

APPENDIX C.2

WATER SAMPLE ANALYTICAL RESULTS

Water Analysis Summary for CAM-5, MacKar Inlet

Sample #	Location #	Location Description	1st Round Analysis							
			1	2	3	4	5	6	7	8
C5-B	378	Water Supply Lake	*	*	*	*	*	*	*	*
C5-C	378	Landfill A	*	*	*	*	*	*	*	*
C5-D(R)	371	Landfill A	*	*	*	*	*	*	*	*
C5-E	372	Landfill A	*	*	*	*	*	*	*	*
C5-F	374	Sewage Outfall	*	*	*	*	*	*	*	*
C5-H(4)	377	Landfill A					*			
C5-I(4)	373	Landfill A					*			
F.Blank	-		*	*	*	*	*	*	*	*
T.Blank	-					*		*	*	

1-metals

2-TPH

3-PCB

4-Pesticides

5-Volatile Organics (EPA 8240)

6-Acid Extractable Organics (EPA 8270)

7-Base/Neutral Extractable Organics (EPA 8270)

8-Hg

*-Requested and Reported

 -Reported Results Were Higher Than Assessment Criteria Per Volume 2

Dewline C5 Sites (Water)								
Parameter	MDL	Units	C5-B	C5-C	C5-D(R)	C5-E	C5-F	C5-H(4)
METALS								
Arsenic	0.001	mg/L	<	<	<	<	<	<
Selenium	0.005	mg/L	<	<	<	<	<	<
Mercury	0.05	ug/L	<	<	<	<	<	<
Barium	0.01	mg/L	<	<	<	<	<	<
Beryllium	0.01	mg/L	<	<	<	<	<	<
Cadmium	0.01	mg/L	<	<	<	<	<	<
Chromium	0.01	mg/L	0.13	<	<	0.09	<	<
Lead	0.1	mg/L	<	<	<	<	<	<
Nickel	0.05	mg/L	<	0.31	<	0.09	<	<
Silver	0.05	mg/L	<	<	<	<	<	<
TPH (as diesel)	5	ug/L	<	<	<	<	<	<
PCB	0.01	ug/L	<	<	<	<	<	<
Arochlor 1242	0.05	ug/L	<	<	<	<	<	<
Arochlor 1254	0.05	ug/L	<	<	<	<	<	<
Arochlor 1260	0.05	ug/L	<	<	<	<	<	<
PESTICIDES								
Aldrin	10	ug/L	<	<	<	<	<	<
a-BHC	10	ug/L	<	<	<	<	<	<
b-BHC	10	ug/L	<	<	<	<	<	<
g-BHC (Lindane)	10	ug/L	<	<	<	<	<	<
d-BHC	10	ug/L	<	<	<	<	<	<
p,p'-DDD	10	ug/L	<	<	<	<	<	<
p,p'-DDE	10	ug/L	<	<	<	<	<	<
p,p'-DDT	10	ug/L	<	<	<	<	<	<
Dieldrin	10	ug/L	<	<	<	<	<	<
a-Endosulfan	10	ug/L	<	<	<	<	<	<
b-Endosulfan	10	ug/L	<	<	<	<	<	<
Endosulfan Sulfate	10	ug/L	<	<	<	<	<	<
Heptachlor	10	ug/L	<	<	<	<	<	<
Heptachlor Epoxide	10	ug/L	<	<	<	<	<	<
VOLATILES								
Cl-Methane	2.2	ug/L	<	<	<	<	<	<
Vinyl Chloride	2.9	ug/L	<	<	<	<	<	<
Br-Methane	2.4	ug/L	<	<	<	<	<	<
Cl-Ethane	2.5	ug/L	<	<	<	<	<	<
Cl3F3-Methane	0.3	ug/L	<	<	<	<	<	<
1,1-Cl2-Ethylene	0.36	ug/L	<	<	<	<	<	<
Methylene Chloride	0.33	ug/L	<	<	5.6	6.3	<	21
trans 1,2-Cl2-Ethylene	0.42	ug/L	<	<	<	<	<	<
1,1 Cl2-Ethane	0.51	ug/L	<	<	<	<	<	<
Chloroform	0.36	ug/L	<	<	<	<	<	<
1,1,1-Cl3-Ethane	0.75	ug/L	<	<	<	<	<	<
1,2 Cl2-Ethane	0.39	ug/L	<	<	<	<	<	<
Carbon Tetrachloride	0.3	ug/L	<	<	<	<	<	<

MDL = Method Detection Limit

< = below detection limit

D = Duplicate Sample

R = Replicate Sample

Dewline C5 Sites (Water)								
Parameter	MDL	Units	C5-B	C5-C	C5-D(R)	C5-E	C5-F	C5-H(4)
Benzene	0.2	ug/L	<	<	<	<	9.2	<
1,2-CI2-Propane	0.54	ug/L	<	<	<	<	<	<
CI3-Ethylene	0.3	ug/L	<	<	<	<	<	<
BrCI2-Methane	0.4	ug/L	<	<	<	<	<	<
2-CI-Ethylvinyl ether	2.0	ug/L	<	<	<	<	<	<
cis-1,2-CI2-Propylene	0.69	ug/L	<	<	<	<	<	<
Toluene	0.4	ug/L	<	<	<	<	2.3	<
trans-1,2-CI2-Propylene	1.1	ug/L	<	<	<	<	<	<
1,1,2-CI3-Ethane	0.57	ug/L	<	<	<	<	<	<
CI Br2-Methane	0.42	ug/L	<	<	<	<	<	<
C14-Ethylene	0.15	ug/L	<	<	<	<	<	8.7
CI-Benzene	0.6	ug/L	<	<	<	<	<	<
Ethyl Benzene	0.4	ug/L	<	<	<	<	<	<
Bromoform	0.33	ug/L	<	<	<	<	<	<
1,1,2,2-CI4-ethane	0.36	ug/L	<	<	<	<	<	<
d4-1,2-Dichloroethane		%	100	110	100	98	110	110
d8-Toluene		%	86	100	110	120	120	110
Bromofluorobenzene		%	94	110	110	110	110	110
ACID EXT								
phenol	0.1	ug/L	<	<	<	<	<	<
Bis(2-chloroethyl)ether	0.8	ug/L	<	<	<	<	<	<
2-Chlorophenol	0.7	ug/L	<	<	<	<	<	<
1,3-Dichlorobenzene	2	ug/L	<	<	<	<	<	<
1,4-Dichlorobenzene	2	ug/L	<	<	<	<	<	<
1,2-Dichlorobenzene	2	ug/L	<	<	<	<	<	<
Bis(2-chloroisopropyl)ether	0.5	ug/L	<	<	<	<	<	<
Hexachloroethane	2	ug/L	<	<	<	<	<	<
N-Nitroso-N-Propylamine	0.1	ug/L	<	<	<	<	<	<
Nitrobenzene	2	ug/L	<	<	<	<	<	<
Isophrone	4	ug/L	<	<	<	<	<	<
2-Nitrophenol	0.4	ug/L	<	<	<	<	<	<
2,4-Dimethylphenol	0.7	ug/L	<	<	<	<	<	<
Bis(2-chloroethoxy)methane	0.3	ug/L	<	<	<	<	<	<
2,4-Dichlorophenol	0.2	ug/L	<	<	<	<	<	<
1,2,4-Trichlorobenzene	2	ug/L	<	<	<	<	<	<
Naphthalene	0.3	ug/L	<	<	<	<	<	<
Hexachlorobutadiene	2	ug/L	<	<	<	<	<	<
4-Chloro-3-Methylphenol	0.4	ug/L	<	<	<	<	<	<
Hexachlorocyclopentadiene	2	ug/L	<	<	<	<	<	<
2,4,6-Trichlorophenol	0.2	ug/L	<	<	<	<	<	<
BASE/NEUTRAL								
2-Chloronaphthalene	0.9	ug/L	<	<	<	<	<	<
Acenaphthylene	0.4	ug/L	<	<	<	<	<	<
Dimethyl phthalate	0.1	ug/L	<	<	<	<	<	<
2,6-Dinitrotoluene	0.6	ug/L	<	<	<	<	<	<
Acenaphthene	0.7	ug/L	<	<	<	<	<	<

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Dewline C5 Sites (Water)								
Parameter	MDL	Units	C5-B	C5-C	C5-D(R)	C5-E	C5-F	C5-H(4)
2,4-Dinitrophenol	0.8	ug/L	<	<	<	<	<	
2,4-Dinitrotolulene	0.5	ug/L	<	<	<	<	<	
4-Nitrophenol	0.4	ug/L	<	<	<	<	<	
Fluorene	0.3	ug/L	<	<	<	<	<	
4-Chlorophenylphenylether	0.9	ug/L	<	<	<	<	<	
Diethyl phthalate	0.1	ug/L	<	<	<	<	<	
4,6-Dinitro-2-methylphenol	0.5	ug/L	<	<	<	<	<	
N-Nitrosodiphenylamine	0.9	ug/L	<	<	<	<	<	
4-Bromophenylphenylether	0.3	ug/L	<	<	<	<	<	
Hexachlorobenzene	0	ug/L	<	<	<	<	<	
Pentachlorophenol	0.1	ug/L	<	<	<	<	<	
Phenanthrene	0.3	ug/L	<	<	<	<	<	
Anthracene	0.2	ug/L	<	<	<	<	<	
Di-n-butyl phthalate	0.1	ug/L	3.2	2.2	<	<	1.3	
Fluoranthene	0.2	ug/L	<	<	<	<	<	
Pyrene	0.3	ug/L	<	<	<	<	<	
Benzyl butyl phthalate	0.6	ug/L	<	<	<	<	<	
Benzo(a)Anthracene	0.2	ug/L	<	<	<	<	<	
Chrysene	0.3	ug/L	<	<	<	<	<	
Bis(2-ethylhexyl)phthalate	0.4	ug/L	0.6	<	0.6	<	<	
Di-n-octyl phthalate	0.1	ug/L	<	<	3.1	1.4	0.5	
Benzo(b)fluoranthene	0.4	ug/L	<	<	<	<	<	
Benzo(k)fluoranthene	0.4	ug/L	<	<	<	<	<	
Benzo(a)pyrene	0.5	ug/L	<	<	<	<	<	
Ideno(1,2,3-cd)pyrene	0.6	ug/L	<	<	<	<	<	
Dibenzo(a,h)anthracene	0.4	ug/L	<	<	<	<	<	
Benzo(ghi)perylene	0.4	ug/L	<	<	<	<	<	
d5-Phenol		%	31	33	32	28	28	
d5-Nitrobenzene		%	83	88	85	80	73	
2-Fluorobiphenyl		%	71	80	74	75	70	
2,4,6-Tribromophenol		%	88	100	96	92	100	
d-14-p-Terphenyl		%	94	95	89	95	93	

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Dewline C5 Sites (Water)				
Parameter	MDL	C5-I(4)	F-BLANK	T-BLANK
METALS				
Arsenic	0.001		<	
Selenium	0.005		<	
Mercury	0.05		<	
Barium	0.01		<	
Beryllium	0.01		<	
Cadmium	0.01		<	
Chromium	0.01		<	
Lead	0.1		<	
Nickel	0.05		<	
Silver	0.05		<	
TPH (as diesel)	5		-	
PCB	0.01		<	
Arochlor 1242	0.05		-	
Arochlor 1254	0.05		-	
Arochlor 1260	0.05		-	
PESTICIDES				
Aldrin	10		<	<
a-BHC	10		<	<
b-BHC	10		<	<
g-BHC (Lindane)	10		<	<
d-BHC	10		<	<
p,p'-DDD	10		<	<
p,p'-DDE	10		<	<
p,p'-DDT	10		<	<
Dieldrin	10		<	<
a-Endosulfan	10		<	<
b-Endosulfan	10		<	<
Endosulfan Sulfate	10		<	<
Heptachlor	10		<	<
Heptachlor Epoxide	10		<	<
VOLATILES				
Cl-Methane	2.2	<	<	
Vinyl Chloride	2.9	<	<	
Br-Methane	2.4	<	<	
Cl-Ethane	2.5	<	<	
Cl3F3-Methane	0.3	0.59	0.31	
1,1-C12-Ethylene	0.36	<	<	
Methylene Chloride	0.33	<	18	
trans-1,2-C12-Ethylene	0.42	<	<	
1,1 C12-Ethane	0.51	<	<	
Chloroform	0.36	<	<	
1,1,1-C13-Ethane	0.75	<	<	
1,2 C12-Ethane	0.39	<	<	
Carbon Tetrachloride	0.3	<	<	

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Dewline C5 Sites (Water)				
Parameter	MDL	C5-I(4)	F-BLANK	T-BLANK
Benzene	0.2	<	<	
1,2-CI2-Propane	0.54	<	<	
CI3-Ethylene	0.3	<	<	
BrCI2-Methane	0.4	<	<	
2-CI-Ethylvinyl ether	2.0	<	<	
cis-1,2-CI2-Propylene	0.69	<	<	
Toluene	0.4	<	<	
trans-1,2-CI2-Propylene	1.1	<	<	
1,1,2-CI3-Ethane	0.57	<	<	
CI Br2-Methane	0.42	<	<	
C14-Ethylene	0.15	0.4	<	
CI-Benzene	0.6	<	<	
Ethyl Benzene	0.4	<	<	
Bromoform	0.33	<	<	
1,1,2,2-CI4-ethane	0.36	<	<	
d4-1,2-Dichloroethane		110	100	
d8-Toluene		110	120	
Bromofluorobenzene		110	99	
ACID EXT				
phenol	0.1		<	<
Bis(2-chloroethyl)ether	0.8		<	<
2-Chlorophenol	0.7		<	<
1,3-Dichlorobenzene	2		<	<
1,4-Dichlorobenzene	2		<	<
1,2-Dichlorobenzene	2		<	<
Bis(2-chloroisopropyl)ether	0.5		<	<
Hexachloroethane	2		<	<
N-Nitroso-N-Propylamine	0.1		<	<
Nitrobenzene	2		<	<
Isophrone	4		<	<
2-Nitrophenol	0.4		<	<
2,4-Dimethylphenol	0.7		<	<
Bis(2-chloroethoxy)methane	0.3		<	<
2,4-Dichlorophenol	0.2		<	<
1,2,4-Trichlorobenzene	2		<	<
Naphthalene	0.3		<	<
Hexachlorobutadiene	2		<	<
4-Chloro-3-Methylphenol	0.4		<	<
Hexachlorocyclopentadiene	2		<	<
2,4,6-Trichlorophenol	0.2		<	<
BASE/NEUTRAL				
2-Chloronaphthalene	0.9		<	<
Acenaphthylene	0.4		<	<
Dimethyl phthalate	0.1		<	<
2,6-Dinitrotoluene	0.6		<	<
Acenaphthene	0.7		<	<

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Dewline C5 Sites (Water)				
Parameter	MDL	C5-I(4)	F-BLANK	T-BLANK
2,4-Dinitrophenol	0.8		<	<
2,4-Dinitrotolulene	0.5		<	<
4-Nitrophenol	0.4		<	<
Fluorene	0.3		<	<
4-Chlorophenylphenylether	0.9		<	<
Diethyl phthalate	0.1		<	<
4,6-Dinitro-2-methylphenol	0.5		<	<
N-Nitrosodiphenylamine	0.9		<	<
4-Bromophenylphenylether	0.3		<	<
Hexachlorobenzene	0		<	<
Pentachlorophenol	0.1		<	<
Phenanthrene	0.3		<	<
Anthracene	0.2		<	<
Di-n-butyl phthalate	0.1		<	<
Fluoranthene	0.2		<	<
Pyrene	0.3		<	<
Benzyl butyl phthalate	0.6		<	<
Benzo(a)Anthracene	0.2		<	<
Chrysene	0.3		<	<
Bis(2-ethylhexyl)phthalate	0.4		0.8	57
Di-n-octyl phthalate	0.1		2.1	1.5
Benzo(b)fluoranthene	0.4		<	<
Benzo(k)fluoranthene	0.4		<	<
Benzo(a)pyrene	0.5		<	<
Ideno(1,2,3-cd)pyrene	0.6		<	<
Dibenzo(a,h)anthracene	0.4		<	<
Benzo(ghi)perylene	0.4		<	<
d5-Phenol			29	34
d5-Nitrobenzene			66	74
2-Fluorobiphenyl			62	70
2,4,6-Tribromophenol			95	91
d-14-p-Terphenyl			110	110

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