

**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 (V1)

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Results relate only to the items tested and to all the items tested

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AGAT WORK ORDER: 12T620136

PROJECT NO: Alert

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
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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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CLIENT NAME: DEFENCE CONSTRUCTION CANADA

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	
Parameter	Unit	G / S	RDL	ALT-4	ERK-5
				3513987	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.

Certified By:

Judy Takewiki



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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

CLIENT NAME: DEFENCE CONSTRUCTION CANADA

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

Certified By:



Quality Assurance

CLIENT NAME: DEFENCE CONSTRUCTION CANADA

AGAT WORK ORDER: 12T620136

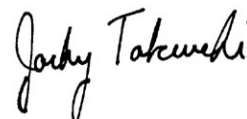
PROJECT NO: Alert

ATTENTION TO: Chris McRae

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

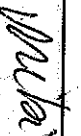
CLIENT NAME: DEFENCE CONSTRUCTION CANADA

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



L4Z.1Y2

Notes:

On 10

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

Please note, if quotation number is not provided, client will be billed full price for analysis.

Company: _____
Contact: _____
Address: _____

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

1. Name: Chris McKee
Email: chris.mckee@ducdadog.co.uk

Soil Texture (check one)

☐ Storm

Prov. Water Quality

☐ 2 Working Day

Date Required (Rush surcharges may apply)

*TAT is exclusive of weekends and statutory holiday

Sample Identification	Date Sampled	Time Sampled	Sample Matrix	# of Containers	Comments Site/Sample Information
ALT-4	11/07/2012		SW	17	
EKC-1	08/07/2012				
EKC-5	09/07/2012			17	
					Metals
					Metal S
					Hydride
					Client C
					ORPs: ☐ EC ☐ NO ₃ /N
					Nutrients ☐ NO ₃
					VOC: ☐
					CCME Fr
					ABNs
					PAHs
					Chlorophyll
					PCBs
					Organoc
					TCLP Me
					TCLP:
					Sewer U
	X	X	X		O.I.
	X	X	X		Fen
	X	X	X		Bc
	X	X	X		Var
	X	X	X		Tot
	X	X	X		T

Phase set lead (P_b) MDL to $1 \mu\text{g/L}$
ERK-1 is a Savage lagoon (not treated) sample

Samples Relinquished by (print name & sign):

Samples Relinquished by (print name & sign):

Date/Time _____

Date/Time

Samples Received by (Print name & sign):

Samples Received by (Print name & sign):

Date/Time:

Date/Time 1346

Yellow + Golden Co

Figure 1

Page 1 of 1

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