	
Date	2005	2011	4/1/2015	8/28/2015	2005	2011	4/1/2015	8/28/2015	4/1/2015	8/28/2015	4/1/2015	8/28/2015	4/1/2015	8/28/2015
Benzene	ND	ND	ND	ND	NS	1.9	2.1	3.0	1.9	1.8	15	2.0	0.27J	ND

Notes:

All results in µg/l (parts per billion)
ND = Not Detected
NS = No Sample
Benzene Ground Water Quality Standard (GWQS) is 1 µg/l
= Exceeds the GWQS
J = Estimated concentration