

**CLIENT NAME: DEFENCE CONSTRUCTION CANADA
14 ALERT BLVD, 8 WING TRENTON
ASTRA, ON K0K3W0
(613) 392-2811**

ATTENTION TO: Chris McRae

PROJECT NO: Alert

AGAT WORK ORDER: 12T620136

MICROBIOLOGY ANALYSIS REVIEWED BY: Inesa Alizarchyk, Inorganic Lab Supervisor

TRACE ORGANICS REVIEWED BY: Jacky Takeuchi, BScH (Chem Eng), BSc (Bio), C.Chem, Laboratory Manager

WATER ANALYSIS REVIEWED BY: Mike Muneswar, BSc (Chem), Senior Inorganic Analyst

DATE REPORTED: Jul 23, 2012

PAGES (INCLUDING COVER): 12

VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

*NOTES

All samples will be disposed of within 30 days following analysis. Please contact the lab if you require additional sample storage time.



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 12T620136

PROJECT NO: Alert

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
<http://www.agatlabs.com>

CLIENT NAME: DEFENCE CONSTRUCTION CANADA

ATTENTION TO: Chris McRae

Microbiological Analysis (water)

DATE SAMPLED: Jul 09, 2012

DATE RECEIVED: Jul 13, 2012

DATE REPORTED: Jul 23, 2012

SAMPLE TYPE: Water

Parameter	Unit	G / S	RDL	ALT-4 3513987	ERK-1 3513992	ERK-5 3513998
Fecal Coliform	CFU/100mL		1	ND	ND	ND

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

3513987-3513998 ND - Not Detected.

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ATTENTION TO: Chris McRae

Oil and Grease [water]

DATE SAMPLED: Jul 09, 2012

DATE RECEIVED: Jul 13, 2012

DATE REPORTED: Jul 23, 2012

SAMPLE TYPE: Water

Parameter	Unit	G / S	RDL	ALT-4 3513987	ERK-1 3513992	ERK-5 3513998
Oil and Grease (animal/vegetable)	mg/L		0.5	<0.5	0.8	0.6
Oil and Grease (mineral) in water	mg/L		0.5	<0.5	<0.5	<0.5
Oil and Grease (Total) in water	mg/L		0.5	<0.5	0.8	0.6

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

Certified By:

Judy Takewicki



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CLIENT NAME: DEFENCE CONSTRUCTION CANADA

ATTENTION TO: Chris McRae

PAHs (Water)					
DATE SAMPLED: Jul 09, 2012		DATE RECEIVED: Jul 13, 2012		DATE REPORTED: Jul 23, 2012	
				SAMPLE TYPE: Water	
Parameter	Unit	G / S	RDL	ALT-4 3513987	ERK-5 3513998
Naphthalene	µg/L		0.20	<0.20	<0.20
Acenaphthylene	µg/L		0.20	<0.20	<0.20
Acenaphthene	µg/L		0.20	<0.20	<0.20
Fluorene	µg/L		0.20	<0.20	<0.20
Phenanthrene	µg/L		0.10	<0.10	<0.10
Anthracene	µg/L		0.10	<0.10	<0.10
Fluoranthene	µg/L		0.20	<0.20	<0.20
Pyrene	µg/L		0.20	<0.20	<0.20
Benz(a)anthracene	µg/L		0.20	<0.20	<0.20
Chrysene	µg/L		0.10	<0.10	<0.10
Benzo(b)fluoranthene	µg/L		0.10	<0.10	<0.10
Benzo(k)fluoranthene	µg/L		0.10	<0.10	<0.10
Benzo(a)pyrene	µg/L		0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	µg/L		0.20	<0.20	<0.20
Dibenz(a,h)anthracene	µg/L		0.20	<0.20	<0.20
Benzo(g,h,i)perylene	µg/L		0.20	<0.20	<0.20
2-and 1-methyl Naphthalene	µg/L		0.20	<0.20	<0.20
Surrogate	Unit	Acceptable Limits			
Chrysene-d12	%	50-140		63	67

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

3513987-3513998 Note: The result for Benzo(b)Flouranthene is the total of the Benzo(b)&(j)Flouranthene isomers because the isomers co-elute on the GC column.

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CLIENT NAME: DEFENCE CONSTRUCTION CANADA

ATTENTION TO: Chris McRae

PHCs F1 - F4 (with PAHs) (Water)

DATE SAMPLED: Jul 09, 2012

DATE RECEIVED: Jul 13, 2012

DATE REPORTED: Jul 23, 2012

SAMPLE TYPE: Water

Parameter	Unit	G / S	RDL	ALT-4 3513987	ERK-5 3513998
Benzene	µg/L		0.20	<0.20	<0.20
Toluene	µg/L		0.20	<0.20	<0.20
Ethylbenzene	µg/L		0.10	<0.10	<0.10
Xylene Mixture	µg/L		0.20	<0.20	<0.20
F1 (C6 to C10)	µg/L		25	<25	<25
F1 (C6 to C10) minus BTEX	µg/L		25	<25	<25
F2 (C10 to C16)	µg/L		100	<100	<100
F2 (C10 to C16) minus Naphthalene	µg/L		100	<100	<100
F3 (C16 to C34)	µg/L		100	<100	<100
F3 (C16 to C34) minus PAHs	µg/L		100	<100	<100
F4 (C34 to C50)	µg/L		100	<100	<100
Gravimetric Heavy Hydrocarbons	µg/L		500	NA	NA
Surrogate	Unit	Acceptable Limits			
Terphenyl	%	60-140		62	67

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

3513987-3513998 The C6-C10 fraction is calculated using Toluene response factor.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16 - C50 and are only determined if the chromatogram of the C34 - C50 Hydrocarbons indicated that hydrocarbons >C50 are present.
Total C6-C50 results are corrected for BTEX and PAH contributions.
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
n-C6 and n-C10 response factors are within 30% of Toluene response factor.
n-C10, n-C16 and n-C34 response factors are within 10% of their average.
C50 response factor is within 70% of n-C10 + n-C16 n-C34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.

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ATTENTION TO: Chris McRae

Inorganic Chemistry (Water)

DATE SAMPLED: Jul 09, 2012

DATE RECEIVED: Jul 13, 2012

DATE REPORTED: Jul 23, 2012

SAMPLE TYPE: Water

Parameter	Unit	G / S	RDL	ALT-4	RDL	ERK-5
				3513987		3513998
BOD (5)	mg/L		5	<5	5	6
Electrical Conductivity	uS/cm		2	395	2	9990
pH	pH Units		NA	8.02	NA	8.32
Total Hardness (as CaCO ₃)	mg/L		10	127	10	2630
Total Suspended Solids	mg/L		10	218	10	52
Alkalinity (as CaCO ₃)	mg/L		5	74	5	97
Nitrate as N	mg/L		0.05	3.40	0.50	<0.50
Nitrite as N	mg/L		0.05	<0.05	0.50	<0.50
Sulphate	mg/L		0.10	42.6	1.00	1030
Ammonia as N	mg/L		0.02	0.02	0.02	0.31
Chemical Oxygen Demand	mg/L		5	8	5	106
Phenols	µg/L		1	<1	1	<1
Calcium	mg/L		0.05	35.3	0.05	522
Magnesium	mg/L		0.05	9.39	0.05	322
Sodium	mg/L		0.05	18.7	0.05	1330
Potassium	mg/L		0.05	2.71	0.05	35.9
Arsenic	mg/L		0.003	<0.003	0.003	0.007
Cadmium	mg/L		0.001	<0.001	0.001	<0.001
Chromium	mg/L		0.003	0.004	0.003	0.006
Copper	mg/L		0.003	0.007	0.003	0.008
Iron	mg/L		0.010	0.863	0.010	0.539
Lead	mg/L		0.001	0.005	0.001	<0.001
Mercury	mg/L		0.0001	<0.0001	0.0001	<0.0001
Nickel	mg/L		0.003	0.005	0.003	0.006

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard**3513998** Note: Due to the high concentrations of Chloride and/or Sulphate, it was necessary to dilute these samples prior to analysis for Anions. The RDLs were adjusted accordingly.

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pH, TSS, BOD, COD (Water)

DATE SAMPLED: Jul 09, 2012

DATE RECEIVED: Jul 13, 2012

DATE REPORTED: Jul 23, 2012

SAMPLE TYPE: Water

Parameter	Unit	G / S	RDL	ERK-1
				3513992
BOD (5)	mg/L		5	56
pH	pH Units		NA	9.46
Total Suspended Solids	mg/L		10	83
Chemical Oxygen Demand	mg/L		50	454

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

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Quality Assurance

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AGAT WORK ORDER: 12T620136

PROJECT NO: Alert

ATTENTION TO: Chris McRae

Microbiology Analysis

RPT Date: Jul 23, 2012			DUPLICATE			Method Blank	REFERENCE MATERIAL		METHOD BLANK SPIKE			MATRIX SPIKE			
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper

Microbiological Analysis (water)

Fecal Coliform	1		ND	ND	NA	< 1	NA			NA			NA		
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Comments: ND - Not Detected ; NA - Not Applicable

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Quality Assurance

CLIENT NAME: DEFENCE CONSTRUCTION CANADA

AGAT WORK ORDER: 12T620136

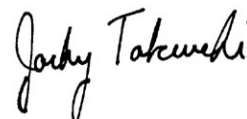
PROJECT NO: Alert

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Trace Organics Analysis

RPT Date: Jul 23, 2012			DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Oil and Grease [water]															
Oil and Grease (animal/vegetable)	1		25	28	11.3%	< 0.5	NA	70%	130%	102%	70%	130%	103%	70%	130%
Oil and Grease (mineral) in water	1		10	12	18.2%	< 0.5	NA	70%	130%	75%	70%	130%	73%	70%	130%
Oil and Grease (Total) in water	1		35	40	13.3%	< 0.5	NA	70%	130%	89%	70%	130%	106%	70%	130%
PHCs F1 - F4 (with PAHs) (Water)															
Benzene	1		< 0.20	< 0.20	0.0%	< 0.20	80%	50%	140%	90%	60%	130%	71%	50%	140%
Toluene	1		< 0.20	< 0.20	0.0%	< 0.20	74%	50%	140%	86%	60%	130%	63%	50%	140%
Ethylbenzene	1		< 0.10	< 0.10	0.0%	< 0.10	78%	50%	140%	90%	60%	130%	71%	50%	140%
Xylene Mixture	1		< 0.20	< 0.20	0.0%	< 0.20	87%	50%	140%	89%	60%	130%	72%	50%	140%
F1 (C6 to C10)	1		< 25	< 25	0.0%	< 25	76%	60%	140%	81%	60%	140%	91%	60%	140%
F2 (C10 to C16)	1		< 100	< 100	0.0%	< 100	101%	60%	140%	67%	60%	140%	64%	60%	140%
F3 (C16 to C34)	1		< 100	< 100	0.0%	< 100	101%	60%	140%	101%	60%	140%	106%	60%	140%
F4 (C34 to C50)	1		< 100	< 100	0.0%	< 100	100%	60%	140%	105%	60%	140%	101%	60%	140%
PAHs (Water)															
Naphthalene	1		< 0.20	< 0.20	0.0%	< 0.20	95%	50%	140%	85%	50%	140%	99%	50%	140%
Acenaphthylene	1		< 0.20	< 0.20	0.0%	< 0.20	99%	50%	140%	92%	50%	140%	77%	50%	140%
Acenaphthene	1		< 0.20	< 0.20	0.0%	< 0.20	104%	50%	140%	96%	50%	140%	87%	50%	140%
Fluorene	1		< 0.20	< 0.20	0.0%	< 0.20	99%	50%	140%	95%	50%	140%	94%	50%	140%
Phenanthrene	1		< 0.10	< 0.10	0.0%	< 0.10	93%	50%	140%	91%	50%	140%	95%	50%	140%
Anthracene	1		< 0.10	< 0.10	0.0%	< 0.10	104%	50%	140%	96%	50%	140%	83%	50%	140%
Fluoranthene	1		< 0.20	< 0.20	0.0%	< 0.20	95%	50%	140%	101%	50%	140%	92%	50%	140%
Pyrene	1		< 0.20	< 0.20	0.0%	< 0.20	100%	50%	140%	97%	50%	140%	89%	50%	140%
Benz(a)anthracene	1		< 0.20	< 0.20	0.0%	< 0.20	103%	50%	140%	75%	50%	140%	83%	50%	140%
Chrysene	1		< 0.10	< 0.10	0.0%	< 0.10	103%	50%	140%	87%	50%	140%	83%	50%	140%
Benzo(b)fluoranthene	1		< 0.10	< 0.10	0.0%	< 0.10	100%	50%	140%	96%	50%	140%	75%	50%	140%
Benzo(k)fluoranthene	1		< 0.10	< 0.10	0.0%	< 0.10	96%	50%	140%	88%	50%	140%	82%	50%	140%
Benzo(a)pyrene	1		< 0.01	< 0.01	0.0%	< 0.01	100%	50%	140%	98%	50%	140%	90%	50%	140%
Indeno(1,2,3-cd)pyrene	1		< 0.20	< 0.20	0.0%	< 0.20	107%	50%	140%	68%	50%	140%	69%	50%	140%
Dibenz(a,h)anthracene	1		< 0.20	< 0.20	0.0%	< 0.20	98%	50%	140%	76%	50%	140%	71%	50%	140%
Benzo(g,h,i)perylene	1		< 0.20	< 0.20	0.0%	< 0.20	103%	50%	140%	73%	50%	140%	68%	50%	140%
2-and 1-methyl Naphthalene	1		< 0.20	< 0.20	0.0%	< 0.20	100%	50%	140%	83%	50%	140%	73%	50%	140%

Certified By:



Quality Assurance

CLIENT NAME: DEFENCE CONSTRUCTION CANADA

AGAT WORK ORDER: 12T620136

PROJECT NO: Alert

ATTENTION TO: Chris McRae

Water Analysis															
RPT Date: Jul 23, 2012			DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Inorganic Chemistry (Water)															
BOD (5)	1	3513987	< 5	< 5	0.0%	< 5	94%	75%	125%	NA			NA		
Electrical Conductivity	1		3340	3360	0.6%	< 2	99%	80%	120%	NA			NA		
pH	1		7.99	8.00	0.1%	NA	100%	90%	110%	NA			NA		
Total Suspended Solids	1		3860	4020	4.1%	< 10	94%	80%	120%	NA			NA		
Alkalinity (as CaCO3)	1		313	315	0.6%	< 5	98%	80%	120%	NA			NA		
Nitrate as N	1		0.27	0.29	7.1%	< 0.05	96%	90%	110%	98%	90%	110%	100%	70%	130%
Nitrite as N	1		< 0.05	< 0.05	0.0%	< 0.05	NA	90%	110%	110%	90%	110%	101%	80%	120%
Sulphate	1		251	249	0.8%	< 0.10	94%	90%	110%	99%	90%	110%	99%	80%	120%
Ammonia as N	1		3.96	3.61	9.2%	< 0.02	94%	90%	110%	95%	90%	110%	107%	80%	120%
Chemical Oxygen Demand	1		< 5	< 5	0.0%	< 5	94%	90%	110%	103%	90%	110%	111%	70%	130%
Phenols	1	3513998	< 1	< 1	0.0%	< 1	98%	90%	110%	102%	90%	110%	101%	80%	120%
Calcium	1		25.2	25.4	0.8%	< 0.05	98%	90%	110%	96%	90%	110%	92%	70%	130%
Magnesium	1		6.33	6.39	0.9%	< 0.05	97%	90%	110%	96%	90%	110%	93%	70%	130%
Sodium	1		9.26	9.24	0.2%	< 0.05	97%	90%	110%	95%	90%	110%	90%	70%	130%
Potassium	1		0.92	0.95	3.2%	< 0.05	96%	90%	110%	94%	90%	110%	91%	70%	130%
Arsenic	1		< 0.003	< 0.003	0.0%	< 0.003	106%	90%	110%	103%	90%	110%	105%	70%	130%
Cadmium	1		< 0.001	< 0.001	0.0%	< 0.001	92%	90%	110%	107%	80%	120%	107%	70%	130%
Chromium	1		0.008	0.008	0.0%	< 0.003	102%	90%	110%	101%	90%	110%	101%	70%	130%
Copper	1		0.203	0.193	5.1%	< 0.003	109%	90%	110%	106%	80%	120%	130%	70%	130%
Iron	1		0.040	0.036	10.5%	< 0.010	107%	90%	110%	108%	90%	180%	88%	70%	130%
Lead	1		< 0.001	< 0.001	0.0%	< 0.001	100%	90%	110%	107%	90%	110%	100%	70%	130%
Mercury	1		< 0.0001	< 0.0001	0.0%	< 0.0001	100%	90%	110%	100%	70%	130%	102%	70%	130%
Nickel	1		0.004	0.004	0.0%	< 0.003	99%	90%	110%	98%	90%	110%	108%	70%	130%

Comments: NA - Not Applicable.

Certified By:



Method Summary

CLIENT NAME: DEFENCE CONSTRUCTION CANADA
AGAT WORK ORDER: 12T620136
PROJECT NO: Alert
ATTENTION TO: Chris McRae

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Microbiology Analysis			
Fecal Coliform	MIC-93-7000	SM 9222 D	MF/INCUBATOR
Trace Organics Analysis			
Oil and Grease (animal/vegetable)	VOL-91- 5011	SM 5520 & EPA SW846 3510C & EPA 1664	GRAVIMETRIC
Oil and Grease (mineral) in water	VOL-91- 5011	SM 5520 & EPA SW846 3510C & EPA 1664	GRAVIMETRIC
Oil and Grease (Total) in water	VOL-91- 5011	SM 5520 & EPA SW846 3510C & EPA 1664	GRAVIMETRIC
Naphthalene	ORG-91-5105	EPA SW-846 3510 & 8270	GC/MS
Acenaphthylene	ORG-91-5105	EPA SW-846 3510 & 8270	GC/MS
Acenaphthene	ORG-91-5105	EPA SW-846 3510 & 8270	GC/MS
Fluorene	ORG-91-5105	EPA SW-846 3510 & 8270	GC/MS
Phenanthrene	ORG-91-5105	EPA SW-846 3510 & 8270	GC/MS
Anthracene	ORG-91-5105	EPA SW-846 3510 & 8270	GC/MS
Fluoranthene	ORG-91-5105	EPA SW-846 3510 & 8270	GC/MS
Pyrene	ORG-91-5105	EPA SW-846 3510 & 8270	GC/MS
Benz(a)anthracene	ORG-91-5105	EPA SW-846 3510 & 8270	GC/MS
Chrysene	ORG-91-5105	EPA SW-846 3510 & 8270	GC/MS
Benzo(b)fluoranthene	ORG-91-5105	EPA SW-846 3510 & 8270	GC/MS
Benzo(k)fluoranthene	ORG-91-5105	EPA SW-846 3510 & 8270	GC/MS
Benzo(a)pyrene	ORG-91-5105	EPA SW-846 3510 & 8270	GC/MS
Indeno(1,2,3-cd)pyrene	ORG-91-5105	EPA SW-846 3510 & 8270	GC/MS
Dibenz(a,h)anthracene	ORG-91-5105	EPA SW-846 3510 & 8270	GC/MS
Benzo(g,h,i)perylene	ORG-91-5105	EPA SW-846 3510 & 8270	GC/MS
2-and 1-methyl Naphthalene	ORG-91-5105	EPA SW-846 3510 & 8270	GC/MS
Chrysene-d12	ORG-91-5105	EPA SW-846 3510 & 8270	GC/MS
Benzene	VOL-91-5010	MOE PHC E3421	(P&T)GC/MS
Toluene	VOL-91-5010	MOE PHC E3421	(P&T)GC/MS
Ethylbenzene	VOL-91-5010	MOE PHC E3421	(P&T)GC/MS
Xylene Mixture	VOL-91-5010	MOE PHC E3421	(P&T)GC/MS
F1 (C6 to C10)	VOL-91-5010	MOE PHC E3421	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5010	MOE PHC E3421	(P&T)GC/FID
F2 (C10 to C16)	VOL-91-5010	MOE PHC E3421	GC/FID
F2 (C10 to C16) minus Naphthalene	VOL-91-5010	MOE PHC E3421	GC/FID
F3 (C16 to C34)	VOL-91-5010	MOE PHC E3421	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5010	MOE PHC E3421	GC/FID
F4 (C34 to C50)	VOL -91- 5010	MOE PHC- E3421	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5010	MOE PHC E3421	BALANCE
Terphenyl	VOL-91-5010		GC/FID

Method Summary

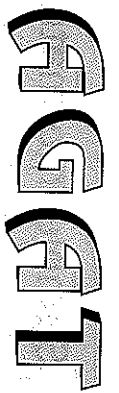
CLIENT NAME: DEFENCE CONSTRUCTION CANADA

AGAT WORK ORDER: 12T620136

PROJECT NO: Alert

ATTENTION TO: Chris McRae

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
BOD (5)	INOR-93-6006	SM 5210 B	DO METER
Electrical Conductivity	INOR-93-6000	SM 2510 B	PC TITRATE
pH	INOR-93-6000	SM 4500-H+ B	PC TITRATE
Total Hardness (as CaCO ₃)	MET-93-6105	EPA SW-846 6010C & 200.7 & SM 2340 B	ICP/OES
Total Suspended Solids	INOR-93-6028	SM 2540 D	BALANCE
Alkalinity (as CaCO ₃)	INOR-93-6000	SM 2320 B	PC TITRATE
Nitrate as N	INOR-93-6004	SM 4110 B	ION CHROMATOGRAPH
Nitrite as N	INOR-93-6004	SM 4110 B	ION CHROMATOGRAPH
Sulphate	INOR-93-6004	SM 4110 B	ION CHROMATOGRAPH
Ammonia as N	INOR-93-6002	AQ2 EPA-103A & SM 4500 NH ₃ -F	AQ-2 DISCRETE ANALYZER
Chemical Oxygen Demand	INOR-93-6042	SM 5220 D	SPECTROPHOTOMETER
Phenols	INOR-93-6050	MOE ROPHEN-E 3179 & SM 5530 D	TECHNICON AUTO ANALYZER
Calcium	MET-93-6105	EPA SW-846 6010C & 200.7	ICP/OES
Magnesium	MET-93-6105	EPA SW-846 6010C & 200.7	ICP/OES
Sodium	MET-93-6105	EPA SW-846 6010C & 200.7	ICP/OES
Potassium	MET-93-6105	EPA SW-846 6010C & 200.7	ICP/OES
Arsenic	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Cadmium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Chromium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Copper	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Iron	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Lead	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Mercury	MET-93-6100	EPA SW 846 7470 & 245.1	CVAAS
Nickel	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
BOD (5)	INOR-93-6006	SM 5210 B	DO METER
pH	INOR-93-6000	SM 4500-H+ B	PC TITRATE
Total Suspended Solids	INOR-93-6028	SM 2540 D	BALANCE
Chemical Oxygen Demand	INOR-93-6042	SM 5220 D	SPECTROPHOTOMETER



Laboratories

Mulai

5835 Coopers Avenue
Mississauga, Ontario
L4Z 1Y2
www.agatlabs.com • webearth.agatlabs.com

Laboratory Use Only

Arrival Temperature:

121620136

AGAT WO #:

4615116.6

Lab Temperature:

ON ice

Chain of Custody Record

Ph: 905.712.5100 • Fax: 905.712.5122 • Toll Free: 800.856.6261

Client Information:

Company: DCC
Contact: Chris McKee
Address: 14 Alert Blvd
Astra ON K0K 3N0
Phone: 613-949-9101 Fax: _____
Project: Alert PO: _____
AGAT Quotation #: _____
Please note, if quotation number is not provided,
client will be billed full price for analysis.

Regulatory Requirements:

☐ Regulation 153/09
(Reg 511 Amends)
Table _____ Indicate one
☐ Ind/Com
☐ Res/Park
☐ Agriculture
☐ Soil Texture (check one)
☐ Coarse ☐ Fine
☐ Sewer Use
☐ Regulation 558
Region _____ Indicate one
☐ CCME
☐ Other (specify): _____
☐ Sanitary
☐ Storm
☒ Prov. Water Quality
Objectives (PWQO)
None

Invoice To:

Company: _____ Same: Yes ☒ No ☐
Contact: _____
Address: _____

Legend Matrix

GW Ground Water O Oil
SW Surface Water P Paint
SD Sediment S Soil

Report Information - reports to be sent to:

1. Name: Chris McKee
Email: Chris.mckee@dcc-dog.ca
2. Name: _____
Email: _____

Is this a drinking water sample?
(potable water intended for human consumption)
☐ Yes ☐ No
If "Yes", please use the
Drinking Water Chain of Custody Form

Is this submission for a Record of Site Conditions?
☐ Yes ☐ No

Sample Identification

Sample Identification	Date Sampled	Time Sampled	Sample Matrix	# of Containers	Comments Site/Sample Information
ALT-4	11/03/2012		SW	17	
ERK-1	09/07/2012				
ERK-5	09/07/2012			17	

Metals and Inorganics	
Metal Scan	
Hydride Forming Metals	
Client Custom Metals	
ORPs: ☐ B-HWS ☐ Cl ☐ CN	
☐ EC ☐ FOC ☐ Cr+6 ☐ SAR	
☐ NO ₃ /NO ₂ ☐ N-Total ☐ Hg ☐ pH	
Nutrients: ☐ TP ☐ NH ₃ ☐ TKN	
☐ NO ₃ ☐ NO ₂ ☐ NO ₃ /NO ₂	
VOC: ☐ VOC ☐ THM ☒ BTEX	
CCME Fractions 1 to 4	
ABNs	
PAHs	
Chlorophenols	
PCBs	
Organochlorine Pesticides	
TCLP Metals/Inorganics	
TCLP:	
Sewer Use	

* TAT is exclusive of weekends and statutory holidays

Turnaround Time Required (TAT) Required *

Regular TAT
☒ 5 to 7 Working Days
Rush TAT (please provide prior notification)
Rush Surcharges Apply
☐ 3 Working Days
☐ 2 Working Days
☐ 1 Working Day
OR
Date Required (Rush surcharges may apply):

Please set lead (Pb) MDL to 1 ug/L
ERK-1 is a Savage lagoon (not treated) sample

Samples Relinquished by (print name & sign):
Chris McKee

Date/Time

Samples Received by (print name & sign):
Kenneth Telamus

Date/Time

Pink Copy - Client
Yellow + Golden Copy - AGAT

Page 1 of 1
NO: 160158

Water Licence		
Site ID	Site Name	Testing Parameters
ALT-4	Main Station Landfill	Water: BTEX (Benzene, Toluene, Ethylbenzene, Xylene)
		Water: PAH (Polycyclic Aromatic Hydrocarbon)
		Water: TPH (Total Petroleum Hydrocarbon)
		Water: Metals (Total Arsenic, Total Cadmium, Total Chromium, Total Copper, Total Iron, Total Lead, Total Mercury, Total Nickel)
		Water: Major Ions (Ammonia-Nitrogen, Calcium, Magnesium, Nitrate-Nitrite, Potassium, Sodium, Sulphate)
		Water: Conductivity, pH, Total Alkalinity, Total Hardness, Total Phenols, Total Suspended Solids
		Water: BOD5 or cBOD, COD, Faecal Coliform, Oil and Grease

ERK-5	Barrel Dump	Water: BTEX (Benzene, Toluene, Ethylbenzene, Xylene)
		Water: PAH (Polycyclic Aromatic Hydrocarbon)
		Water: TPH (Total Petroleum Hydrocarbon)
		Water: Metals (Total Arsenic, Total Cadmium, Total Chromium, Total Copper, Total Iron, Total Lead, Total Mercury, Total Nickel)
		Water: Major Ions (Ammonia-Nitrogen, Calcium, Magnesium, Nitrate-Nitrite, Potassium, Sodium, Sulphate)
		Water: Conductivity, pH, Total Alkalinity, Total Hardness, Total Phenols, Total Suspended Solids
		Water: BOD5 or cBOD, COD, Faecal Coliform, Oil and Grease

ERK-1	DND Sewage Lagoon	Water: pH, Total Suspended Solids
		Water: BOD5 or cBOD, COD, Faecal Coliform, Oil and Grease