

CHAIN OF CUSTODY DOCUMENTATION



ALS Laboratory Group

CLIENT: Gilbert & Sutherland

SAMPLER: Jack Worcester

ADDRESS / OFFICE: 5/232 Robina Town Centre Drive, Robina

MOBILE:

PROJECT MANAGER (PM): Jack Worcester

PHONE: 07 5578 9944

PROJECT ID: 10468

EMAIL REPORT TO: worcester.jw@access.gs

SITE: Kings Forest P.O. No.:

EMAIL INVOICE TO: Debra Endres (endres.dj@groupgs.com)

RESULTS REQUIRED (Date): QUOTE NO.:

ANALYSIS REQUIRED including SUITES (note - suite codes must be listed to attract suite prices)

FOR LABORATORY USE ONLY
 COOLER SEAL (circle appropriate)
 Intact: Yes No N/A
 SAMPLE TEMPERATURE
 CHILLED: Yes No

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

NEPM 8 Suite metals	OC/OP pesticides	TPH (C6-C9)	BTEX																
X	X																		

Notes:

SAMPLE INFORMATION (note: S = Soil, W=Water) CONTAINER INFORMATION

ALS ID	SAMPLE ID	MATRIX	DATE	Time	Type / Code	Total bottles	NEPM 8 Suite metals	OC/OP pesticides	TPH (C6-C9)	BTEX									
79	BH30 0.0-0.15	Soil	27.01.11	PM	Ice/chill	1	X	X											
80	BH30 0.2-0.3	Soil	27.01.11	PM	Ice/chill	1	HOLD SAMPLE												
81	BH31 0.0-0.15	Soil	27.01.11	PM	Ice/chill	1	X	X											
82	BH31 0.2-0.3	Soil	27.01.11	PM	Ice/chill	1	HOLD SAMPLE												
83	BH32 0.0-0.15	Soil	27.01.11	PM	Ice/chill	1	X	X											
84	BH32 0.2-0.3	Soil	27.01.11	PM	Ice/chill	1	HOLD SAMPLE												
85	QC1	Soil	27.01.11	PM	Ice/chill	1	X	X											
86	Rinsate 1	Water	27.01.11	PM	Ice/chill	1	X	X											
89	Trip blank 1	Water	27.01.11	PM	Ice/chill	1			X	X									

RELINQUISHED BY:

RECEIVED BY:

METHOD OF SHIPMENT

Name: Jack Worcester Date: 28.01.11
 Of: Gilbert & Sutherland Time: 10:30am

Name: *JOSH D* Date: *31.1.11*
 Of: *ALS* Time: *0930*

Con' Note No:
 Transport Co:

Water Container Codes: P = Unpreserved Plastic; N = Nitric Preserved Plastic; ORC = Nitric Preserved ORC; SH = Sodium Hydroxide/Cd Preserved; S = Sodium Hydroxide Preserved Plastic; AG = Amber Glass Unpreserved;
 V = VOA Vial HCl Preserved; VS = VOA Vial Sulphuric Preserved; SG = Sulfuric Preserved Amber Glass; H = HCl preserved Plastic; HS = HCl preserved Speciation bottle; SP = Sulfuric Preserved Plastic; F = Formaldehyde Preserved Glass;
 Z = Zinc Acetate Preserved Bottle; E = EDTA Preserved Bottles; ST = Sterile Bottle; ASS = Plastic Bag for Acid Sulphate Soils; B = Unpreserved Bag.



Environmental Division

SAMPLE RECEIPT NOTIFICATION (SRN)
Comprehensive Report

Work Order : EB1101638

Client	: GILBERT & SUTHERLAND PTY LTD	Laboratory	: Environmental Division Brisbane
Contact	: MR JACK WORCESTER	Contact	: Milan Pavasovic
Address	: P O BOX 4115 ROBINA QLD, AUSTRALIA 4230	Address	: 32 Shand Street Stafford QLD Australia 4053
E-mail	: worcester.jw@access.gs	E-mail	: milan.pavasovic@alsglobal.com
Telephone	: +61 07 55789944	Telephone	: +61 7 3243 7129
Facsimile	: +61 07 55789945	Facsimile	: +61 7 3243 7218
Project	: 10468	Page	: 1 of 4
Order number	: ----		
C-O-C number	: ----	Quote number	: EB2010GILSUT0312 (BN/220/10)
Site	: KINGS FOREST		
Sampler	: Jack Worcester	QC Level	: NEPM 1999 Schedule B(3) and ALS QCS3 requirement

Dates

Date Samples Received	: 31-JAN-2011	Issue Date	: 02-FEB-2011 11:30
Client Requested Due Date	: 09-FEB-2011	Scheduled Reporting Date	: 09-FEB-2011

Delivery Details

Mode of Delivery	: Carrier	Temperature	: 24.2°C - Ice bricks present
No. of coolers/boxes	: 1 MEDIUM	No. of samples received	: 55
Security Seal	: Intact.	No. of samples analysed	: 34

General Comments

- This report contains the following information:
 - Sample Container(s)/Preservation Non-Compliances
 - Summary of Sample(s) and Requested Analysis
 - Requested Deliverables
- **Samples received in appropriately pretreated and preserved containers.**
- **Sample(s) have been received within recommended holding times.**
- **Please be advised that due to container non-compliance and insufficient volume we are unable to analyse sample Rinsate 1 for OC/OP Pesticides.**
- Discounted Package Prices apply only when specific ALS Group Codes ('W', 'S', 'NT' suites) are referenced on COCs.
- Please direct any turn around / technical queries to the laboratory contact designated above.
- Please direct any queries related to sample condition / numbering / breakages to Matt Goodwin.
- Analytical work for this work order will be conducted at ALS Brisbane.
- Sample Disposal - Aqueous (14 days), Solid (90 days) from date of completion of work order.



Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- No sample container / preservation non-compliance exist.

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Matrix: SOIL

Laboratory sample ID	Client sampling date / time	Client sample ID	(On Hold) SOIL No analysis requested	SOIL - EP068AB (solids) Pesticides (OC/OP)	SOIL - S-02 & Metals (incl. Digestion)	SOIL - S-06 TPH/BTEX/Pb	SOIL - S-14A PAH/Phenols (16 PAH - SIM)
EB1101638-001	27-JAN-2011 15:00	BH1 0.0-0.15		✓	✓		
EB1101638-002	27-JAN-2011 15:00	BH1 0.2-0.3	✓				
EB1101638-003	27-JAN-2011 15:00	BH2 0.0-0.15		✓	✓	✓	✓
EB1101638-004	27-JAN-2011 15:00	BH2 0.2-0.3		✓	✓	✓	✓
EB1101638-005	27-JAN-2011 15:00	BH3 0.0-0.15				✓	✓
EB1101638-006	27-JAN-2011 15:00	BH3 0.2-0.3				✓	✓
EB1101638-007	27-JAN-2011 15:00	BH4 0.0-0.15				✓	✓
EB1101638-008	27-JAN-2011 15:00	BH4 0.2-0.3				✓	✓
EB1101638-009	24-JAN-2011 15:00	BH5 0.0-0.15				✓	✓
EB1101638-010	24-JAN-2011 15:00	BH5 0.2-0.3				✓	✓
EB1101638-011	24-JAN-2011 15:00	BH6 0.0-0.15				✓	✓
EB1101638-012	24-JAN-2011 15:00	BH6 0.2-0.3				✓	✓
EB1101638-013	24-JAN-2011 15:00	BH7 0.0-0.15		✓	✓		
EB1101638-014	24-JAN-2011 15:00	BH7 0.2-0.3	✓				
EB1101638-015	24-JAN-2011 15:00	BH8 0.0-0.15		✓	✓		
EB1101638-016	24-JAN-2011 15:00	BH8 0.2-0.3	✓				
EB1101638-017	24-JAN-2011 15:00	BH9 0.0-0.15		✓	✓		
EB1101638-018	24-JAN-2011 15:00	BH9 0.2-0.3	✓				
EB1101638-019	24-JAN-2011 15:00	BH10 0.0-0.15		✓	✓		
EB1101638-020	24-JAN-2011 15:00	BH10 0.2-0.3	✓				
EB1101638-021	27-JAN-2011 15:00	BH11 0.0-0.15		✓	✓		
EB1101638-022	27-JAN-2011 15:00	BH11 0.2-0.3	✓				
EB1101638-023	27-JAN-2011 15:00	BH12 0.0-0.15		✓	✓		
EB1101638-024	27-JAN-2011 15:00	BH12 0.2-0.3	✓				
EB1101638-025	27-JAN-2011 15:00	BH13 0.0-0.15		✓	✓		
EB1101638-026	27-JAN-2011 15:00	BH13 0.2-0.3	✓				
EB1101638-027	27-JAN-2011 15:00	BH14 0.0-0.15		✓	✓		
EB1101638-028	27-JAN-2011 15:00	BH14 0.2-0.3	✓				
EB1101638-029	27-JAN-2011 15:00	BH15 0.0-0.15		✓	✓		
EB1101638-030	27-JAN-2011 15:00	BH15 0.2-0.3	✓				
EB1101638-033	27-JAN-2011 15:00	BH17 0.0-0.15		✓	✓		
EB1101638-034	27-JAN-2011 15:00	BH17 0.2-0.3	✓				
EB1101638-035	27-JAN-2011 15:00	BH18 0.0-0.15		✓	✓		
EB1101638-036	27-JAN-2011 15:00	BH18 0.2-0.3	✓				
EB1101638-037	27-JAN-2011 15:00	BH19 0.0-0.15		✓	✓		



			(On Hold) SOIL No analysis requested	SOIL - EP068AB (solids) Pesticides (OC/OP)	SOIL - S-02 8 Metals (incl. Digestion)	SOIL - S-06 TPH/BTEX/Pb	SOIL - S-14A PAH/Phenols (16 PAH - SIM)
EB1101638-038	27-JAN-2011 15:00	BH19 0.2-0.3	✓				
EB1101638-039	27-JAN-2011 15:00	BH20 0.0-0.15		✓	✓		
EB1101638-040	27-JAN-2011 15:00	BH20 0.2-0.3	✓				
EB1101638-041	27-JAN-2011 15:00	BH21 0.0-0.15		✓	✓		
EB1101638-042	27-JAN-2011 15:00	BH21 0.2-0.3	✓				
EB1101638-043	27-JAN-2011 15:00	BH22 0.0-0.15		✓	✓		
EB1101638-044	27-JAN-2011 15:00	BH22 0.2-0.3	✓				
EB1101638-045	27-JAN-2011 15:00	BH28 0.0-0.15		✓	✓		
EB1101638-046	27-JAN-2011 15:00	BH28 0.2-0.3	✓				
EB1101638-047	27-JAN-2011 15:00	BH29 0.0-0.15		✓	✓		
EB1101638-048	27-JAN-2011 15:00	BH29 0.2-0.3	✓				
EB1101638-049	27-JAN-2011 15:00	BH30 0.0-0.15		✓	✓		
EB1101638-050	27-JAN-2011 15:00	BH30 0.2-0.3	✓				
EB1101638-051	27-JAN-2011 15:00	BH31 0.0-0.15		✓	✓		
EB1101638-052	27-JAN-2011 15:00	BH31 0.2-0.3	✓				
EB1101638-053	27-JAN-2011 15:00	BH32 0.0-0.15		✓	✓		
EB1101638-054	27-JAN-2011 15:00	BH32 0.2-0.3	✓				
EB1101638-055	27-JAN-2011 15:00	QC1		✓	✓		

Matrix: **WATER**

Laboratory sample ID	Client sampling date / time	Client sample ID	WATER - W-02T 8 metals (Total)	WATER - W-18 TPH(C6 - C9)/BTEX
EB1101638-056	27-JAN-2011 15:00	Rinsate 1	✓	
EB1101638-057	27-JAN-2011 15:00	Trip Blank 1		✓



Requested Deliverables

MR JACK WORCESTER

- | | | |
|---|-------|------------------------|
| - *AU Certificate of Analysis - NATA (COA) | Email | worcester.jw@access.gs |
| - *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) | Email | worcester.jw@access.gs |
| - *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) | Email | worcester.jw@access.gs |
| - A4 - AU Sample Receipt Notification - Environmental (SRN) | Email | worcester.jw@access.gs |
| - Chain of Custody (CoC) (COC) | Email | worcester.jw@access.gs |
| - EDI Format - ENMRG (ENMRG) | Email | worcester.jw@access.gs |
| - EDI Format - XTab (XTAB) | Email | worcester.jw@access.gs |

MS DEBBIE ENDRES

- | | | |
|-------------------------------|-------|---------------------|
| - A4 - AU Tax Invoice (INV) | Email | endres.dj@access.gs |
|-------------------------------|-------|---------------------|



Environmental Division

CERTIFICATE OF ANALYSIS

Work Order	: EB1101638	Page	: 1 of 22
Client	: GILBERT & SUTHERLAND PTY LTD	Laboratory	: Environmental Division Brisbane
Contact	: MR JACK WORCESTER	Contact	: Milan Pavasovic
Address	: P O BOX 4115	Address	: 32 Shand Street Stafford QLD Australia 4053
	ROBINA QLD, AUSTRALIA 4230		
E-mail	: worcester.jw@access.gs	E-mail	: milan.pavasovic@alsglobal.com
Telephone	: +61 07 55789944	Telephone	: +61 7 3243 7129
Facsimile	: +61 07 55789945	Facsimile	: +61 7 3243 7218
Project	: 10468	QC Level	: NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Order number	: ----		
C-O-C number	: ----	Date Samples Received	: 31-JAN-2011
Sampler	: Jack Worcester	Issue Date	: 10-FEB-2011
Site	: KINGS FOREST		
Quote number	: BN/220/10	No. of samples received	: 55
		No. of samples analysed	: 34

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits



NATA Accredited Laboratory 825

This document is issued in accordance with NATA accreditation requirements.

Accredited for compliance with ISO/IEC 17025.

Signatories

This document has been electronically signed by the authorized signatories indicated below. Electronic signing has been carried out in compliance with procedures specified in 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Accreditation Category</i>
Kim McCabe	Senior Inorganic Chemist	Inorganics
Matt Frost	Senior Organic Chemist	Inorganics
Matt Frost	Senior Organic Chemist	Organics

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Part of the **ALS Laboratory Group**

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General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

LOR = Limit of reporting

^ = This result is computed from individual analyte detections at or above the level of reporting

- **Pesticides: Results for Demeton-S-methyl should be scrutinised as QC data indicates abnormally low recovery.**
- **Pesticides: Sample BH2 shows poor matrix spike recovery due to matrix interference. Confirmed by re-extraction and re-analysis.**
- **Pesticides: Sample BH31 shows poor matrix spike recovery due to matrix interference.**



Analytical Results

Sub-Matrix: SOIL

Client sample ID

Client sampling date / time

Compound	CAS Number	LOR	Unit	BH1	BH2	BH2	BH3	BH3
				0.0-0.15	0.0-0.15	0.2-0.3	0.0-0.15	0.2-0.3
				27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00
				EB1101638-001	EB1101638-003	EB1101638-004	EB1101638-005	EB1101638-006
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1.0	%	15.9	27.9	21.5	29.9	32.9
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	<5	----	----	----	----
Cadmium	7440-43-9	1	mg/kg	<1	----	----	----	----
Chromium	7440-47-3	2	mg/kg	6	----	----	----	----
Copper	7440-50-8	5	mg/kg	12	----	----	----	----
Lead	7439-92-1	5	mg/kg	11	9	<5	9	<5
Nickel	7440-02-0	2	mg/kg	3	----	----	----	----
Zinc	7440-66-6	5	mg/kg	77	----	----	----	----
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	<0.1	----	----
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
gamma-BHC	58-89-9	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
delta-BHC	319-86-8	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Heptachlor	76-44-8	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Aldrin	309-00-2	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Dieldrin	60-57-1	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
4,4'-DDE	72-55-9	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Endrin	72-20-8	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
4,4'-DDD	72-54-8	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
4,4'-DDT	50-29-3	0.2	mg/kg	<0.2	<0.2	<0.2	----	----
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	<0.2	<0.2	----	----
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-73-7	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	<0.2	<0.2	----	----



Analytical Results

Sub-Matrix: SOIL

Client sample ID

Client sampling date / time

Compound	CAS Number	LOR	Unit	BH1	BH2	BH2	BH3	BH3
				0.0-0.15	0.0-0.15	0.2-0.3	0.0-0.15	0.2-0.3
				27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00
				EB1101638-001	EB1101638-003	EB1101638-004	EB1101638-005	EB1101638-006
EP068B: Organophosphorus Pesticides (OP) - Continued								
Dimethoate	60-51-5	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Diazinon	333-41-5	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	<0.2	<0.2	----	----
Malathion	121-75-5	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Fenthion	55-38-9	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Parathion	56-38-2	0.2	mg/kg	<0.2	<0.2	<0.2	----	----
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Prothiofos	34643-46-4	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Ethion	563-12-2	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Carbophenothion	786-19-6	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	<0.05	<0.05	----	----
EP075(SIM)A: Phenolic Compounds								
Phenol	108-95-2	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
2-Chlorophenol	95-57-8	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
2-Methylphenol	95-48-7	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
3- & 4-Methylphenol	1319-77-3	1.0	mg/kg	----	<1.0	<1.0	<1.0	<1.0
2-Nitrophenol	88-75-5	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
2,4-Dimethylphenol	105-67-9	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
2,4-Dichlorophenol	120-83-2	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
2,6-Dichlorophenol	87-65-0	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
4-Chloro-3-Methylphenol	59-50-7	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
2,4,6-Trichlorophenol	88-06-2	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
2,4,5-Trichlorophenol	95-95-4	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Pentachlorophenol	87-86-5	2.0	mg/kg	----	<2.0	<2.0	<2.0	<2.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Acenaphthylene	208-96-8	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Acenaphthene	83-32-9	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Fluorene	86-73-7	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Phenanthrene	85-01-8	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Anthracene	120-12-7	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Fluoranthene	206-44-0	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5



Analytical Results

Sub-Matrix: SOIL

Client sample ID

Client sampling date / time

Compound	CAS Number	LOR	Unit	BH1	BH2	BH2	BH3	BH3
				0.0-0.15	0.0-0.15	0.2-0.3	0.0-0.15	0.2-0.3
				27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00
				EB1101638-001	EB1101638-003	EB1101638-004	EB1101638-005	EB1101638-006
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued								
Pyrene	129-00-0	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Benz(a)anthracene	56-55-3	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Chrysene	218-01-9	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Benzo(b)fluoranthene	205-99-2	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene	50-32-8	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Dibenz(a,h)anthracene	53-70-3	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Benzo(g,h,i)perylene	191-24-2	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	----	<10	<10	<10	12
C10 - C14 Fraction	----	50	mg/kg	----	<50	<50	90	250
C15 - C28 Fraction	----	100	mg/kg	----	<100	<100	920	1260
C29 - C36 Fraction	----	100	mg/kg	----	<100	<100	<100	<100
^ C10 - C36 Fraction (sum)	----	50	mg/kg	----	<50	<50	1010	1510
EP080: BTEX								
Benzene	71-43-2	0.2	mg/kg	----	<0.2	<0.2	<0.2	<0.2
Toluene	108-88-3	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
ortho-Xylene	95-47-6	0.5	mg/kg	----	<0.5	<0.5	<0.5	<0.5
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.1	%	81.4	65.5	77.7	----	----
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.1	%	85.7	68.6	78.6	----	----
EP075(SIM)S: Phenolic Compound Surrogates								
Phenol-d6	13127-88-3	0.1	%	----	84.0	80.6	84.9	79.4
2-Chlorophenol-D4	93951-73-6	0.1	%	----	88.7	82.8	87.7	75.3
2,4,6-Tribromophenol	118-79-6	0.1	%	----	99.8	80.2	104	106
EP075(SIM)T: PAH Surrogates								
2-Fluorobiphenyl	321-60-8	0.1	%	----	90.1	78.9	99.3	92.4
Anthracene-d10	1719-06-8	0.1	%	----	89.6	92.2	103	96.5
4-Terphenyl-d14	1718-51-0	0.1	%	----	121	104	129	116
EP080S: TPH(V)/BTEX Surrogates								
1,2-Dichloroethane-D4	17060-07-0	0.1	%	----	76.8	96.9	69.8	75.5
Toluene-D8	2037-26-5	0.1	%	----	69.1	93.7	73.5	74.9



Analytical Results

Sub-Matrix: SOIL

Client sample ID

Client sampling date / time

				BH1 0.0-0.15	BH2 0.0-0.15	BH2 0.2-0.3	BH3 0.0-0.15	BH3 0.2-0.3
				27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00
Compound	CAS Number	LOR	Unit	EB1101638-001	EB1101638-003	EB1101638-004	EB1101638-005	EB1101638-006
EP080S: TPH(V)/BTEX Surrogates - Continued								
4-Bromofluorobenzene	460-00-4	0.1	%	----	72.0	89.4	78.4	84.9



Analytical Results

Sub-Matrix: SOIL

Client sample ID

Client sampling date / time

				BH4 0.0-0.15	BH4 0.2-0.3	BH5 0.0-0.15	BH5 0.2-0.3	BH6 0.0-0.15
				27-JAN-2011 15:00	27-JAN-2011 15:00	24-JAN-2011 15:00	24-JAN-2011 15:00	24-JAN-2011 15:00
Compound	CAS Number	LOR	Unit	EB1101638-007	EB1101638-008	EB1101638-009	EB1101638-010	EB1101638-011
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1.0	%	23.6	18.8	8.9	22.7	28.7
EG005T: Total Metals by ICP-AES								
Lead	7439-92-1	5	mg/kg	6	<5	<5	<5	<5
EP075(SIM)A: Phenolic Compounds								
Phenol	108-95-2	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chlorophenol	95-57-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
2-Methylphenol	95-48-7	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
3- & 4-Methylphenol	1319-77-3	1.0	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
2-Nitrophenol	88-75-5	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dimethylphenol	105-67-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dichlorophenol	120-83-2	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
2,6-Dichlorophenol	87-65-0	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
4-Chloro-3-Methylphenol	59-50-7	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
2,4,6-Trichlorophenol	88-06-2	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
2,4,5-Trichlorophenol	95-95-4	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Pentachlorophenol	87-86-5	2.0	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Fluorene	86-73-7	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Anthracene	120-12-7	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Pyrene	129-00-0	0.5	mg/kg	<0.5	0.7	<0.5	<0.5	<0.5
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chrysene	218-01-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(b)fluoranthene	205-99-2	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Dibenz(a,h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(g,h,i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	18	<10	<10	<10
C10 - C14 Fraction	----	50	mg/kg	640	2500	<50	<50	<50
C15 - C28 Fraction	----	100	mg/kg	5610	14100	<100	<100	<100



Analytical Results

Sub-Matrix: SOIL

Client sample ID

Client sampling date / time

				BH4 0.0-0.15	BH4 0.2-0.3	BH5 0.0-0.15	BH5 0.2-0.3	BH6 0.0-0.15
				27-JAN-2011 15:00	27-JAN-2011 15:00	24-JAN-2011 15:00	24-JAN-2011 15:00	24-JAN-2011 15:00
Compound	CAS Number	LOR	Unit	EB1101638-007	EB1101638-008	EB1101638-009	EB1101638-010	EB1101638-011
EP080/071: Total Petroleum Hydrocarbons - Continued								
C29 - C36 Fraction	----	100	mg/kg	180	120	160	<100	<100
^ C10 - C36 Fraction (sum)	----	50	mg/kg	6430	16700	160	<50	<50
EP080: BTEX								
Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
EP075(SIM)S: Phenolic Compound Surrogates								
Phenol-d6	13127-88-3	0.1	%	82.2	78.3	84.8	80.5	78.0
2-Chlorophenol-D4	93951-73-6	0.1	%	85.5	78.0	94.9	84.2	75.2
2,4,6-Tribromophenol	118-79-6	0.1	%	91.6	110	95.2	85.7	94.1
EP075(SIM)T: PAH Surrogates								
2-Fluorobiphenyl	321-60-8	0.1	%	105	111	109	91.8	84.0
Anthracene-d10	1719-06-8	0.1	%	96.1	101	89.4	88.9	86.7
4-Terphenyl-d14	1718-51-0	0.1	%	105	108	126	117	117
EP080S: TPH(V)/BTEX Surrogates								
1,2-Dichloroethane-D4	17060-07-0	0.1	%	75.6	72.4	98.6	71.3	87.5
Toluene-D8	2037-26-5	0.1	%	76.2	70.3	101	72.0	91.8
4-Bromofluorobenzene	460-00-4	0.1	%	81.2	78.5	94.1	80.1	94.7



Analytical Results

Sub-Matrix: SOIL

Client sample ID

Client sampling date / time

				BH6 0.2-0.3	BH7 0.0-0.15	BH8 0.0-0.15	BH9 0.0-0.15	BH10 0.0-0.15
				24-JAN-2011 15:00	24-JAN-2011 15:00	24-JAN-2011 15:00	24-JAN-2011 15:00	24-JAN-2011 15:00
Compound	CAS Number	LOR	Unit	EB1101638-012	EB1101638-013	EB1101638-015	EB1101638-017	EB1101638-019
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1.0	%	26.7	16.3	19.8	21.3	17.0
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	----	<5	<5	<5	<5
Cadmium	7440-43-9	1	mg/kg	----	<1	<1	<1	<1
Chromium	7440-47-3	2	mg/kg	----	13	15	11	12
Copper	7440-50-8	5	mg/kg	----	16	10	12	10
Lead	7439-92-1	5	mg/kg	<5	13	8	7	6
Nickel	7440-02-0	2	mg/kg	----	9	12	8	9
Zinc	7440-66-6	5	mg/kg	----	80	83	72	64
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	----	<0.1	<0.1	<0.1	<0.1
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
beta-BHC	319-85-7	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
gamma-BHC	58-89-9	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
delta-BHC	319-86-8	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Heptachlor	76-44-8	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Aldrin	309-00-2	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Heptachlor epoxide	1024-57-3	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
trans-Chlordane	5103-74-2	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
alpha-Endosulfan	959-98-8	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
cis-Chlordane	5103-71-9	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Dieldrin	60-57-1	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
4,4'-DDE	72-55-9	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Endrin	72-20-8	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
beta-Endosulfan	33213-65-9	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
4,4'-DDD	72-54-8	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Endrin aldehyde	7421-93-4	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Endosulfan sulfate	1031-07-8	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
4,4'-DDT	50-29-3	0.2	mg/kg	----	<0.2	<0.2	<0.2	<0.2
Endrin ketone	53494-70-5	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Methoxychlor	72-43-5	0.2	mg/kg	----	<0.2	<0.2	<0.2	<0.2
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-73-7	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Demeton-S-methyl	919-86-8	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Monocrotophos	6923-22-4	0.2	mg/kg	----	<0.2	<0.2	<0.2	<0.2



Analytical Results

Sub-Matrix: SOIL

Client sample ID

Client sampling date / time

Compound	CAS Number	LOR	Unit	BH6	BH7	BH8	BH9	BH10
				0.2-0.3	0.0-0.15	0.0-0.15	0.0-0.15	0.0-0.15
				24-JAN-2011 15:00	24-JAN-2011 15:00	24-JAN-2011 15:00	24-JAN-2011 15:00	24-JAN-2011 15:00
				EB1101638-012	EB1101638-013	EB1101638-015	EB1101638-017	EB1101638-019
EP068B: Organophosphorus Pesticides (OP) - Continued								
Dimethoate	60-51-5	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Diazinon	333-41-5	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Parathion-methyl	298-00-0	0.2	mg/kg	----	<0.2	<0.2	<0.2	<0.2
Malathion	121-75-5	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Fenthion	55-38-9	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Chlorpyrifos	2921-88-2	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Parathion	56-38-2	0.2	mg/kg	----	<0.2	<0.2	<0.2	<0.2
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Chlorfenvinphos	470-90-6	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Bromophos-ethyl	4824-78-6	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Fenamiphos	22224-92-6	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Prothiofos	34643-46-4	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Ethion	563-12-2	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Carbophenothion	786-19-6	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Azinphos Methyl	86-50-0	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
EP075(SIM)A: Phenolic Compounds								
Phenol	108-95-2	0.5	mg/kg	<0.5	----	----	----	----
2-Chlorophenol	95-57-8	0.5	mg/kg	<0.5	----	----	----	----
2-Methylphenol	95-48-7	0.5	mg/kg	<0.5	----	----	----	----
3- & 4-Methylphenol	1319-77-3	1.0	mg/kg	<1.0	----	----	----	----
2-Nitrophenol	88-75-5	0.5	mg/kg	<0.5	----	----	----	----
2,4-Dimethylphenol	105-67-9	0.5	mg/kg	<0.5	----	----	----	----
2,4-Dichlorophenol	120-83-2	0.5	mg/kg	<0.5	----	----	----	----
2,6-Dichlorophenol	87-65-0	0.5	mg/kg	<0.5	----	----	----	----
4-Chloro-3-Methylphenol	59-50-7	0.5	mg/kg	<0.5	----	----	----	----
2,4,6-Trichlorophenol	88-06-2	0.5	mg/kg	<0.5	----	----	----	----
2,4,5-Trichlorophenol	95-95-4	0.5	mg/kg	<0.5	----	----	----	----
Pentachlorophenol	87-86-5	2.0	mg/kg	<2.0	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	<0.5	----	----	----	----
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	----	----	----	----
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	----	----	----	----
Fluorene	86-73-7	0.5	mg/kg	<0.5	----	----	----	----
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	----	----	----	----
Anthracene	120-12-7	0.5	mg/kg	<0.5	----	----	----	----
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	----	----	----	----



Analytical Results

Sub-Matrix: SOIL

Client sample ID

Client sampling date / time

Compound	CAS Number	LOR	Unit	BH6	BH7	BH8	BH9	BH10
				0.2-0.3	0.0-0.15	0.0-0.15	0.0-0.15	0.0-0.15
				24-JAN-2011 15:00	24-JAN-2011 15:00	24-JAN-2011 15:00	24-JAN-2011 15:00	24-JAN-2011 15:00
				EB1101638-012	EB1101638-013	EB1101638-015	EB1101638-017	EB1101638-019
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued								
Pyrene	129-00-0	0.5	mg/kg	<0.5	----	----	----	----
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	----	----	----	----
Chrysene	218-01-9	0.5	mg/kg	<0.5	----	----	----	----
Benzo(b)fluoranthene	205-99-2	0.5	mg/kg	<0.5	----	----	----	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	----	----	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	----	----	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	----	----	----	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	0.5	mg/kg	<0.5	----	----	----	----
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	----	----	----	----
C10 - C14 Fraction	----	50	mg/kg	<50	----	----	----	----
C15 - C28 Fraction	----	100	mg/kg	<100	----	----	----	----
C29 - C36 Fraction	----	100	mg/kg	<100	----	----	----	----
^ C10 - C36 Fraction (sum)	----	50	mg/kg	<50	----	----	----	----
EP080: BTEX								
Benzene	71-43-2	0.2	mg/kg	<0.2	----	----	----	----
Toluene	108-88-3	0.5	mg/kg	<0.5	----	----	----	----
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	----	----	----	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	----	----	----	----
ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	----	----	----	----
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.1	%	----	78.0	70.5	80.8	81.1
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.1	%	----	77.7	72.1	83.8	81.4
EP075(SIM)S: Phenolic Compound Surrogates								
Phenol-d6	13127-88-3	0.1	%	78.3	----	----	----	----
2-Chlorophenol-D4	93951-73-6	0.1	%	79.6	----	----	----	----
2,4,6-Tribromophenol	118-79-6	0.1	%	104	----	----	----	----
EP075(SIM)T: PAH Surrogates								
2-Fluorobiphenyl	321-60-8	0.1	%	90.1	----	----	----	----
Anthracene-d10	1719-06-8	0.1	%	90.4	----	----	----	----
4-Terphenyl-d14	1718-51-0	0.1	%	117	----	----	----	----
EP080S: TPH(V)/BTEX Surrogates								
1,2-Dichloroethane-D4	17060-07-0	0.1	%	70.1	----	----	----	----
Toluene-D8	2037-26-5	0.1	%	76.2	----	----	----	----



Analytical Results

Sub-Matrix: SOIL

Client sample ID

Client sampling date / time

				BH6 0.2-0.3	BH7 0.0-0.15	BH8 0.0-0.15	BH9 0.0-0.15	BH10 0.0-0.15
				24-JAN-2011 15:00	24-JAN-2011 15:00	24-JAN-2011 15:00	24-JAN-2011 15:00	24-JAN-2011 15:00
Compound	CAS Number	LOR	Unit	EB1101638-012	EB1101638-013	EB1101638-015	EB1101638-017	EB1101638-019
EP080S: TPH(V)/BTEX Surrogates - Continued								
4-Bromofluorobenzene	460-00-4	0.1	%	80.0	----	----	----	----



Analytical Results

Sub-Matrix: SOIL

Client sample ID

Client sampling date / time

				BH11 0.0-0.15	BH12 0.0-0.15	BH13 0.0-0.15	BH14 0.0-0.15	BH15 0.0-0.15
				27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00
Compound	CAS Number	LOR	Unit	EB1101638-021	EB1101638-023	EB1101638-025	EB1101638-027	EB1101638-029
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1.0	%	16.3	20.1	21.3	24.3	23.9
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	<5	<5	<5	<5	<5
Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1
Chromium	7440-47-3	2	mg/kg	10	8	16	22	28
Copper	7440-50-8	5	mg/kg	6	81	20	15	19
Lead	7439-92-1	5	mg/kg	<5	<5	<5	<5	<5
Nickel	7440-02-0	2	mg/kg	8	6	22	14	24
Zinc	7440-66-6	5	mg/kg	55	48	60	52	92
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	0.1	<0.1	0.1
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
gamma-BHC	58-89-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
delta-BHC	319-86-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor	76-44-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Aldrin	309-00-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Dieldrin	60-57-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDE	72-55-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Endrin	72-20-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDD	72-54-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDT	50-29-3	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-73-7	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2



Analytical Results

Sub-Matrix: SOIL

Client sample ID

Client sampling date / time

				BH11 0.0-0.15	BH12 0.0-0.15	BH13 0.0-0.15	BH14 0.0-0.15	BH15 0.0-0.15
				27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00
Compound	CAS Number	LOR	Unit	EB1101638-021	EB1101638-023	EB1101638-025	EB1101638-027	EB1101638-029
EP068B: Organophosphorus Pesticides (OP) - Continued								
Dimethoate	60-51-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Diazinon	333-41-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	121-75-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Fenthion	55-38-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Parathion	56-38-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Prothiofos	34643-46-4	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Ethion	563-12-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Carbophenothion	786-19-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.1	%	86.0	85.0	90.0	88.3	78.6
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.1	%	84.7	82.4	87.4	85.8	76.3



Analytical Results

Sub-Matrix: SOIL

Client sample ID

Client sampling date / time

				BH17 0.0-0.15	BH18 0.0-0.15	BH19 0.0-0.15	BH20 0.0-0.15	BH21 0.0-0.15
				27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00
Compound	CAS Number	LOR	Unit	EB1101638-033	EB1101638-035	EB1101638-037	EB1101638-039	EB1101638-041
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1.0	%	23.5	23.6	20.4	23.0	19.7
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	<5	<5	<5	<5	<5
Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1
Chromium	7440-47-3	2	mg/kg	32	18	26	26	31
Copper	7440-50-8	5	mg/kg	12	14	19	15	15
Lead	7439-92-1	5	mg/kg	<5	<5	<5	<5	<5
Nickel	7440-02-0	2	mg/kg	19	19	21	21	20
Zinc	7440-66-6	5	mg/kg	71	58	74	64	78
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	0.1	0.1	0.2	0.1	0.1
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
gamma-BHC	58-89-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
delta-BHC	319-86-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor	76-44-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Aldrin	309-00-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Dieldrin	60-57-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDE	72-55-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Endrin	72-20-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDD	72-54-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDT	50-29-3	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-73-7	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2



Analytical Results

Sub-Matrix: SOIL

Client sample ID

Client sampling date / time

Compound	CAS Number	LOR	Unit	BH17	BH18	BH19	BH20	BH21
				0.0-0.15	0.0-0.15	0.0-0.15	0.0-0.15	0.0-0.15
				27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00
				EB1101638-033	EB1101638-035	EB1101638-037	EB1101638-039	EB1101638-041
EP068B: Organophosphorus Pesticides (OP) - Continued								
Dimethoate	60-51-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Diazinon	333-41-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	121-75-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Fenthion	55-38-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Parathion	56-38-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Prothiofos	34643-46-4	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Ethion	563-12-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Carbophenothion	786-19-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.1	%	100	127	90.8	83.0	69.8
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.1	%	95.4	122	86.0	81.4	74.8



Analytical Results

Sub-Matrix: SOIL

Client sample ID

Client sampling date / time

				BH22 0.0-0.15	BH28 0.0-0.15	BH29 0.0-0.15	BH30 0.0-0.15	BH31 0.0-0.15
				27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00
Compound	CAS Number	LOR	Unit	EB1101638-043	EB1101638-045	EB1101638-047	EB1101638-049	EB1101638-051
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1.0	%	20.1	22.1	26.0	27.3	28.7
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	<5	<5	<5	<5	<5
Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1
Chromium	7440-47-3	2	mg/kg	22	21	11	25	15
Copper	7440-50-8	5	mg/kg	28	16	7	18	12
Lead	7439-92-1	5	mg/kg	<5	<5	<5	<5	5
Nickel	7440-02-0	2	mg/kg	25	18	10	21	10
Zinc	7440-66-6	5	mg/kg	101	77	42	82	52
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	<0.1	0.2	0.1	<0.1	<0.1
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
gamma-BHC	58-89-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
delta-BHC	319-86-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor	76-44-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Aldrin	309-00-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Dieldrin	60-57-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDE	72-55-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Endrin	72-20-8	0.05	mg/kg	0.09	<0.05	<0.05	<0.05	<0.05
beta-Endosulfan	33213-65-9	0.05	mg/kg	0.28	<0.05	<0.05	<0.05	<0.05
4,4'-DDD	72-54-8	0.05	mg/kg	0.07	<0.05	<0.05	<0.05	<0.05
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan sulfate	1031-07-8	0.05	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDT	50-29-3	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-73-7	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2



Analytical Results

Sub-Matrix: SOIL

Client sample ID

Client sampling date / time

				BH22 0.0-0.15	BH28 0.0-0.15	BH29 0.0-0.15	BH30 0.0-0.15	BH31 0.0-0.15
				27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00	27-JAN-2011 15:00
Compound	CAS Number	LOR	Unit	EB1101638-043	EB1101638-045	EB1101638-047	EB1101638-049	EB1101638-051
EP068B: Organophosphorus Pesticides (OP) - Continued								
Dimethoate	60-51-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Diazinon	333-41-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	121-75-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Fenthion	55-38-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Parathion	56-38-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorfenvinphos	470-90-6	0.05	mg/kg	0.08	<0.05	<0.05	<0.05	<0.05
Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Prothiofos	34643-46-4	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Ethion	563-12-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Carbophenothion	786-19-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.1	%	66.7	105	74.8	93.8	84.1
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.1	%	78.7	116	78.8	95.5	93.0



Analytical Results

Sub-Matrix: **SOIL**

Client sample ID

Client sampling date / time

				BH32	QC1	---	---	---
				0.0-0.15				
				27-JAN-2011 15:00	27-JAN-2011 15:00	---	---	---
Compound	CAS Number	LOR	Unit	EB1101638-053	EB1101638-055	---	---	---
EA055: Moisture Content								
^ Moisture Content (dried @ 103°C)	----	1.0	%	30.4	23.6	---	---	---
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	<5	<5	---	---	---
Cadmium	7440-43-9	1	mg/kg	<1	<1	---	---	---
Chromium	7440-47-3	2	mg/kg	18	21	---	---	---
Copper	7440-50-8	5	mg/kg	15	16	---	---	---
Lead	7439-92-1	5	mg/kg	10	<5	---	---	---
Nickel	7440-02-0	2	mg/kg	16	16	---	---	---
Zinc	7440-66-6	5	mg/kg	89	55	---	---	---
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	0.1	<0.1	---	---	---
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	<0.05	<0.05	---	---	---
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	<0.05	---	---	---
beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	---	---	---
gamma-BHC	58-89-9	0.05	mg/kg	<0.05	<0.05	---	---	---
delta-BHC	319-86-8	0.05	mg/kg	<0.05	<0.05	---	---	---
Heptachlor	76-44-8	0.05	mg/kg	<0.05	<0.05	---	---	---
Aldrin	309-00-2	0.05	mg/kg	<0.05	<0.05	---	---	---
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	<0.05	---	---	---
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	<0.05	---	---	---
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	<0.05	---	---	---
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	<0.05	---	---	---
Dieldrin	60-57-1	0.05	mg/kg	<0.05	<0.05	---	---	---
4,4'-DDE	72-55-9	0.05	mg/kg	<0.05	<0.05	---	---	---
Endrin	72-20-8	0.05	mg/kg	<0.05	<0.05	---	---	---
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	<0.05	---	---	---
4,4'-DDD	72-54-8	0.05	mg/kg	<0.05	<0.05	---	---	---
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	<0.05	---	---	---
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	<0.05	---	---	---
4,4'-DDT	50-29-3	0.2	mg/kg	<0.2	<0.2	---	---	---
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	<0.05	---	---	---
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	<0.2	---	---	---
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-73-7	0.05	mg/kg	<0.05	<0.05	---	---	---
Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	<0.05	---	---	---
Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	<0.2	---	---	---



Analytical Results

Sub-Matrix: SOIL

Client sample ID

Client sampling date / time

				BH32	QC1	----	----	----
				0.0-0.15				
				27-JAN-2011 15:00	27-JAN-2011 15:00	----	----	----
Compound	CAS Number	LOR	Unit	EB1101638-053	EB1101638-055	----	----	----
EP068B: Organophosphorus Pesticides (OP) - Continued								
Dimethoate	60-51-5	0.05	mg/kg	<0.05	<0.05	----	----	----
Diazinon	333-41-5	0.05	mg/kg	<0.05	<0.05	----	----	----
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	<0.05	----	----	----
Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	<0.2	----	----	----
Malathion	121-75-5	0.05	mg/kg	<0.05	<0.05	----	----	----
Fenthion	55-38-9	0.05	mg/kg	<0.05	<0.05	----	----	----
Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	<0.05	----	----	----
Parathion	56-38-2	0.2	mg/kg	<0.2	<0.2	----	----	----
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	<0.05	----	----	----
Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	<0.05	----	----	----
Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	<0.05	----	----	----
Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	<0.05	----	----	----
Prothiofos	34643-46-4	0.05	mg/kg	<0.05	<0.05	----	----	----
Ethion	563-12-2	0.05	mg/kg	<0.05	<0.05	----	----	----
Carbophenothion	786-19-6	0.05	mg/kg	<0.05	<0.05	----	----	----
Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	<0.05	----	----	----
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.1	%	68.4	74.4	----	----	----
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.1	%	72.6	78.9	----	----	----



Analytical Results

Sub-Matrix: **WATER**

Client sample ID

Client sampling date / time

				Rinsate 1	Trip Blank 1			
				27-JAN-2011 15:00	27-JAN-2011 15:00	----	----	----
Compound	CAS Number	LOR	Unit	EB1101638-056	EB1101638-057	----	----	----
EG020T: Total Metals by ICP-MS								
Arsenic	7440-38-2	0.001	mg/L	<0.001	----	----	----	----
Cadmium	7440-43-9	0.0001	mg/L	<0.0001	----	----	----	----
Chromium	7440-47-3	0.001	mg/L	<0.001	----	----	----	----
Copper	7440-50-8	0.001	mg/L	<0.001	----	----	----	----
Nickel	7440-02-0	0.001	mg/L	<0.001	----	----	----	----
Lead	7439-92-1	0.001	mg/L	<0.001	----	----	----	----
Zinc	7440-66-6	0.005	mg/L	<0.005	----	----	----	----
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.0001	mg/L	<0.0001	----	----	----	----
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	20	µg/L	----	20	----	----	----
EP080: BTEX								
Benzene	71-43-2	1	µg/L	----	<1	----	----	----
Toluene	108-88-3	2	µg/L	----	<2	----	----	----
Ethylbenzene	100-41-4	2	µg/L	----	3	----	----	----
meta- & para-Xylene	108-38-3 106-42-3	2	µg/L	----	2	----	----	----
ortho-Xylene	95-47-6	2	µg/L	----	<2	----	----	----
EP080S: TPH(V)/BTEX Surrogates								
1,2-Dichloroethane-D4	17060-07-0	0.1	%	----	105	----	----	----
Toluene-D8	2037-26-5	0.1	%	----	107	----	----	----
4-Bromofluorobenzene	460-00-4	0.1	%	----	108	----	----	----



Surrogate Control Limits

Sub-Matrix: SOIL		Recovery Limits (%)	
Compound	CAS Number	Low	High
EP068S: Organochlorine Pesticide Surrogate			
Dibromo-DDE	21655-73-2	10	138
EP068T: Organophosphorus Pesticide Surrogate			
DEF	78-48-8	22.8	134.5
EP075(SIM)S: Phenolic Compound Surrogates			
Phenol-d6	13127-88-3	34.8	154.5
2-Chlorophenol-D4	93951-73-6	41.9	152.8
2,4,6-Tribromophenol	118-79-6	26.0	156.8
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	33.8	156.5
Anthracene-d10	1719-06-8	36.9	153.1
4-Terphenyl-d14	1718-51-0	41.8	172.2
EP080S: TPH(V)/BTEX Surrogates			
1,2-Dichloroethane-D4	17060-07-0	52.7	133.7
Toluene-D8	2037-26-5	60.3	131.1
4-Bromofluorobenzene	460-00-4	59.2	126.6

Sub-Matrix: WATER		Recovery Limits (%)	
Compound	CAS Number	Low	High
EP080S: TPH(V)/BTEX Surrogates			
1,2-Dichloroethane-D4	17060-07-0	66.1	137.9
Toluene-D8	2037-26-5	79.2	119.6
4-Bromofluorobenzene	460-00-4	74.2	118.0



Environmental Division

QUALITY CONTROL REPORT

Work Order	: EB1101638	Page	: 1 of 17
Client	: GILBERT & SUTHERLAND PTY LTD	Laboratory	: Environmental Division Brisbane
Contact	: MR JACK WORCESTER	Contact	: Milan Pavasovic
Address	: P O BOX 4115 ROBINA QLD, AUSTRALIA 4230	Address	: 32 Shand Street Stafford QLD Australia 4053
E-mail	: worcester.jw@access.gs	E-mail	: milan.pavasovic@alsglobal.com
Telephone	: +61 07 55789944	Telephone	: +61 7 3243 7129
Facsimile	: +61 07 55789945	Facsimile	: +61 7 3243 7218
Project	: 10468	QC Level	: NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Site	: KINGS FOREST	Date Samples Received	: 31-JAN-2011
C-O-C number	: ----	Issue Date	: 10-FEB-2011
Sampler	: Jack Worcester	No. of samples received	: 55
Order number	: ----	No. of samples analysed	: 34
Quote number	: BN/220/10		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits



NATA Accredited Laboratory 825

This document is issued in accordance with NATA accreditation requirements.

Accredited for compliance with ISO/IEC 17025.

Signatories

This document has been electronically signed by the authorized signatories indicated below. Electronic signing has been carried out in compliance with procedures specified in 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Accreditation Category</i>
Kim McCabe	Senior Inorganic Chemist	Inorganics
Matt Frost	Senior Organic Chemist	Inorganics
Matt Frost	Senior Organic Chemist	Organics

Environmental Division Brisbane

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General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key :
Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
= Indicates failed QC



Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR:- No Limit; Result between 10 and 20 times LOR:- 0% - 50%; Result > 20 times LOR:- 0% - 20%.

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
EA055: Moisture Content (QC Lot: 1654326)									
EB1101638-004	BH2 0.2-0.3	EA055-103: Moisture Content (dried @ 103°C)	----	1.0	%	21.5	21.5	0.0	0% - 20%
EB1101638-011	BH6 0.0-0.15	EA055-103: Moisture Content (dried @ 103°C)	----	1.0	%	28.7	28.6	0.0	0% - 20%
EA055: Moisture Content (QC Lot: 1654327)									
EB1101638-037	BH19 0.0-0.15	EA055-103: Moisture Content (dried @ 103°C)	----	1.0	%	20.4	20.4	0.0	0% - 20%
EB1101638-051	BH31 0.0-0.15	EA055-103: Moisture Content (dried @ 103°C)	----	1.0	%	28.7	29.0	0.9	0% - 20%
EG005T: Total Metals by ICP-AES (QC Lot: 1657116)									
EB1101445-001	Anonymous	EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	2	2	0.0	No Limit
		EG005T: Nickel	7440-02-0	2	mg/kg	6	9	36.9	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	<5	<5	0.0	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	24	29	18.6	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	16	20	23.5	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	44	43	0.0	No Limit
EB1101638-004	BH2 0.2-0.3	EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	11	15	35.5	No Limit
		EG005T: Nickel	7440-02-0	2	mg/kg	7	10	29.7	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	<5	<5	0.0	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	<5	6	19.1	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	<5	<5	0.0	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	41	51	22.2	0% - 50%
EG005T: Total Metals by ICP-AES (QC Lot: 1657119)									
EB1101638-015	BH8 0.0-0.15	EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	15	16	7.0	No Limit
		EG005T: Nickel	7440-02-0	2	mg/kg	12	11	0.0	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	<5	<5	0.0	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	10	12	15.2	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	8	7	0.0	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	83	86	3.7	0% - 50%
		EB1101638-053	BH32 0.0-0.15	EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1
		EG005T: Chromium	7440-47-3	2	mg/kg	18	18	0.0	No Limit
		EG005T: Nickel	7440-02-0	2	mg/kg	16	17	0.0	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	<5	<5	0.0	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	15	14	0.0	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	10	10	0.0	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	89	89	0.0	0% - 50%



Sub-Matrix: SOIL

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
EG035T: Total Recoverable Mercury by FIMS (QC Lot: 1657117)									
EB1101445-001	Anonymous	EG035T: Mercury	7439-97-6	0.1	mg/kg	0.2	0.2	0.0	No Limit
EB1101638-004	BH2 0.2-0.3	EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
EG035T: Total Recoverable Mercury by FIMS (QC Lot: 1657120)									
EB1101638-015	BH8 0.0-0.15	EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
EB1101638-053	BH32 0.0-0.15	EG035T: Mercury	7439-97-6	0.1	mg/kg	0.1	0.1	0.0	No Limit
EP068A: Organochlorine Pesticides (OC) (QC Lot: 1654319)									
EB1101638-001	BH1 0.0-0.15	EP068: alpha-BHC	319-84-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: gamma-BHC	58-89-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: delta-BHC	319-86-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Heptachlor	76-44-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Aldrin	309-00-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Dieldrin	60-57-1	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: 4,4'-DDE	72-55-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endrin	72-20-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: 4,4'-DDD	72-54-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: 4,4'-DDT	50-29-3	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
EP068: Methoxychlor	72-43-5	0.2	mg/kg	<0.2	<0.2	0.0	No Limit		
EB1101638-027	BH14 0.0-0.15	EP068: alpha-BHC	319-84-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: gamma-BHC	58-89-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: delta-BHC	319-86-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Heptachlor	76-44-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Aldrin	309-00-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Dieldrin	60-57-1	0.05	mg/kg	<0.05	<0.05	0.0	No Limit



Sub-Matrix: SOIL				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
EP068A: Organochlorine Pesticides (OC) (QC Lot: 1654319) - continued									
EB1101638-027	BH14 0.0-0.15	EP068: 4.4'-DDE	72-55-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endrin	72-20-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: 4.4'-DDD	72-54-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: 4.4'-DDT	50-29-3	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP068: Methoxychlor	72-43-5	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
EP068A: Organochlorine Pesticides (OC) (QC Lot: 1654321)									
EB1101638-049	BH30 0.0-0.15	EP068: alpha-BHC	319-84-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: gamma-BHC	58-89-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: delta-BHC	319-86-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Heptachlor	76-44-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Aldrin	309-00-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Dieldrin	60-57-1	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: 4.4'-DDE	72-55-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endrin	72-20-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: 4.4'-DDD	72-54-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: 4.4'-DDT	50-29-3	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP068: Methoxychlor	72-43-5	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
EP068B: Organophosphorus Pesticides (OP) (QC Lot: 1654319)									
EB1101638-001	BH1 0.0-0.15	EP068: Dichlorvos	62-73-7	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Dimethoate	60-51-5	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Diazinon	333-41-5	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Malathion	121-75-5	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Fenthion	55-38-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit