

**CLIENT NAME: DEFENCE CONSTRUCTION CANADA
14 ALERT BLVD, 8 WING TRENTON
ASTRA, ON K0K3W0**

ATTENTION TO: Chris McRae

PROJECT NO: Alert

AGAT WORK ORDER: 11T500322

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

WATER ANALYSIS REVIEWED BY: Anthony Dapaah, PhD (Chem), Inorganic Lab Manager

DATE REPORTED: Jun 10, 2011

PAGES (INCLUDING COVER): 12

VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712 5100, or at 1-800-856-6261

***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: 11T500322

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

(P & T) - BTEX - Water (GC/MS)

DATE SAMPLED: Jun 01, 2011

DATE RECEIVED: Jun 09, 2011

DATE REPORTED: Jun 10, 2011

SAMPLE TYPE: Water

Parameter	Unit	G / S	RDL	ALT-8 2462498	ALT-9 2462506	ALT-10 2462542	Dup 1 2462564	ALT - 8.2 2462640
Benzene	µg/L		0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L		0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylbenzene	µg/L		0.10	<0.10	<0.10	0.12	<0.10	<0.10
m & p-Xylene	µg/L		0.20	<0.20	<0.20	0.85	<0.20	<0.20
o-Xylene	µg/L		0.10	<0.10	<0.10	0.73	<0.10	<0.10
Xylene Mixture (Total)	µg/L		0.20	<0.20	<0.20	1.6	<0.20	<0.20
Surrogate	Unit	Acceptable Limits						
Toluene-d8	% Recovery	60-130		108	107	103	107	106
4-Bromofluorobenzene	% Recovery	70-130		76	76	80	78	77

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

2462498-2462640 Results relate only to the items tested.

Certified By:

Judy Takewicki



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CLIENT NAME: DEFENCE CONSTRUCTION CANADA

ATTENTION TO: Chris McRae

O. Reg 153 Petroleum Hydrocarbon F2 - F4 in Water

DATE SAMPLED: Jun 01, 2011

DATE RECEIVED: Jun 09, 2011

DATE REPORTED: Jun 10, 2011

SAMPLE TYPE: Water

Parameter	Unit	G / S	RDL	Lab QC
				2462638
C>10 - C16 (F2)	µg/L		100	<100
C>16 - C34 (F3)	µg/L		100	<100
C>34 - C50 (F4)	µg/L		100	<100
Gravimetric Heavy Hydrocarbons	µg/L		500	NA

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

2462638

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. This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. nC10, nC16 and nC34 response factors are within 10% of their average. C50 response factor is within 70% of nC10 + nC16 nC34 average. Linearity is within 15%. Extraction and holding times were met for this sample. Fractions 2-4 are quantified without the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

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CLIENT NAME: DEFENCE CONSTRUCTION CANADA

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O. Regulation 153 - Volatile Organic Compounds in Water

DATE SAMPLED: Jun 01, 2011

DATE RECEIVED: Jun 09, 2011

DATE REPORTED: Jun 10, 2011

SAMPLE TYPE: Water

Parameter	Unit	G / S	RDL	Field Blank
				2462590
Dichlorodifluoromethane	µg/L		0.20	<0.20
Chloromethane	µg/L		0.40	<0.40
Vinyl Chloride	µg/L		0.17	<0.17
Bromomethane	µg/L		0.20	<0.20
Chloroethane	µg/L		0.20	<0.20
Trichlorofluoromethane	µg/L		0.40	<0.40
Acetone	µg/L		1.0	<1.0
1,1 Dichloroethylene	µg/L		0.30	<0.30
Methylene Chloride	µg/L		0.30	<0.30
trans- 1,2-dichloroethylene	µg/L		0.20	<0.20
Methyl tert-butyl ether	µg/L		0.20	<0.20
1,1-Dichloroethane	µg/L		0.30	<0.30
Methyl Ethyl Ketone	µg/L		1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L		0.20	<0.20
Chloroform	µg/L		0.20	<0.20
1,2 - Dichloroethane	µg/L		0.20	<0.20
1,1,1-Trichloroethane	µg/L		0.30	<0.30
Carbon Tetrachloride	µg/L		0.20	<0.20
Benzene	µg/L		0.20	<0.20
1,2-Dichloropropane	µg/L		0.20	<0.20
Trichloroethylene	µg/L		0.20	<0.20
Bromodichloromethane	µg/L		0.20	<0.20
cis-1,3-Dichloropropene	ug/L		0.20	<0.20
Methyl Isobutyl Ketone	µg/L		1.0	<1.0
trans-1,3-Dichloropropene	µg/L		0.30	<0.30
1,1,2-Trichloroethane	µg/L		0.20	<0.20
Toluene	µg/L		0.20	<0.20
2-Hexanone	µg/L		0.30	<0.30
Dibromochloromethane	µg/L		0.10	<0.10
Ethylene Dibromide	µg/L		0.20	<0.20
Tetrachloroethylene	µg/L		0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L		0.10	<0.10
Chlorobenzene	µg/L		0.10	<0.10

Certified By:

Judy Takewicki



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O. Regulation 153 - Volatile Organic Compounds in Water

DATE SAMPLED: Jun 01, 2011

DATE RECEIVED: Jun 09, 2011

DATE REPORTED: Jun 10, 2011

SAMPLE TYPE: Water

Parameter	Unit	G / S	RDL	Field Blank
				2462590
Ethylbenzene	µg/L		0.10	<0.10
m & p-Xylene	µg/L		0.20	<0.20
Bromoform	µg/L		0.10	<0.10
Styrene	µg/L		0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L		0.10	<0.10
o-Xylene	µg/L		0.10	<0.10
1,3-Dichlorobenzene	µg/L		0.10	<0.10
1,4-Dichlorobenzene	µg/L		0.10	<0.10
1,2-Dichlorobenzene	µg/L		0.10	<0.10
1,2,4-Trichlorobenzene	µg/L		0.30	<0.30
1,3-Dichloropropene (Cis + Trans)	µg/L		0.30	<0.30
Xylene Mixture (Total)	µg/L		0.20	<0.20
n-Hexane	µg/L		0.20	<0.20
Surrogate	Unit	Acceptable Limits		
Toluene-d8	% Recovery	60-130		102
4-Bromofluorobenzene	% Recovery	70-130		90

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

Certified By:

Jacky Takewiki



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Oil and Grease [water]

DATE SAMPLED: Jun 01, 2011

DATE RECEIVED: Jun 09, 2011

DATE REPORTED: Jun 10, 2011

SAMPLE TYPE: Water

Parameter	Unit	G / S	RDL	ALT-8 2462498	ALT-9 2462506	ALT-10 2462542	Dup 1 2462564	Lab QC 2462638	ALT - 8.2 2462640
Oil and Grease (animal/vegetable)	mg/L		0.5	<0.5	<0.5	0.7	<0.5	0.9	<0.5
Oil and Grease (mineral) in water	mg/L		0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Oil and Grease (Total) in water	mg/L		0.5	<0.5	<0.5	0.9	<0.5	0.9	<0.5

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

Certified By:

Judy Takewicki



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Pb & Phenols (water)

DATE SAMPLED: Jun 01, 2011

DATE RECEIVED: Jun 09, 2011

DATE REPORTED: Jun 10, 2011

SAMPLE TYPE: Water

Parameter	Unit	G / S	RDL	ALT-8 2462498	ALT-9 2462506	ALT-10 2462542	ALT - 8.2 2462640
Lead	µg/L		0.5	1.1	<0.5	1.9	<0.5
Phenols	mg/L		0.001	<0.001	<0.001	0.002	0.001

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

Certified By:

Quality Assurance

CLIENT NAME: DEFENCE CONSTRUCTION CANADA

AGAT WORK ORDER: 11T500322

PROJECT NO: Alert

ATTENTION TO: Chris McRae

Trace Organics Analysis

RPT Date: Jun 10, 2011			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					< 0.5		70%	130%	103%	70%	130%		70%	130%
Oil and Grease (mineral) in water	1					< 0.5		70%	130%	93%	70%	130%		70%	130%
Oil and Grease (Total) in water	1					< 0.5		70%	130%	98%	70%	130%		70%	130%

(P & T) - BTEX - Water (GC/MS)

Benzene	1		< 0.20	< 0.20	0.0%	< 0.20	108%	60%	130%	84%	60%	130%	76%	60%	130%
Toluene	1		< 0.20	< 0.20	0.0%	< 0.20	101%	60%	130%	98%	60%	130%	92%	60%	130%
Ethylbenzene	1		< 0.10	< 0.10	0.0%	< 0.10	90%	60%	130%	86%	60%	130%	78%	60%	130%
m & p-Xylene	1		< 0.20	< 0.20	0.0%	< 0.20	99%	60%	130%	91%	60%	130%	84%	60%	130%
o-Xylene	1		< 0.10	< 0.10	0.0%	< 0.10	78%	60%	130%	78%	60%	130%	75%	60%	130%
Xylene Mixture (Total)	1		< 0.20	< 0.20	0.0%	< 0.20	78%	60%	130%	78%	60%	130%	75%	60%	130%

O. Regulation 153 - Volatile Organic Compounds in Water

Dichlorodifluoromethane	1		< 0.20	< 0.20	0.0%	< 0.20	110%	60%	130%	116%	60%	130%	114%	60%	130%
Chloromethane	1		< 0.40	< 0.40	0.0%	< 0.40	104%	60%	130%	116%	60%	130%	124%	60%	130%
Vinyl Chloride	1		< 0.17	< 0.17	0.0%	< 0.17	115%	60%	130%	118%	60%	130%	123%	60%	130%
Bromomethane	1		< 0.20	< 0.20	0.0%	< 0.20	111%	60%	130%	116%	60%	130%	117%	60%	130%
Chloroethane	1		< 0.20	< 0.20	0.0%	< 0.20	112%	60%	130%	114%	60%	130%	122%	60%	130%
Trichlorofluoromethane	1		< 0.40	< 0.40	0.0%	< 0.40	120%	60%	130%	115%	60%	130%	123%	60%	130%
Acetone	1		< 1.0	< 1.0	0.0%	< 1.0	114%	60%	130%	102%	60%	130%	105%	60%	130%
1,1 Dichloroethylene	1		< 0.30	< 0.30	0.0%	< 0.30	88%	60%	130%	84%	60%	130%	78%	60%	130%
Methylene Chloride	1		< 0.30	< 0.30	0.0%	< 0.30	101%	60%	130%	93%	60%	130%	84%	60%	130%
trans- 1,2-dichloroethylene	1		< 0.20	< 0.20	0.0%	< 0.20	91%	60%	130%	89%	60%	130%	108%	60%	130%
Methyl tert-butyl ether	1		< 0.20	< 0.20	0.0%	< 0.20	75%	60%	130%	71%	60%	130%	74%	60%	130%
1,1-Dichloroethane	1		< 0.30	< 0.30	0.0%	< 0.30	100%	60%	130%	110%	60%	130%	111%	60%	130%
Methyl Ethyl Ketone	1		< 1.0	< 1.0	0.0%	< 1.0	73%	60%	130%	90%	60%	130%	90%	60%	130%
cis- 1,2-Dichloroethylene	1		< 0.20	< 0.20	0.0%	< 0.20	81%	60%	130%	84%	60%	130%	102%	60%	130%
Chloroform	1		< 0.20	< 0.20	0.0%	< 0.20	112%	60%	130%	113%	60%	130%	117%	60%	130%
1,2 - Dichloroethane	1		< 0.20	< 0.20	0.0%	< 0.20	120%	60%	130%	115%	60%	130%	112%	60%	130%
1,1,1-Trichloroethane	1		< 0.30	< 0.30	0.0%	< 0.30	113%	60%	130%	113%	60%	130%	116%	60%	130%
Carbon Tetrachloride	1		< 0.20	< 0.20	0.0%	< 0.20	102%	60%	130%	115%	60%	130%	110%	60%	130%
Benzene	1		< 0.20	< 0.20	0.0%	< 0.20	108%	60%	130%	84%	60%	130%	76%	60%	130%
1,2-Dichloropropane	1		< 0.20	< 0.20	0.0%	< 0.20	98%	60%	130%	95%	60%	130%	97%	60%	130%
Trichloroethylene	1		< 0.20	< 0.20	0.0%	< 0.20	87%	60%	130%	88%	60%	130%	99%	60%	130%
Bromodichloromethane	1		< 0.20	< 0.20	0.0%	< 0.20	108%	60%	130%	117%	60%	130%	100%	60%	130%
cis-1,3-Dichloropropene	1		< 0.20	< 0.20	0.0%	< 0.20	93%	60%	130%	77%	60%	130%	77%	60%	130%
Methyl Isobutyl Ketone	1		< 1.0	< 1.0	0.0%	< 1.0	78%	60%	130%	83%	60%	130%	88%	60%	130%
trans-1,3-Dichloropropene	1		< 0.30	< 0.30	0.0%	< 0.30	76%	60%	130%	78%	60%	130%	87%	60%	130%
1,1,2-Trichloroethane	1		< 0.20	< 0.20	0.0%	< 0.20	103%	60%	130%	99%	60%	130%	94%	60%	130%
Toluene	1		< 0.20	< 0.20	0.0%	< 0.20	101%	60%	130%	98%	60%	130%	92%	60%	130%

AGAT QUALITY ASSURANCE REPORT (V1)

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Results relate only to the items tested

Quality Assurance

CLIENT NAME: DEFENCE CONSTRUCTION CANADA

AGAT WORK ORDER: 11T500322

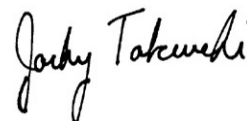
PROJECT NO: Alert

ATTENTION TO: Chris McRae

Trace Organics Analysis (Continued)

RPT Date: Jun 10, 2011			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
2-Hexanone	1		< 0.30	< 0.30	0.0%	< 0.30	95%	60%	130%	83%	60%	130%	88%	60%	130%
Dibromochloromethane	1		< 0.10	< 0.10	0.0%	< 0.10	103%	60%	130%	103%	60%	130%	104%	60%	130%
Ethylene Dibromide	1		< 0.20	< 0.20	0.0%	< 0.20	95%	60%	130%	94%	60%	130%	96%	60%	130%
Tetrachloroethylene	1		< 0.20	< 0.20	0.0%	< 0.20	100%	60%	130%	101%	60%	130%	92%	60%	130%
1,1,1,2-Tetrachloroethane	1		< 0.10	< 0.10	0.0%	< 0.10		60%	130%	113%	60%	130%	107%	60%	130%
Chlorobenzene	1		< 0.10	< 0.10	0.0%	< 0.10	114%	60%	130%	110%	60%	130%	104%	60%	130%
Ethylbenzene	1		< 0.10	< 0.10	0.0%	< 0.10	90%	60%	130%	86%	60%	130%	78%	60%	130%
m & p-Xylene	1		< 0.20	< 0.20	0.0%	< 0.20	99%	60%	130%	91%	60%	130%	84%	60%	130%
Bromoform	1		< 0.10	< 0.10	0.0%	< 0.10	106%	60%	130%	102%	60%	130%	104%	60%	130%
Styrene	1		< 0.10	< 0.10	0.0%	< 0.10	84%	60%	130%	96%	60%	130%	91%	60%	130%
1,1,2,2-Tetrachloroethane	1		< 0.10	< 0.10	0.0%	< 0.10		60%	130%	111%	60%	130%	115%	60%	130%
o-Xylene	1		< 0.10	< 0.10	0.0%	< 0.10	78%	60%	130%	78%	60%	130%	75%	60%	130%
1,3-Dichlorobenzene	1		< 0.10	< 0.10	0.0%	< 0.10	87%	60%	130%	78%	60%	130%	79%	60%	130%
1,4-Dichlorobenzene	1		< 0.10	< 0.10	0.0%	< 0.10	109%	60%	130%	102%	60%	130%	90%	60%	130%
1,2-Dichlorobenzene	1		< 0.10	< 0.10	0.0%	< 0.10	88%	60%	130%	79%	60%	130%	79%	60%	130%
1,2,4-Trichlorobenzene	1		< 0.30	< 0.30	0.0%	< 0.30	97%	60%	130%	78%	60%	130%	78%	60%	130%
1,3-Dichloropropene (Cis + Trans)	1		< 0.30	< 0.30	0.0%	< 0.30	76%	60%	130%	78%	60%	130%	87%	60%	130%
Xylene Mixture (Total)	1		< 0.20	< 0.20	0.0%	< 0.20	78%	60%	130%	78%	60%	130%	75%	60%	130%
n-Hexane	1		< 0.20	< 0.20	0.0%	< 0.20		60%	130%	73%	60%	130%	74%	60%	130%
O. Reg 153 Petroleum Hydrocarbon F2 - F4 in Water															
C>10 - C16 (F2)	1		< 100	< 100	0.0%	< 100	100%	70%	130%	101%	70%	130%		70%	130%
C>16 - C34 (F3)	1		< 100	< 100	0.0%	< 100	100%	70%	130%	104%	70%	130%		70%	130%
C>34 - C50 (F4)	1		< 100	< 100	0.0%	< 100	102%	70%	130%	108%	70%	130%		70%	130%
Oil and Grease [water]															
Oil and Grease (animal/vegetable)	1					< 0.5		70%	130%	106%	70%	130%		70%	130%
Oil and Grease (mineral) in water	1					< 0.5		70%	130%	93%	70%	130%		70%	130%
Oil and Grease (Total) in water	1					< 0.5		70%	130%	100%	70%	130%		70%	130%

Certified By:



Quality Assurance

CLIENT NAME: DEFENCE CONSTRUCTION CANADA

AGAT WORK ORDER: 11T500322

PROJECT NO: Alert

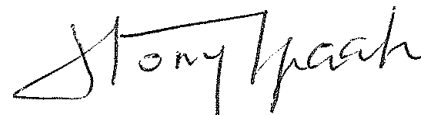
ATTENTION TO: Chris McRae

Water Analysis															
RPT Date: Jun 10, 2011			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

Pb & Phenols (water)

Lead	1		1.2	1.2	0.0%	< 0.5	101%	90%	110%	108%	90%	110%	104%	70%	130%
Phenols	1	2462498	< 0.001	< 0.001	0.0%	< 0.001	100%	90%	110%	107%	90%	110%	98%	80%	120%

Certified By:



Method Summary

CLIENT NAME: DEFENCE CONSTRUCTION CANADA
AGAT WORK ORDER: 11T500322
PROJECT NO: Alert
ATTENTION TO: Chris McRae

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Benzene	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
Toluene	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
Ethylbenzene	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
m & p-Xylene	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
o-Xylene	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
Xylene Mixture (Total)	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
Toluene-d8	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
4-Bromofluorobenzene	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
C>10 - C16 (F2)	VOL-91-5010	MOE E3421	GC / FID
C>16 - C34 (F3)	VOL-91-5010	MOE E3421	GC / FID
C>34 - C50 (F4)	VOL -91- 5010	MOE E3421	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5010	MOE E3421	GRAVIMETRIC ANALYSIS
Dichlorodifluoromethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Chloromethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Vinyl Chloride	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Bromomethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Chloroethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Trichlorofluoromethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Acetone	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,1 Dichloroethylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Methylene Chloride	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
trans- 1,2-dichloroethylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Methyl tert-butyl ether	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,1-Dichloroethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Methyl Ethyl Ketone	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
cis- 1,2-Dichloroethylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Chloroform	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,2 - Dichloroethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,1,1-Trichloroethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Carbon Tetrachloride	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Benzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,2-Dichloropropane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Trichloroethylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Bromodichloromethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
cis-1,3-Dichloropropene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Methyl Isobutyl Ketone	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
trans-1,3-Dichloropropene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,1,2-Trichloroethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Toluene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
2-Hexanone	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Dibromochloromethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Ethylene Dibromide	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Tetrachloroethylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,1,1,2-Tetrachloroethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Chlorobenzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Ethylbenzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
m & p-Xylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Bromoform	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Styrene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS

Method Summary

CLIENT NAME: DEFENCE CONSTRUCTION CANADA

AGAT WORK ORDER: 11T500322

PROJECT NO: Alert

ATTENTION TO: Chris McRae

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
1,1,2,2-Tetrachloroethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
o-Xylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,3-Dichlorobenzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,4-Dichlorobenzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,2-Dichlorobenzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,2,4-Trichlorobenzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,3-Dichloropropene (Cis + Trans)	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Xylene Mixture (Total)	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
n-Hexane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Toluene-d8	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
4-Bromofluorobenzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
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
Water Analysis			
Lead	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Phenols	INOR-93-6050	MOE ROPHEN-E 3179 & SM 5530 D	TECHNICON AUTO ANALYZER

