

Unl
Compass

Site 22

16 April 23



Job no: 23-34263

Issue: 1

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Lab ID: 123237

Sample Description: Location 1
Sample Date: 23/03/2023 at 0945

Determination	Result	Units	Method
^ Naphthalene	< 0.01	µg/l	GCMS
^ Acenaphthylene	< 0.010	µg/l	GCMS
^ Acenaphthene	< 0.010	µg/l	GCMS
^ Fluorene	0.013 14.524, 0.05	µg/l	GCMS
^ Phenanthrene	0.018, 6.23 0.18	µg/l	GCMS
^ Anthracene	< 0.010	µg/l	GCMS
^ Fluoranthene	< 0.010	µg/l	GCMS
^ Pyrene	< 0.010	µg/l	GCMS
^ Benzo(a)anthracene	< 0.010	µg/l	GCMS
^ Chrysene	< 0.010	µg/l	GCMS
^ Benzo(b)fluoranthene	< 0.01	µg/l	GCMS
^ Benzo(k)fluoranthene	< 0.01	µg/l	GCMS
^ Benzo(a)pyrene	< 0.010	µg/l	GCMS
^ Dibenz(a,h)anthracene	< 0.010	µg/l	GCMS
^ Benzo(g,h,i)perylene	0.173 (948)	µg/l	GCMS
^ Indeno(1,2,3-c,d)pyrene	< 0.01	µg/l	GCMS
^ PAH (Total of 16 EPA)	85, 121, 83 * 80	µg/l	GCMS
^ Total Petroleum Hydrocarb	< 10	µg/l	
Boron	19 *	µg/l	ICPMS
Arsenic	< 2.5 *	µg/l	AES 1048
Barium	165 *	µg/l	AES 1048
Beryllium	< 0.5 *	µg/l	AES 1048
Cadmium	0.5 *	µg/l	AES 1048
Chromium	4.6 *	µg/l	AES 1048
Copper	< 7 *	µg/l	AES 1048
Lead	< 5 *	µg/l	AES 1048
Mercury	< 1 *	µg/l	AES 1048
Nickel	3 *	µg/l	AES 1048
Selenium	3 *	µg/l	AES 1048
Vanadium by ICPMS	< 1.000	µg/l	
Zinc	< 4	µg/l	AES 1048
^ PCB 28	< 0.020	µg/l	GCMS
^ PCB 52	< 0.020	µg/l	GCMS
^ PCB 101	< 0.020	µg/l	GCMS
^ PCB 118	< 0.020	µg/l	GCMS
^ PCB 138	< 0.020	µg/l	GCMS
^ PCB 153	< 0.020	µg/l	GCMS
^ Total PCB's	< 0.140	µg/l	GCMS
^ PCB 180	< 0.020	µg/l	GCMS
^ PCB 77	< 0.020	µg/l	GCMS
^ PCB 81	< 0.020	µg/l	GCMS
^ PCB 105	< 0.020	µg/l	GCMS
^ PCB 114	< 0.020	µg/l	GCMS

* Derives
results/samples.
taken.
on 24/6/22



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^ PCB 118	< 0.020	µg/l	GCMS
^ PCB 123	< 0.020	µg/l	GCMS
^ PCB 126	< 0.020	µg/l	GCMS
^ PCB 156	< 0.020	µg/l	GCMS
^ PCB 157	< 0.020	µg/l	GCMS
^ PCB 167	< 0.020	µg/l	GCMS
^ PCB 169	< 0.020	µg/l	GCMS
^ PCB 189	< 0.020	µg/l	GCMS
^ Total PCB's (WHO12) (< 0.2)	< 0.300	µg/l	GCMS

Comments:

Metals results on dissolved basis

Lab ID: 123238

Sample Description: Location 2

Sample Date: 23/03/2023 at 0945

Determination	Result	Units	Method
^ Naphthalene	< 0.01	µg/l	GCMS
^ Acenaphthylene	< 0.010	µg/l	GCMS
^ Acenaphthene	< 0.010	µg/l	GCMS
^ Fluorene	< 0.010	µg/l	GCMS
^ Phenanthrene	< 0.010	µg/l	GCMS
^ Anthracene	< 0.010	µg/l	GCMS
^ Fluoranthene	< 0.010	µg/l	GCMS
^ Pyrene	< 0.010	µg/l	GCMS
^ Benzo(a)anthracene	< 0.010	µg/l	GCMS
^ Chrysene	< 0.010	µg/l	GCMS
^ Benzo(b)fluoranthene	< 0.01	µg/l	GCMS
^ Benzo(k)fluoranthene	< 0.01	µg/l	GCMS
^ Benzo(a)pyrene	< 0.010	µg/l	GCMS
^ Dibenzo(a,h)anthracene	< 0.010	µg/l	GCMS
^ Benzo(g,h,i)perylene	< 0.02	µg/l	GCMS
^ Indeno(1,2,3-c,d)pyrene (3 samples)	< 0.01	µg/l	GCMS
^ PAH (Total of 16 EPA) (85, 121, 83)	< 0.16	µg/l	GCMS
^ Total Petroleum Hydrocarb	< 10	µg/l	
Boron 19	16.0	µg/l	ICPMS
Arsenic < 2.5	< 1.0	µg/l	AES 1048
Barium 165	35.0	µg/l	AES 1048
Beryllium 05	< 0.05	µg/l	AES 1048
Cadmium 05	< 0.05	µg/l	AES 1048
Chromium 46	< 2.0	µg/l	AES 1048
Copper < 7	< 3	µg/l	AES 1048
Lead 3	< 1.0	µg/l	AES 1048
Mercury 3	< 0.10	µg/l	AES 1048
Nickel	1.0	µg/l	AES 1048
Selenium	< 2.0	µg/l	AES 1048
Vanadium by ICPMS	< 1.000	µg/l	



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^ Total Petroleum Hydrocarb	< 10	µg/l	
Boron 19	17.0	µg/l	ICPMS
Arsenic 225	< 1.0	µg/l	AES 1048
Barium 165	35.0	µg/l	AES 1048
Beryllium 0.5	< 0.05	µg/l	AES 1048
Cadmium 46	< 0.05	µg/l	AES 1048
Chromium 7	< 2.0	µg/l	AES 1048
Copper 5	< 3	µg/l	AES 1048
Lead 3	< 1.0	µg/l	AES 1048
Mercury 3	< 0.10	µg/l	AES 1048
Nickel	1.1	µg/l	AES 1048
Selenium	< 2.0	µg/l	AES 1048
Vanadium by ICPMS	< 1.000	µg/l	
Zinc	35	µg/l	AES 1048
^ PCB 28	< 0.020	µg/l	GCMS
^ PCB 52	< 0.020	µg/l	GCMS
^ PCB 101	< 0.020	µg/l	GCMS
^ PCB 118	< 0.020	µg/l	GCMS
^ PCB 138	< 0.020	µg/l	GCMS
^ PCB 153	< 0.020	µg/l	GCMS
^ Total PCB's	< 0.140	µg/l	GCMS
^ PCB 180	< 0.020	µg/l	GCMS
^ PCB 77	< 0.020	µg/l	GCMS
^ PCB 81	< 0.020	µg/l	GCMS
^ PCB 105	< 0.020	µg/l	GCMS
^ PCB 114	< 0.020	µg/l	GCMS
^ PCB 118	< 0.020	µg/l	GCMS
^ PCB 123	< 0.020	µg/l	GCMS
^ PCB 126	< 0.020	µg/l	GCMS
^ PCB 156	< 0.020	µg/l	GCMS
^ PCB 157	< 0.020	µg/l	GCMS
^ PCB 167	< 0.020	µg/l	GCMS
^ PCB 169	< 0.020	µg/l	GCMS
^ PCB 189	< 0.020	µg/l	GCMS
^ Total PCB's (WHO12) 0.2	< 0.300	µg/l	GCMS

Comments:

Metals results on dissolved basis

Lab ID: 123240

Sample Description: Location 4
Sample Date: 23/03/2023 at 0945

Determination	Result	Units	Method
^ Naphthalene	< 0.01	µg/l	GCMS
^ Acenaphthylene	< 0.010	µg/l	GCMS
^ Acenaphthene	< 0.010	µg/l	GCMS
^ Fluorene	< 0.010	µg/l	GCMS



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^ Phenanthrene	< 0.010	µg/l	GCMS
^ Anthracene	< 0.010	µg/l	GCMS
^ Fluoranthene	< 0.010	µg/l	GCMS
^ Pyrene	< 0.010	µg/l	GCMS
^ Benzo(a)anthracene	< 0.010	µg/l	GCMS
^ Chrysene	< 0.010	µg/l	GCMS
^ Benzo(b)fluoranthene	< 0.01	µg/l	GCMS
^ Benzo(k)fluoranthene	< 0.01	µg/l	GCMS
^ Benzo(a)pyrene	< 0.010	µg/l	GCMS
^ Dibenz(a,h)anthracene	< 0.010	µg/l	GCMS
^ Benzo(g,h,i)perylene	< 0.02	µg/l	GCMS
^ Indeno(1,2,3-c,d)pyrene	< 0.01	µg/l	GCMS
^ PAH (Total of 16 EPA)	< 0.16	µg/l	GCMS
^ Total Petroleum Hydrocarb	< 10	ug/l	
Boron	16.0	µg/l	ICPMS
Arsenic	< 1.0	µg/l	AES 1048
Barium	35.0	µg/l	AES 1048
Beryllium	< 0.05	µg/l	AES 1048
Cadmium	< 0.05	µg/l	AES 1048
Chromium	< 2.0	µg/l	AES 1048
Copper	< 3	µg/l	AES 1048
Lead	< 1.0	µg/l	AES 1048
Mercury	< 0.10	µg/l	AES 1048
Nickel	1.0	µg/l	AES 1048
Selenium	< 2.0	µg/l	AES 1048
Vanadium by ICPMS	< 1.000	µg/l	
Zinc	26	µg/l	AES 1048
^ PCB 28	< 0.020	µg/l	GCMS
^ PCB 52	< 0.020	µg/l	GCMS
^ PCB 101	< 0.020	µg/l	GCMS
^ PCB 118	< 0.020	µg/l	GCMS
^ PCB 138	< 0.020	µg/l	GCMS
^ PCB 153	< 0.020	µg/l	GCMS
^ Total PCB's	< 0.140	µg/l	GCMS
^ PCB 180	< 0.020	µg/l	GCMS
^ PCB 77	< 0.020	µg/l	GCMS
^ PCB 81	< 0.020	µg/l	GCMS
^ PCB 105	< 0.020	µg/l	GCMS
^ PCB 114	< 0.020	µg/l	GCMS
^ PCB 118	< 0.020	µg/l	GCMS
^ PCB 123	< 0.020	µg/l	GCMS
^ PCB 126	< 0.020	µg/l	GCMS
^ PCB 156	< 0.020	µg/l	GCMS
^ PCB 157	< 0.020	µg/l	GCMS
^ PCB 167	< 0.020	µg/l	GCMS
^ PCB 169	< 0.020	µg/l	GCMS
^ PCB 189	< 0.020	µg/l	GCMS



Job No: 20-04080

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Item	IS	ug/l	MSD
1. PCB 28	<0.005	ug/l	GC/MS
2. PCB 52	<0.005	ug/l	GC/MS
3. PCB 99	<0.005	ug/l	GC/MS
4. PCB 138	<0.005	ug/l	GC/MS
5. PCB 154	<0.005	ug/l	GC/MS
6. PCB 180	<0.005	ug/l	GC/MS
7. Total PCBs	<0.005	ug/l	GC/MS
8. PCB 209	<0.005	ug/l	GC/MS
9. PCB 71	<0.005	ug/l	GC/MS
10. PCB 81	<0.005	ug/l	GC/MS
11. PCB 91	<0.005	ug/l	GC/MS
12. PCB 101	<0.005	ug/l	GC/MS
13. PCB 113	<0.005	ug/l	GC/MS
14. PCB 129	<0.005	ug/l	GC/MS
15. PCB 136	<0.005	ug/l	GC/MS
16. PCB 146	<0.005	ug/l	GC/MS
17. PCB 167	<0.005	ug/l	GC/MS
18. PCB 187	<0.005	ug/l	GC/MS
19. PCB 206	<0.005	ug/l	GC/MS
20. PCB 210	<0.005	ug/l	GC/MS
21. Total PCBs (WFOC12)	<0.005	ug/l	GC/MS

Comments:

Metals results on discarded basis

Lab ID: 19-0250

Sample Description:

Location: 3

Sample Date:

2/3/2023 at 09:45

Determination	Result	Units	Method
1. Acetophenone	<0.01	ug/l	GC/MS
2. Acenaphthylene	<0.010	ug/l	GC/MS
3. Acenaphthene	<0.010	ug/l	GC/MS
4. Fluorene	<0.010	ug/l	GC/MS
5. Phenanthrene	<0.010	ug/l	GC/MS
6. Anthracene	<0.010	ug/l	GC/MS
7. Fluoranthene	<0.010	ug/l	GC/MS
8. Pyrene	<0.010	ug/l	GC/MS
9. Benzo[a]anthracene	<0.010	ug/l	GC/MS
10. Chrysene	<0.010	ug/l	GC/MS
11. Benzo[b]fluoranthene	<0.01	ug/l	GC/MS
12. Benzo[k]fluoranthene	<0.01	ug/l	GC/MS
13. Benzo[a]pyrene	<0.010	ug/l	GC/MS
14. Dibenz[a,h]anthracene	<0.010	ug/l	GC/MS
15. Benzo[e]pyrene	<0.01	ug/l	GC/MS
16. Indeno[1,2,3-cd]pyrene	<0.01	ug/l	GC/MS
17. Total PAHs (sum of 16 PAHs)	<0.25	ug/l	GC/MS

65, 121, 83